



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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June 9, 2010

Engineering Field Activity, Midwest
Attn: Mr. Howard Hickey
Building 1A, Code 931
201 Decatur Avenue
Great Lakes, Illinois 60088-5600

Re: Additional Navy Responses to Comments
on the Remedial Investigation and Risk
Assessment Report for Site 19 – Small Arms
Range 910, Naval Station Great Lakes,
Great Lakes, Illinois

0971255048 – Lake
Great Lakes Naval Station
Superfund/Technical

Dear Mr. Hickey:

The Illinois Environmental Protection Agency (Illinois EPA or Agency) is in receipt of the Navy's additional responses to Agency comments on the Remedial Investigation and Risk Assessment Report for Site 19 – Small Arms Range 910, Naval Station Great Lakes, Great Lakes, Illinois. They were dated May 14, 2010 and were received via electronic mail that same day. The Agency has reviewed the Navy's responses and the revised risk calculations and has the following comments.

- 1) **General Comment - Risk and hazard calculations** were duplicated for critical receptors and compounds. The results agreed with those reported and are acceptable for risk management purposes.
- 2) **Response to Comment No. 7 - Revised screening levels** based on the generic USEPA Supplemental SSL guidance for migration from soil to air for residential and industrial receptors were checked and are acceptable.

The calculated criteria for the construction worker, however, could not be confirmed. We employed the input parameters presented in the "Response to Comment Number 7" table and equation 5-3 from the USEPA Supplemental SSL guidance when attempting to regenerate these objectives. The discrepancies include; 57.8 v. 5.3 mg/kg for arsenic, 20.7 v. 3.0 mg/kg for chromium, and 955 v. 32 mg/kg for nickel. Please double-check the calculations to ensure they are correct.

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Additional Navy responses to comments.
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- 3) **Response to Comment No. 8** – The response is acceptable.
- 4) **Response to Comment No. 13** - The PEF inputs and calculation are acceptable. Tables 6-6 and 6-7 should be revised to reflect this value. Additionally, please provide assurance that the site-specific PEF was used in the risk and hazard calculations for this receptor.
- 5) **Response to Comment Nos. 15 and 19** - These responses are acceptable.

If you have any questions regarding anything in this letter or require any additional information, please contact me at (217) 557-8155 or by electronic mail at brian.conrath@illinois.gov.

In accordance with Public Act 96-0603, which went into effect on August 24, 2009, any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Sincerely,

Brian A. Conrath

Brian A. Conrath
Remedial Project Manager
Federal Facilities Unit
Federal Site Remediation Section
Bureau of Land

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cc: Bob Davis, Tetra Tech NUS, Inc.

Owen Thompson, USEPA (SR-6J)