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10 December 2007
File No. 32077-050

Todd Caffoe, P.E.
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
East Avon, New York 14414

Subject: Sub-Slab Vapor Mitigation System Monitoring
Xerox Corporation
Building 801
Henrietta, New York

Dear Mr. Caffoe:

This letter provides a summary of activities associated with the mitigation of potential sub-slab vapor intrusion performed from June through December 2007 at the Xerox Building 801 facility located in Henrietta, New York. Activities summarized herein include the expansion of the sub-slab depressurization (SSD) system and associated radius of influence determination. A description of scheduled work anticipated to be completed by 25 January 2007 is also included.

Sub-Slab Depressurization (SSD) System Expansion

The sub-slab depressurization (SSD) system was expanded as discussed during our meeting on 12 June 2007. The SSD system expansion included the installation of an additional fan and associated piping to the west of original system (see attached Figure). One radon-abatement-type fan interfaced with three (3) suction locations identified as S-6, S-7 and S-8 was installed by Crosby-Brownlie of Rochester, NY to depressurize the sub-slab in the vicinity of sample points SP-9 and SP-10. All SSD system installation activities were observed by Mitigation Tech of Brockport, NY (a NYS licensed radon abatement contractor) and Haley & Aldrich.

Sub-slab vacuum radius of influence measurements were recorded after installation on 16 October and 20 November 2007 after 31 days of SSD system operation. During the vacuum monitoring events penetrations through the floor slab (former groundwater monitoring wells and piezometers) in the former CRC area were capped using process piping end caps or duct tape.

The additional fan (Fan 3) and suction pit locations (S-6, S-7, and S-8) and permanent vacuum monitoring points with associated vacuum measurements are presented on Figure 1.

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Sub-grade Utility Evaluation/Clearance

Prior to the placement and installation of the additional suction pits, Haley & Aldrich personnel met with Joe Ciralla and Dennis Schaut of Xerox Corporation to evaluate sub grade utility locations. The only sub-grade utility within the study area was determined to be the sanitary sewer connections from the rest room facilities in each building segment. Review of the facility as-built drawings indicates that the conveyance of these utilities proceed to the south towards Jefferson Road and do not penetrate the foundation wall between the two building segments within the study area. Therefore, these limited utility elements are not viewed as potential conduits for vapor migration through the foundation wall.

SSD System Alarm System

On 16 October 2007, the three (3) exhaust fans used to induce the negative pressure within the SSD system were connected for purposes of operational monitoring to the Xerox Corporation Security Monitoring System managed and monitored at the West Entrance Security Guard desk. This security station is operated 24 hours a day 365 days a year. The system interlocks were installed by Honeywell and verified by Xerox Security during our site visit and vacuum monitoring event on 20 November 2007. If an alarm is received in the Security office an email will be sent to Eliott Duffney at Xerox who will contact the appropriate personnel in B801 to troubleshoot and re-start the fan in alarm.

Proposed Sub-Slab Vapor Sampling

Sub-slab vapor sampling will be performed as agreed upon in our meeting with the NYSDEC and NYSDOH on 12 June 2007 during the upcoming heating season. Samples will be collected using SUMMA canisters equipped with 4 hour integrated flow controllers from the sampling locations identified on Figure 1. Samples will be submitted to Columbia Analytical Services for analysis in accordance with by EPA Method TO-15B.

The objective of the sampling event will be to determine if constituents of concern (PCE, TCE, 1,1,1-TCA, cis-1,2-DCE, 1,1-DCA and VC) are present in the sub-slab vapor at concentrations exceeding XELs beyond the influence of the existing SSD system. To achieve this objective, the sub-slab vacuum will be measured prior to sample collection and SUMMA® canister samples will be collected from four locations (two on each side of foundation wall) where the subsurface vacuum is observed to be less than 0.002 inches of water (in. H_20).

Indoor Air Sampling

Indoor Air sampling will be performed concurrent with the sub-slab sampling at the same locations shown on Figure 1. Samples will be collected using SUMMA® canisters equipped with integrated flow controllers. Samples will be submitted to Columbia Analytical Services for analysis in accordance with by EPA Method TO-15B.

We anticipate that this round of sub-slab soil vapor and indoor air sampling will be completed by 25 January 2008.

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If you have any questions concerning the information in this report, please do not hesitate to contact us at 585.321.4239.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

Denis Conley
Senior Scientist

Glenn M. White
Project Manager

Vincent B. Dick
Vice President

Attachments

c: Eliott Duffney, Xerox Corporation
Susan Shearer, Department of Health

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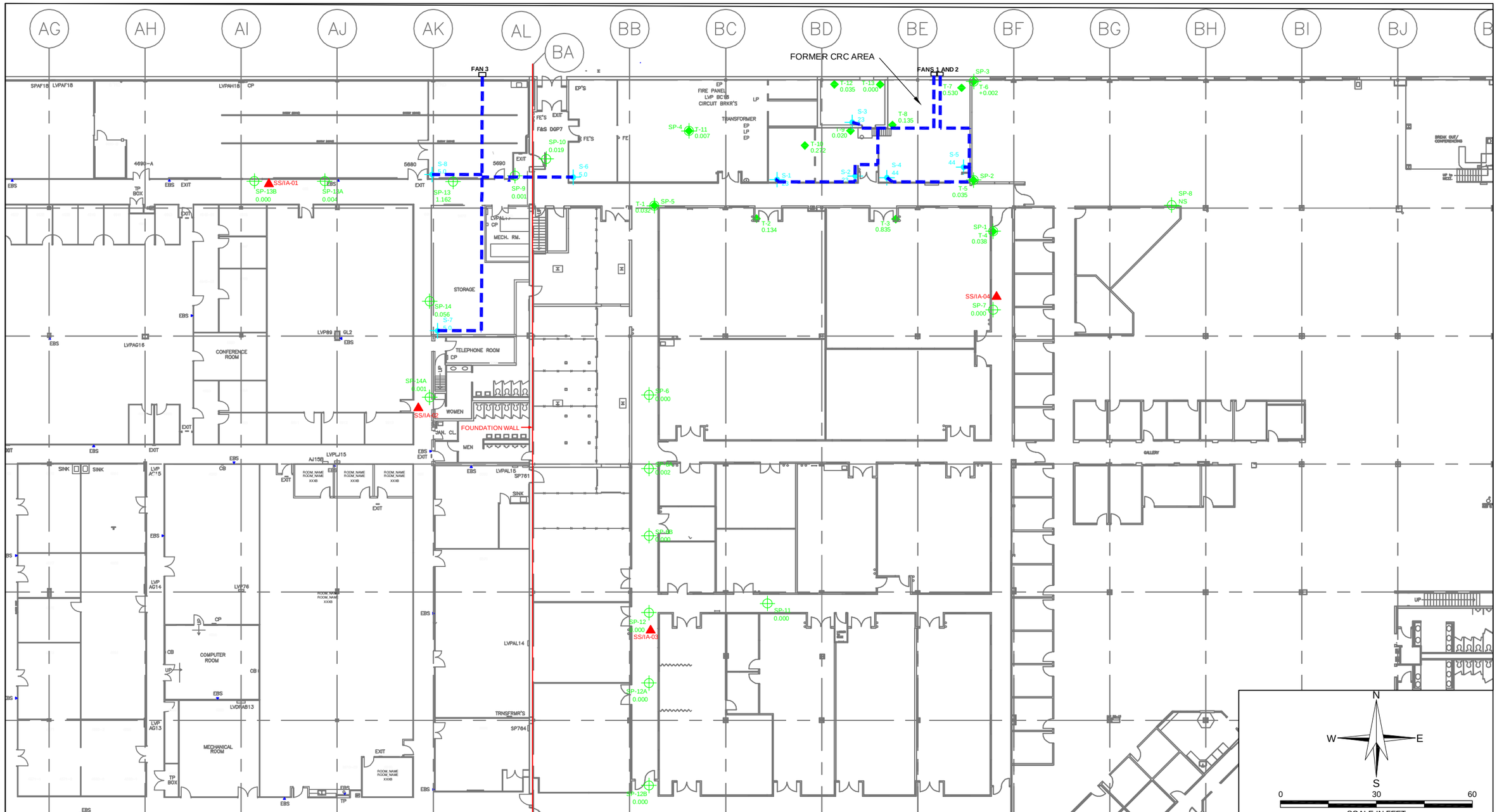

S-1 23 — SUCTION LOCATION WITH VACUUM MEASURMENT (INCHES OF WATER)

T-2 0.111 — VACUUM TEST LOCATION WITH VACUUM MEASURMENT (INCHES OF WATER)

SP-6 0.007 — SAMPLING LOCATION WITH VACUUM MEASUREMENT (INCHES OF WATER)

SS/IA-01 — PROPOSED SUBSLAB/INDOOR AIR SAMPLE

EXISTING PIPING

HALEY & ALDRICH

XEROX CORPORATION
BUILDING 801
HENRIETTA, NEW YORK

SUB-SLAB DEPRESSURIZATION SYSTEM MEASUREMENTS

SCALE: AS SHOWN
DECEMBER 2007

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