



July 20, 2004

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John Helmeset, P.E.
Environmental Engineer 2
NYSDEC Div. of Environmental Remediation
Bureau of Western Remedial Action
625 Broadway
Albany, New York 12233-7017

**RE: Work Plan for Indoor Air/Soil Gas Sampling
Apartment Buildings on Maple Avenue
Clove and Maple Avenue, Haverstraw MGP Site, 3-44-049P
Haverstraw, New York**

Dear Mr. Helmeset:

On behalf of our client, Orange and Rockland Utilities, Inc. (O&R), The RETEC Group, Inc. (RETEC) is pleased to provide you with this site-specific work plan for the Indoor Air/Soil Gas Investigation at the apartment buildings on Maple Avenue, in Haverstraw, New York. The sampling event described in this work plan is a portion of the supplemental remedial investigation (SRI) activities that were described in the SRI Work Plan letter prepared by GEI Consultants, Inc. dated June 8, 2004, which was conditionally approved by your letter of June 21, 2004.

This sampling event will involve the investigation and evaluation of five (5) apartment buildings. We are continuing to explore access to the separately owned apartment building which includes the unit at 117 Maple Avenue. However, due to personal reasons we do not expect that the owners will be available to provide access at this time, and sampling at this location may be postponed.

We anticipate that up to 15 air and soil gas samples will be collected, as listed in Table 1.

TABLE 1
Sampling Summary for Apartment Buildings on Maple Avenue

BUILDING	INDOOR AIR / AMBIENT	SOIL GAS	TOTAL
Ambient	2		2
117 Maple Ave.	1 (may be postponed)	1 (may be postponed)	2
Building 1	1	1	2
Building 2	1	1	2
Building 3	1	1	2
Building 4	1	1	2
Building 5	1 plus 1 field duplicate	1	3
Total	9	6	15

Mr. John Helmeset
July 20, 2004
Page 2

The exact locations will be determined after the site walk and chemical inventory check planned for Wednesday, July 21, 2004. We plan to conduct the sub-slab utility clearance and installation of soil gas probes on Monday, July 26, 2004, followed by the air and soil gas sampling on Tuesday, July 27, 2004.

The collection of soil gas samples in the apartment utility closets will be conducted in accordance with the procedure provided by the New York State Department of Health in their letter dated June 30, 2004, which is different from the procedure in the SRI Work Plan. The soil gas samples will be collected from the gravel layer immediately below the concrete slab in each building. The soil gas probes will be installed and sealed with hydrated bentonite clay. All tubing, including the flexible tubing to be attached to the Summa canister, will be attached and clamped. Indoor air samples may be collected either in the utility closet rooms or in the apartment hallways. If indoor air samples are collected from utility closet, then cross-contamination of the indoor air samples will be avoided by ventilating the room after installation of the soil gas probe (cross contamination could be caused by the concrete drilling activity and temporary leakage of soil gas into the indoor air during the installation of the soil gas probe). The room will then be closed. The soil gas samples will be collected after a day of equilibration. Purging of the sample point will not be conducted. If additional tubing is required to connect to the Summa canister at the time of sample collection, then only the volume of the newly introduced tubing will be purged. Following the soil gas sample collection, all concrete coring holes will be sealed and patched to match existing grade prior to demobilization from the site.

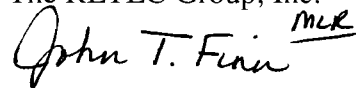
The ambient and indoor sampling will be conducted on the same day as the soil gas sampling. One upwind ambient sample and one downwind ambient sample will be collected during the indoor air sampling program. A duplicate indoor air sample will be conducted in one of the buildings.

RETEC will conduct its work in accordance with a site-specific Health and Safety Plan (HASP). The air and soil gas samples will be shipped via overnight delivery service to a NY ELAP-certified laboratory for extended TO-15 analysis with a 14-day turnaround time. A letter report with a preliminary interpretation of the data will be prepared within three weeks of receiving the data. The results will be incorporated into SRI reports, as described in the SRI Work Plan.

Please feel free to contact me with questions or comments at 607-277-5716.

Sincerely,

The RETEC Group, Inc.

The signature is handwritten in black ink, reading "John T. Finn". To the right of the signature is a small, stylized monogram that appears to be "MCR".

John T. Finn, P.E.

Senior Engineer

cc: Maribeth McCormick, O&R
Bruce Coulombe, RETEC
Chris Beetham, RETEC