

Pfeiffer, Jane K - DNR

From: Pratap Singh <psingh@ksinghengineering.com>
Sent: Tuesday, March 28, 2023 12:36 PM
To: Pfeiffer, Jane K - DNR
Cc: Shane LaFave
Subject: Status Report of Work Performed on 3/27
Attachments: 20230328- East Block Daily Summary.docx

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Hi Jane,

Attached please find a summary of work performed on 3/28/2023.
Mechanical sump was sealed today.
Thank you.

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MEMORANDUM

DATE : March 27, 2023

TO : Pratap Singh, Ph.D., PE / KSingh

FROM : Robert Reineke, PE / KSingh

SUBJECT : Vapor Mitigation Efforts – Community Within the Corridor – East Block
March 27, 2023

COPY TO : Shane LaFave / Roers Companies, Project #40441

I and Kevin from North Shore met in the parking lot of CWC West Block at 8:30 am. We were let in the building by Jereme of Pro Tek security.

We used a PID meter to move through the building. Readings were 0.0 in the garage and gym as we approached the area of work.

All fans were operating. Garage fans operate at regular intervals at high speed and appear to operate continuously at a lower level.

PID readings in the building were 0.0 ppm on the third floor throughout and 0.0 ppm in the garage and gym. Readings in the affected second floor hallway were between 0.0 and 0.2 ppm. All readings in the affected stairwell were 0.0 ppm. The sump crock in the mechanical room had a reading of 47.1 ppm. The fan in the stairwell on the third floor was moved to the second-floor hallway in order to more directly ventilate that area.

PID readings in the affected first floor hallway were reduced from greater than 1 ppm as noted on 3/26/2023 to ranges of 0.0 to 0.4 ppm.

Further smoke testing was performed in order to identify leaks. No further leaks were detected.

The southern blower was determined to be running. The silencer was open, drawing in fresh air to reduce the noise. I closed the silencer valve to maximize the vacuum.

The northern blower was also determined to be running. There is significant liquid build up in the blower.

Five vapor pins were installed in the western portion of the building and initial manometer and PID readings were made. Results are summarized in an attached table and locations are shown on an attached figure. The pins were left in place for additional progress monitoring.

The following recommendations are made:

1. Mechanical room sump will be sealed on 3/28/2023.
2. Provide access to affected locked units on the first floor to perform additional PID air screening and sub-slab vacuum measurements.
3. Screen affected areas with the PID to determine if progress is being made.
4. Perform smoke testing and gap sealing in locked units.
5. Install valve or disconnect and plug blower connection to SE pipe in order to increase blower vacuum in SW portion of building.
6. Perform additional vacuum testing on newly installed vapor pins.
7. Liquid in the northern blower will be drained on 3/28/2023.
8. Ventilate until at least 3/29/2023.