

Harding Lawson Associates

January 28, 2000



Mr. Don Gonyea
Connecticut Department of Environmental Protection
79 Elm Street
Hartford, CT 06106

**RE: Documentation of Water Spill
Temporary Discharge Permit Authorization TA0500050
Stratford Army Engine Plant
Stratford, Connecticut**

Dear Mr. Gonyea:

Harding Lawson Associates, conducting pilot tests on behalf of the US Army Tank-Automotive and Armaments Command (TACOM) is reporting the accidental discharge of a small volume of water containing some hexavalent chromium. The discharge occurred as a result of a valve leak on one of the frac tanks used to store water prior to discharge to the on-site chemical waste treatment plant. As such this frac tank contained water that had been extracted from the TCE areas extraction well (EW-02) which had been processed through activated carbon. Analysis of samples collected from the frac tank indicated no VOCs above the detection limit (i.e., less than 100 µg/L) and a hexavalent chromium concentration of 0.1 mg/L.

The water was observed to be dripping from the valve at approximately 2:15 am of January 26, 2000. The leak was stopped by 2:30 am. It is unknown exactly how long the leak was occurring; however, based on the height of the valve in the tank, and the amount of water added to the tank, we believe the leak may have occurred for up to 7 hours. In the area of the tank surface water drains to a facility storm drain. Based on field observations after discovery of the leak we believe the volume released to be small.

The threaded plug was inserted on the valve to stop the leak. After the tank is emptied, the valve will be inspected and repaired, if possible. We will continue to use the threaded plug on this valve to prevent future leaks. We will also implement more frequent tank inspection to identify any future leaks more rapidly.

Please feel free to call me at 207-775-5401 should you have any questions.

Sincerely

HARDING LAWSON ASSOCIATES

A handwritten signature in black ink that reads "Nelson Walter".

Nelson Walter, P.E.
Project Manager

Cc: J. Burleson, SAEP
K. Feathers, CTDEP
M. Cassidy, USEPA
J. Frye, USACE
M. Brock, USACE
J. Borkland, FWENC