

Minnesota Pollution Control Agency

January 10, 1995

Mr. David Cabiness, Code 1862
Commanding Officer
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Naval Industrial Reserve Ordnance Plant Site

Dear Mr. Cabiness:

The Minnesota Pollution Control Agency (MPCA) staff has reviewed the U. S. Geologic Survey letter dated December 14, 1994, regarding the 1983 geophysical survey performed on the "North 40," at the Naval Industrial Reserve Ordnance Plant.

The MPCA staff agrees with Mr. Horton's view that the 1983 geophysical survey was inadequately designed to locate small targets (e.g., single steel drums). It is our view that it is appropriate to conduct an additional survey that would detect single subsurface steel drums. Inconsistencies in the original survey provides evidence for the need of an additional, more detailed survey. The MPCA staff requests the Navy to conduct an additional geophysical survey.

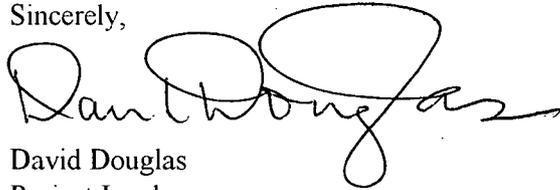
The most significant evidence is the inconsistency between anomalies from the original survey. During the excavation of nine of the twenty original anomalies, two barrels were found at anomaly 17. This site received a low probability as a waste site. In contrast, anomaly 13 was only rated as potential for containing buried waste. However, while investigating soils in this area as part of the Operable Unit 2 Remedial Investigation in June 1992, 31 barrels were discovered. This major inconsistency is the main reason for conducting a detailed survey.

After consulting with Mr. Petersen, of the Minnesota Department of Natural Resources, we recommended that the survey be conducted after the snow has melted from the site. Mr. Petersen feels that a better correlation can be achieved, at the time of the survey, between any possible surface interference and subsurface anomalies for the geophysical technique used.

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If you have any questions regarding this letter, please call me at (612) 296-7818.

Sincerely,

A handwritten signature in black ink that reads "David Douglas". The signature is written in a cursive style with a large, looping "D" at the beginning and a long, sweeping tail.

David Douglas
Project Leader
Site Response Section
Ground Water and Solid Waste Division

DD/PT:ch

cc: Thomas Bloom, U. S. Environmental Protection Agency, Region V