

147508

m-611

---

Formerly Utilized Sites Remedial Action Program (FUSRAP)

---

# ADMINISTRATIVE RECORD

for Maywood, New Jersey

---



U.S. Department of Energy



147508

**Department of Energy**

98-479

Oak Ridge Operations Office  
P.O. Box 2001  
Oak Ridge, Tennessee 37831—8723

October 22, 1996

Ms. Angela Carpenter  
U.S. Environmental Protection Agency  
Region II  
290 Broadway, 18th Floor  
New York, New York 10007-1866

Dear Ms. Carpenter:

**MAYWOOD SITE - GROUNDWATER SAMPLING AND ANALYSIS PLAN**

The attached Sampling and Analysis Plan details the Department of Energy's proposed efforts to characterize the source and extent of contaminants in groundwater at the Maywood Interim Storage Site (MISS) and the Ballod property and to evaluate the likely fate and transport of contaminants. This Sampling and Analysis Plan is a follow-up of the *Maywood Site Groundwater Evaluation (May 1996)*, and takes into account the comments raised by the EPA after review of that document.

The focus of the Sampling and Analysis Plan is to characterize the nature and extent of volatile organic compounds (VOCs) and the metals arsenic and lithium in groundwater at the Maywood site. The characterization activities will be divided into two phases. Phase I activities will either confirm or refute the conceptual model for groundwater hydrology at the site. If the conceptual model is not supported by results from Phase I, then a second phase of sampling will be conducted.

In order to characterize the extent of VOCs and metals in shallow groundwater between the Ballod property and the Saddle River, push probe sampling along three transects is proposed. To characterize the extent of VOCs and metals in bedrock groundwater, between four and seven permanent monitoring well nests (eight to 14 monitoring wells) between MISS and the Saddle River will be installed. This will extend the existing monitoring network to include monitoring of the suspected groundwater plume area. To further characterize the nature and extent of VOCs in soil and groundwater on MISS and the Ballod properties, a soil gas survey will be conducted followed by push probe sampling of soil and groundwater at selected locations. To determine if Westerly Brook contains VOCs and elevated metal concentrations, two water samples will be taken if possible (Westerly Brook is culvertized and may not be accessible).

In order to incorporate the groundwater data into a focused feasibility study, which will be

Angela Carpenter

2

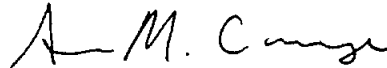
October 22, 1996

initiated this fiscal year, field work has been expedited to begin this fall. The sampling and survey work that we are unable to conduct in the fall will be completed in the spring. The amount of work completed in the fall will depend on several logistical factors such as property access agreements, weather conditions and subcontracts being in place. If we are unable to conduct any of the sampling activities this fall, all of the work will be done in early spring 1997.

Because of the possibility of conducting field sampling this fall, we would appreciate your review of the enclosed Sampling and Analysis Plan with comments back to us no later than November 13, 1996.

If you have any questions, or wish to discuss the proposed groundwater characterization plan, please call me at (423)576-5724.

Sincerely,



Susan M. Cange, Site Manager  
Former Sites Restoration Division

enclosure

cc: Donna Gaffigan, NJDEP