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Date: Monday, November 7, 1994 4:27 pm
Subject: tutu

draft draft draft

Tutu Wells Site - Phase II Draft Remedial Investigation: Air
Programs Branch Review

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The Air Programs Branch has completed its review of the draft
Phase II Remedial Investigation (RI) Report for the Tutu Wells
Site located in St. Thomas, U.S. Virgin Islands.

Site Background:

The site is located in the Tutu area of St. Thomas, in the
east-central part of the island at the Anna's Retreat Section.
The area, which is located in the Turpentine Run drainage basin,
is surrounded by high hills to the east, west and north; and, it
is home to both residences and mixed industry. A number of water
wells were sunk into the area to supply homes and industries.

Groundwater contamination was detected when a strong petroleum
odor, coming from a public water supply well for the area, was
reported. Subsequent investigations conducted by the Virgin
Islands Department of Planning and Natural Resources, EPA and
contractors indicate that chlorinated and petroleum-related
volatile organic compounds (VOCs) had contaminated area soils and
ground-water.

Certain commercial properties have been identified as the source
of the area's contamination, including: the Texaco and Esso
Service Stations. To these sources, an Administrative Order was
issued requiring them to: assess the environmental impact from
their operations and fuel storage facilities; and, to develop a
feasibility study of remediation alternatives.

Comments:

As stated in the draft report, the data gathered in the RI has
not been used to perform an air pathway analysis for the area.
Emission estimates for each of the VOCs identified must be made.
The National Technical Guidance Study (NTGS) document entitled
"Guideline for Predictive Baseline Emissions Estimation