

Division of Environment  
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Lee A. Norman, M.D., Secretary

Laura Kelly, Governor

February 13, 2020

Mr. Alan Hynek  
Chief Conservation Branch  
Directorate of Public Works  
Environmental Division  
407 Pershing Court  
Ft. Riley, Kansas 66442

RE: **Scour Evaluation Scope for the Southwest Funston Landfill (OU-001)**  
*Fort Riley, Kansas*

Dear Mr. Hynek,

The Kansas Department of Health and Environment/Bureau of Environmental Remediation (KDHE/BER) has received the above-referenced correspondence on February 6, 2020.

KDHE/BER considers the proposed scour evaluation thorough and concurs with the plan of action. Furthermore, the process, if effective could prove to be useful at many other poorly placed historical military landfills, including the Former Camp Forsyth Landfill at Fort Riley.

If you have any questions, please call me at (785) 296-1936 or email at [marc.radloff@ks.gov](mailto:marc.radloff@ks.gov).

Sincerely,

A handwritten signature in blue ink that reads "Marc Radloff".

Marc Radloff  
Geology Specialist  
Remedial Section/Federal Facilities Unit

C: Randy Carlson —> Margaret Townsend —> OU-001 (C5-031-71145 -1)  
Daniel O'Connor, EPA, Region 7, electronic  
Amanda Chirpich, USACE, KC District, electronic  
David Jones, Fort Riley, electronic  
Michael Bowlby, IMCOM, electronic ([michael.a.bowlby.civ@mail.mil](mailto:michael.a.bowlby.civ@mail.mil))  
Walter Mack, KDHE/BWM, electronic

## Marc Radloff [KDHE]

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**From:** Jones, David P CIV USARMY (USA) <david.p.jones124.civ@mail.mil>  
**Sent:** Thursday, February 6, 2020 7:28 AM  
**To:** O'Connor, Daniel; Marc Radloff [KDHE]  
**Cc:** Chirpich, Amanda E CIV USARMY CENWK (US); Bowlby, Michael A CIV USARMY IMCOM (USA); Hynek, Alan E CIV USARMY IMCOM CENTRAL (USA)  
**Subject:** Scour Evaluation Scope  
**Signed By:** david.p.jones124.civ@mail.mil

Danny and Marc,

Good morning, the Army has framed a preliminary, general scope to the scour evaluation at Southwest Funston Landfill (OU-001). Amanda and her tech team, as well as the KCD-COE River Engineering Section, have provided criteria that we would like to propose for your concurrence:

- Assess the integrity of the embankment of the landfill along the Kansas River
- Evaluate historical river channel locations to determine the rate of migration towards to landfill.
- Perform a GIS-based survey of the landfill cap boundary and river bank
- Perform an evaluation of rip-rap efficacy. Assess the size, rock quality, condition, and thickness of the existing riprap revetment, and provide recommended improvements to channel bank protection measures.
- Develop a hydraulic model in that section of the Kansas River to estimate velocities in the channel adjacent to the landfill.

The evaluation will be placed under the "umbrella" contract being developed by the Army Environmental Command with the contract action in place by 2021. The intent of requesting your concurrence on these preliminary criteria is to ensure that we are in agreement on the basic framework. As the contractual process proceeds, we'll continue our communications with you.

Thank you and have a good day,

Dave

David P. Jones  
Installation Restoration Project Manager  
Environmental Div, Directorate of Public Works  
Sheridan Hall  
Bldg 407 Pershing Court  
Fort Riley, KS 66442  
TEL: 785-239-3194