

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

SEP 22 2011

Mr. Christopher Powers
Project Manager
General Services Administration
1500 East Bannister Road
Kansas City, Missouri 64131

Dear Mr. Powers:

Enclosed are three copies of the U.S. Environmental Protection Agency's Phase II Soil and Groundwater Investigation Report conducted around Buildings 50 and 52 for the General Services Administration-Kansas City Site. This investigation was conducted to collect subslab soil samples at select locations under Building 50 and groundwater samples at select locations north of Building 52. Sampling locations were based on results of soil and groundwater sampling from the Phase II investigation completed in December 2010.

The objective of these investigations was to determine the source of the volatile organic compounds contamination around these buildings. The soil sampling results did not indicate the presence of any significant VOC contamination which could be identified as the source for the high levels of VOC detected in the groundwater around these buildings.

The December 2010 sampling event detected high levels of metals contamination in the groundwater samples collected north of Building 52. These groundwater samples were not filtered before analysis; therefore, additional groundwater samples were collected and analyzed for dissolved metals. None of the groundwater samples contained dissolved metals above health-based levels of concern.

The U.S. Environmental Protection Agency has completed all work that was identified in the Interagency Agreement and its amendments. This work included the vapor intrusion investigation in Buildings 50 and 52, the soil and groundwater investigations around these buildings, the EPA's data evaluation and support to GSA for communicating these results.

The EPA's recommendations from our work under the Interagency Agreement and its amendments are as follows:

- Conduct annual indoor air and subslab vapor sampling in Buildings 50 and 52 to evaluate the indoor air quality of these buildings.
- Continue to operate and maintain the subslab depressurizations systems in Buildings 50 and 52.
- Due to the high levels of total Resource Conservation and Recovery Act metals in the groundwater detected during our investigations, the EPA will discuss with the U.S. Department of Energy the need to include total and dissolved RCRA metals in their semi-annual groundwater monitoring for the Bannister Federal Complex.



- Review historical records in an attempt to identify the source of the high metals concentrations found in the area north of Building 52.
- Investigate possible data gaps in the area between Buildings 1 and 50 to ensure that the VOC groundwater plume beneath Building 1 and the VOC groundwater plume around Building 50 are indeed separate plumes.

We want to thank you and your staff for their professional expertise and cooperation shown to me and my staff during our investigation. If you have any questions, please contact me by phone at (913) 551-7566 or by email at hammerschmidt.ron@epa.gov.

Sincerely,



Ronald F. Hammerschmidt, Ph.D.
Director
Environmental Services Division

Enclosures