



# Brown & Root Environmental

N91192.AR.000307  
NIROP FRIDLEY  
5090.3a

File 6966-3.2-344  
File 3.2

0014

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C-49-11-6-048

November 12, 1996

Mr. David Douglas  
Minnesota Pollution Control Agency  
Ground Water and Solid Waste Division  
520 Lafayette Road  
St. Paul, Minnesota 55155-4194

REC'D NOV 15 1996

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

Subject: Naval Industrial Reserve Ordnance Plant, Fridley, Minnesota  
OU3 Remedial Investigation  
Health Based Values

Dear Mr. Douglas:

Attached is a table that provides a comparison of MPCA Health Risk Limits (HRLs) and U.S. EPA Maximum Contaminant Levels (MCLs) for the Chemicals of Potential Concern (COPCs) for the NIROP Fridley OU3 investigation. As you will notice, neither HRLs nor MCLs are currently available for 1,1-dichloroethane, bis(2-ethylhexyl)phthalate, or zinc. Therefore, as discussed during the meeting of October 22, 1996, Brown & Root Environmental is requesting that the MPCA provide Health Based Values (HBVs) for these three analytes. This letter has been reviewed by the Navy and approved for issue.

Thank you for your assistance. 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

c: Scott Glass, SOUTH DIV  
Tom Bloom, USEPA - Region 1  
File 6966

**COMPARISON OF GROUNDWATER CRITERIA FOR COPCs  
NIROP FRIDLEY**

Chemical of Potential Concern (COPC)	HRL <sup>(1)</sup> (µg/L)	MCL <sup>(2)</sup> (µg/L)	HBV <sup>(3)</sup> (µg/L)
Ethylbenzene	700	700	--
Toluene	1000	1000	--
Trichloroethene	NA <sup>(4)</sup>	5	--
Tetrachloroethene	NA	5	--
1,1-Dichloroethene	6	7	--
cis-1,2-Dichloroethene	NA	70	--
trans-1,2-Dichloroethene	100	100	--
1,1,1-Trichloroethane	NA	200	--
1,1-Dichloroethane	NA	NA	
Bis(2-ethylhexyl)phthalate	NA	NA	
Benzo(a)pyrene	NA	2	--
Barium	2000	2000	--
Chromium	100 (Cr <sup>+6</sup> )	100	--
Lead	NA	15 (action level)	--
Zinc	NA	NA	

1 HRL Minnesota Pollution Control Agency (MPCA) Health Risk Limit.

2 MCL U.S. EPA Maximum Contaminant Level.

3 HBV MPCA Health Based Value.

4 NA Not Available.