

March 2, 1993

Laura Scalise
U.S. Environmental Protection Agency
Region II
2890 Woodbridge Avenue
Building 209, MS 215
Edison, New Jersey 00837-3679

Re: Addendum to Revised Draft Technical Memorandum II, Results of the Field Investigation, Tutu Service Station Investigation, St. Thomas, U.S. Virgin Islands.

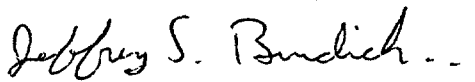
Dear Ms. Scalise:

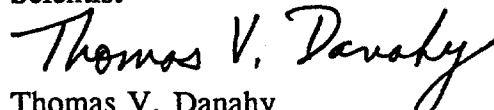
Geraghty & Miller requests that you please substitute the enclosed page 5-8 of Technical Memorandum II for the original. An error was located in the second paragraph, second sentence, reading "No benzene, toluene, ethylene, xylene (BTEX) compounds were detected...." This sentence should read, "No benzene, toluene, ethylbenzene, and xylene (BTEX) compounds were detected...." This revision was corrected in all other copies prior to shipment.

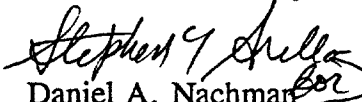
Thank you for your time.

Sincerely,

GERAGHTY & MILLER, INC.


Jeffrey S. Burdick
Scientist


Thomas V. Danahy
Senior Scientist/Project Manager


Daniel A. Nachman
Vice President/Project Officer

Attachment

c: Ana Gloria Ramos, TEIC

PR01301-WP3/030293.LTR/df

TUT 006 1665

well samples collected from September 14 through 17, 1992 (Geraghty & Miller, Inc. 1992c) are presented on Figure 5-4.

The distribution of petroleum compounds in the monitoring and water supply wells in the Tutu study area indicates a localized presence of these compounds in the shallow ground water in the immediate vicinity of the Texaco and Esso service stations. These compounds are present near the Texaco Service Station and southward to Monitoring Well MW-5, the Tillett Supply Well, and Monitoring Well MW-7. BTEX compounds detected in ground-water samples collected from Monitoring Well MW-5 included benzene (1,000 ppb), toluene (180 ppb), ethylbenzene (930 ppb), and xylenes (1,600 ppb). The Tillett Supply Well sample, collected in September 1992, contained 7 ppb of benzene (Geraghty & Miller, Inc. 1992c).

The petroleum compounds in ground water near the Esso Service Station (at Monitoring Wells MW-9 and MW-9S) are present from west of the Esso property southward to Monitoring Wells MW-10D and MW-12D. ~~No benzene, toluene, ethylbenzene, and xylene (BTEX)~~ compounds were detected in Monitoring Wells MW-10 and MW-10D which are located immediately downgradient of the Esso Service Station. The BTEX compounds located near the Esso Service Station appear to be contained west of the station (near Monitoring Wells MW-9 and 9S).

Concentrations of benzene above the USEPA maximum contaminant levels (MCLs) were observed in Monitoring Well MW-5, which is south of the Texaco Service Station (1,000 ppb), and in Monitoring Wells MW-9 (26 ppb) and MW-9S (16 ppb), which are located west of the Esso Service Station. The MCL for benzene in drinking water is 5 ppb. Concentrations of toluene, ethylbenzene, and xylenes, including all estimated values, were found at non-detectable levels or below MCLs in all ground-water samples collected during this investigation, except in Monitoring Well MW-5 where ethylbenzene was reported at 930 ppb, above the MCL of 700 ppb. Little or no petroleum compounds have been detected in any monitoring or supply wells south of the Monitoring Wells MW-10 and MW-12D.