



Minnesota Pollution Control Agency

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

May 19, 2005

Mr. Douglas Hildre, P.E.
Environmental Control Manager
United Defense LP
Armament Systems Division
4800 East River Road
Minneapolis, MN 55421-1498

RE: Temporary Well Installations, United Defense LP E-Mail Message, Dated February 11, 2005
to MPCA Staff, Corrective Action Agreement

Dear Mr. Hildre:

The Minnesota Pollution Control Agency (MPCA) staff has reviewed the above-captioned "Temporary Well Installations" report that was submitted pursuant to the Corrective Action Agreement ("CCA") between the MPCA and United Defense, L.P. ("UDLP"), dated March 24, 2003.

The MPCA staff hereby modifies the "Temporary Well Installations" report pursuant to Attachment I to this letter. Upon UDLP's completion of the modifications to the "Temporary Well Installations" report cited in Attachment I, the MPCA staff requests that UDLP complete a Final Investigation Report that includes all of the related investigation work that UDLP has reported to the MPCA in separate reports for MPCA staff review and approval. After MPCA staff approval of the Final Investigation Report that includes modifications as described in Attachment I, UDLP shall proceed with a Corrective Measures Study Work Plan under the "Corrective Measures" portion of the CCA. UDLP may schedule the installation of the monitoring well cited in Attachment I for the period of preparation of the Corrective Measures Study Work Plan.

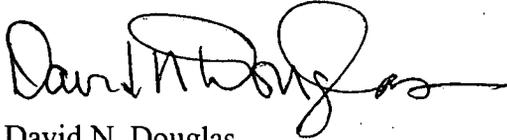
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If you have any questions regarding this letter, please contact me at (651) 296-7818.

Sincerely,



David N. Douglas
Project Manager
Superfund Unit 2
Superfund and Emergency Response Section
Remediation Division

DND:csa

Enclosure

cc: Thomas Smith, U.S. Environmental Protection Agency (w/attachment)
Dan Owens, US Navy (w/attachment)
David Brayak, Tetra Tech NUS, Inc. (w/attachment)

Attachment I

MPCA Staff Response to the Report Entitled, "Temporary Well Installations," United Defense LP E-Mail Message, Dated February 11, 2005 to MPCA Staff, Corrective Action Agreement

- 1.) **Scope of the Final Investigation Report:** The MPCA staff requests that UDLP complete a Final Investigation Report that compiles all of the data collected in the various work efforts and an updated interpretation of data interpretation, conclusions, and recommendations. All figures and cross sections shall be updated to include the most updated information. The Final Investigative Report shall include the natural attenuation data and analysis and the geochemical data, i.e., all data collected.
- 2.) **Figure 3-3:** In the Final Investigation Report, Figure 3.3 (or its equivalent) shall include the TCE data from monitoring well MW-UD58-I (20 micrograms per liter (ug/l)).
- 3.) **Figure 3-3:** In the Final Investigation Report, Figure 3.3 (or its equivalent) shall include iso-concentration contours for 10, 20 and 5 ug/l trichloroethylene (TCE). These additional contours shall be included on figures that show the distribution of other contaminants of concern (COCs).
- 4.) **Figure 3.3:** Figure 3.3 (and Figure 2.2 and 3.5) do not show the facies relationships that exist between medium sand, fine-medium sand with silt, and fine sand with clay/silt. It appears that the variation in lithology has a strong influence on the contaminant distribution of the Former Paint Shop plume. The MPCA staff has made this comment in previous report reviews, but the draft figures included in "Temporary Well Installations" report do not include facies boundaries in some areas. In the Final Investigation Report, the figures (cross sections) shall be modified to include boundaries between facies changes. The Final Investigation Report shall include color or shaded cross sections that differentiate between fine and medium sand and gravelly sand (more permeable materials) and finer grained silty clay; clayey silt; silt; till/sand; clay with silt and sand; clay with silt and gravel; fine-medium sand with silt; and fine to medium sand with clay (less permeable materials). The MPCA staff requests that UDLP send the draft figures to the MPCA staff so that agreement on facies relationships can be reached before the Final Investigation Report is issued by UDLP.
- 5.) **Monitoring Well:** The MPCA staff requests that one permanent monitoring well be installed at the TW-14D location. The well shall be screened using a 10-foot screen located just above the top of the clayey sand (till). The monitoring well shall be used to monitor the progress of the remedy selected for the Former Paint Shop plume.