



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

RECEIVED
JAN - 9 2003
BROWN REAVIS & MANNING PLLC

January 2, 2003

Tanya Barnett, Attorney
Brown Reavis & Manning
421 South Capitol Way, Suite 303
Olympia, WA 98501

Dear Ms. Barnett:

Re: Voluntary Cleanup Program, Former Forest Park Cleaners, 17171 Bothell
Way N.E. Lake Forest Park, WA 98155. TCP I.D. #NW0167.

Thank you for submitting your letter of December 27, 2002 and request for Washington State Department of Ecology's (Ecology) review and advice. Ecology appreciates your initiative in pursuing a voluntary cleanup under the Model Toxics Control Act.

Ecology's Toxics Cleanup Program has reviewed the following information regarding the Former Forest Park Cleaners, located at 17171 Bothell Way N.E. Lake Forest Park, WA. 98155:

1. Letter from Tanya Barnett to Nnamdi Madakor of December 27, 2002 and attachments.

Based upon the information listed above, Ecology has determined that, at this time:

1. Air Pathway:

Since you will be conducting only one set of indoor air sampling, it is imperative that we conduct the sampling during an optimum sampling window to ensure that we obtain a meaningful data to evaluate the long-term monitoring and contingency response action needs for the site, if necessary, to protect human health and the environment. In order to accomplish this objective, let us briefly evaluate the dynamics that effect the emissions and transport of vapors.

- A. Optimum sampling conditions with respect to vapor emissions of volatile

organic compounds can be impacted by weather conditions as follows:

- i) Higher temperature increases volatilization of VOCs from soil and groundwater sources
- ii) Lower barometric pressure increases vapor migration.
- iii) Lower moisture content in soil increases the air-filled porosity and diffusion of VOCs and
- iv) Lower wind speed reduces dispersion in ambient air/indoor effects

The first and third items referenced above effect conditions conducive for vapor generation from suspected soil/groundwater sources, while the second and fourth listed items affect conditions conducive for vapor migration and dispersion.

It is important to note that we have officially entered the winter season which denotes lower temperatures (vapor generation is poor), high rain fall (high moisture content in the soil that decreases the air-filled porosity and diffusion of VOCs), high barometric pressures (decreases vapor migration) and winds (increases dispersion of vapors). These conditions suggest that the winter season is not the right time to conduct this vapor emission investigation. Ecology believes that the summer and the fall seasons offer the optimum seasons to conduct this type of investigation.

- B. Sampling Parameters: Since this is a one time sampling event, it is our expectation that the sampling parameters screen for PCE and all its daughter by-products and not just vinyl Chloride.
- C. Sampling Location: Since this is a one time sampling event, it is also our expectation that samples be collected from the two proposed locations at ground level, i.e. at the utility entry points to the building in addition to the 3 to 4 feet above the floor level (typical sitting height) proposed in your sampling outline. The ground level data will provide us with the baseline 'worst case scenario' to evaluate the dispersion at the typical sitting height that you proposed.
- D. Background Sample: An ideal background sample should be collected away from the areas subject to the impact of site related contaminant of concerns. Please collect your background sample away from the site and the building, preferably at a location up gradient from the prevalent wind direction during the summer or fall.

N,
Cost

Tanya Barnett, Attorney
Voluntary Cleanup Program
Former Forest Park Cleaners, TCP ID#NW0167
January 2, 2003
Page 3 of 3

2. Groundwater: I have no further comments.

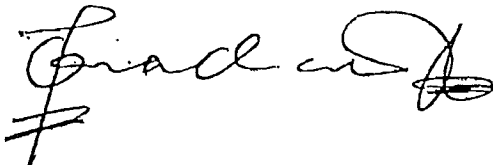
Please note that because your actions were not, or will not be conducted under a consent decree with Ecology, this letter is not a settlement by the state under RCW 70.105D.040 (4) and is not binding on the agency. Further action could be required at your site regardless of how strictly you follow Ecology's advice. The opinions presented by Ecology in this letter are made only with respect to the information provided in the report and document(s) listed above. This opinion is only applicable to the specified site (or area of site) and may not be used to justify action at another site (or area of the site).

Ecology does not assume any liability for any release, threatened release or other conditions at the site, or for any actions taken or omitted by any person or his/her agents or employees with regard to the release, threatened release, or other conditions at the site.

Again, thank you for taking the initiative to voluntarily address the contamination at your site. Your efforts are recognized by Ecology as a positive step in our work to protect human health and the environment in Washington State.

If you have any questions regarding this letter, please contact me at (360) 407-7244.

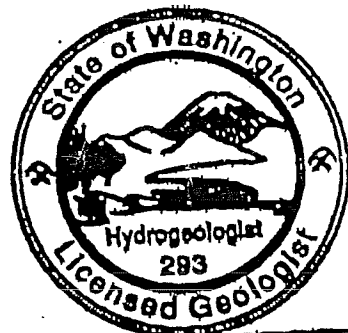
Sincerely,



Nnamdi Madakor, P.G., P.HG
Senior Hydrogeologist
Toxics Cleanup Program, HQ

NM: lt

cc: Joe Hickey, VCP Coordinator, TCP-NWRO



NNAMDI I. MADAKOR