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Brown & Root Environmental

C-49-01-7-077

January 10, 1997

TO: DISTRIBUTION

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0003

Subject: Naval Industrial Reserve Ordnance Plant, Fridley, Minnesota
OU3 RI/FS
January 9, 1997 Telephone Conference Call Summary

As directed by the Navy, per reference contract, attached are minutes from the January 9, 1997 telephone conference call to discuss the development of soil cleanup numbers which are based on the protection of groundwater.

Please contact me at (412) 921-7217 if you have any questions or comments.

Very truly yours,

Mark T. Perry, P.E.
Task Order Manager

MTP/dt

Enclosure

Distribution
Scott Glass, SOUTHNAVFACENCOM
Tom Bloom, U.S.EPA
Dave Dougias, MPCA

TELEPHONE CONFERENCE CALL SUMMARY

Naval Industrial Reserve Ordnance Plant (NIROP) Fridley
Operable Unit 3 (OU3)
Remedial Investigation/Feasibility Study (RI/FS)

Discussion Topic

- Development of soil cleanup numbers which are based on the protection of groundwater.

Date

January 9, 1997

Participants

Scott Glass	Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM)
Dave Douglas	Minnesota Pollution Control Agency (MPCA)
John Betcher	MPCA
Mark Ferrey	MPCA
Rick Jolley	MPCA
Lifeng Guo	MPCA
Mark Perry	Brown & Root Environmental (B&R Environmental)
J.D. Chiou	B&R Environmental

Agenda

1. Selection of the representative hydraulic conductivity and groundwater gradient.
2. Calculation of groundwater mixing depth.
3. Partitioning between dissolved and solid phases in the saturated zone.
4. Necessary justifications for constituent-specific decay half life.
5. Calculation of cleanup numbers for other OU2 COCs.
6. Calculation of cleanup numbers for soils beneath the building.

Discussion Outcomes

1. The MPCA will review groundwater flow rates cited in the Feasibility Study Addendum Report for the Remedial Investigation/Feasibility Study dated August 1988 by RMT, Inc. and the Evaluation of Groundwater Containment System Effectiveness dated July 1996 by RMT, Inc. to determine if the use of a higher flow rate is warranted.
2. The groundwater mixing depth will be 12.5 feet.
3. The MPCA will use the Analytical Transient, One-, Two-, and Three-Dimensional Model (AT123D) to incorporate partitioning between dissolved and solid phases in the saturated zone.
4. The MPCA requires microcosm studies to justify the incorporation of decay rates.

5. The calculation of cleanup numbers for OU2 contaminants of concern (COCs) other than PCE, TCE, DCE and TCA is not necessary.
6. The calculation of cleanup numbers for soils beneath the main industrial plant building will be deferred until soil data from that area is obtained.