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## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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RENEE CIPRIANO, DIRECTOR

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March 11, 2002

Department of the Navy  
SOUTHNAVFACENGCOM  
c/o Anthony Robinson  
Mail Code 18511  
2155 Eagle Drive  
Post Office Box 190010  
North Charleston, South Carolina 29419-9010

Re: NTC Great Lakes Site 07 (Silk Screen Shop)  
Groundwater Classification

0971255048 – Lake County  
Naval Training Center Great Lakes  
Superfund/Technical Reports

Dear Mr. Robinson:

As was mentioned in Illinois Environmental Protection Agency's (Illinois EPA's) e-mail on March 4, 2002, after reviewing the available data for the Site 07 (Silk Screen Shop) monitoring wells, which includes the boring logs, slug test data, and site history, Illinois EPA has concluded that the groundwater at site 07 should be classified as Class I. The reasons for this conclusion are as follows:

- 1) The depth to the groundwater in all wells tested was equal to or greater than 10 ft. bgs.
- 2) Three (3) of the six (6) wells (50%) at Site 07 returned hydraulic conductivity values above  $1E-4$ .
- 3) The arithmetic mean of the hydraulic conductivities from all wells tested is above  $1E-4$ .
- 4) The three wells with values less than  $1E-4$  are south of a line that could be drawn splitting those wells from the ones with hydraulic conductivities greater than  $1E-4$ . In other words, the three wells on the southern side of the site could be screened in a different formation than those on the northern side, are hydraulically disconnected from those on the northern side, or there is still the possibility that the southern wells were not developed properly, yielding lower than actual hydraulic conductivities.

GEORGE H. RYAN, GOVERNOR

Site 7 groundwater classification letter  
March 11, 2002  
Page 2

- 5) Judging from the boring logs, there is no evidence that the soil to depth in the area of monitoring wells 01, 06, and 07 has been previously disturbed, thus creating a sand stringer or area of greater hydraulic conductivity. This possibility had been previously discussed with Bob Davis of Tetra Tech, NUS.

If the Navy has any additional information to submit regarding these monitoring wells and/or the groundwater at this site, Illinois EPA would be glad to review it. However, without additional information, the conclusion that groundwater at Site 07 is Class I shall stand.

If you have any questions regarding this correspondence, you may contact me at 217/557-8155.

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