

Pfeiffer, Jane K - DNR

From: Angy Singh <angy.singh@ksinghengineering.com>
Sent: Monday, December 18, 2023 5:22 PM
To: Pfeiffer, Jane K - DNR
Cc: Shane LaFave; Que El-Amin; Pratap Singh; Robert Reineke; Sameer Neve; Mylotta, Pamela A - DNR
Subject: RE: CWC East Block (02-41-263675) - Additional Info Requested
Attachments: pro-GfwN8Cid.jpeg

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Jane,

We received your email below and appreciate your expedited review of our Commissioning Plan. Please see below for our responses in red. If you have any questions or need any additional information, please let us know. We look forward to hearing from you.

Thank you,

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From: Pfeiffer, Jane K - DNR <jane.pfeiffer@wisconsin.gov>
Sent: Wednesday, December 13, 2023 3:00 PM
To: Sameer Neve <sneve@ksinghengineering.com>
Cc: Shane LaFave <Shane@roerscompanies.com>; Que El-Amin <que@scott-crawford.com>; Pratap Singh <psingh@ksinghengineering.com>; Robert Reineke <rreineke@ksinghengineering.com>; Mylotta, Pamela A - DNR <Pamela.Mylotta@wisconsin.gov>
Subject: CWC East Block (02-41-263675) - Additional Info Requested

Good Afternoon,

The DNR is in the process of reviewing the *Proposed Plan for 2nd Round of Commissioning of Vapor Mitigation System* (the plan) received with a fee on November 30, 2023, for the subject site, and requests the below information to assist with our review:

- Per Wis. Admin. Code ch. NR 712, provide an engineer's signature and a statement/standalone letter indicating what report the signature corresponds to. Note that submitting an entirely new report with a signature is not necessary, as a standalone letter with the signature will suffice to satisfy this requirement.
 - o This was sent via email to WDNR on Friday, December 15, 2023.

- Provide details on the operational status of the HVAC system across all site buildings. Specifically discuss the details of the ventilation fans (e.g., kitchen and bathroom) that may be within each apartment unit and where these are located and whether they are functional. Confirm whether the HVAC system is operating under normal building occupancy conditions. If it is not, provide details on how the HVAC system may be operating differently than it would be under normal occupancy conditions.
 - o The West Block HVAC is fully operational. The East Block HVAC in the units where excavation is taking place will need some restoration work that will be completed prior to commissioning.
- Confirm whether CWC still plans to use a biochar sealant mix to seal select building columns, as suggested in CWC's *Column Sealing Options Report*, submitted to DNR on October 10, 2023.
 - o Yes, this is still the plan.
- Provide details on how the elevator that formerly operated along the western edge of Building 1B was abandoned and whether it is still accessible.
 - o That elevator was fully removed; please see that attached figure from the architect. Concrete floor patches were poured at each level and now it is part of the corridor and a unit bathroom.
- Confirm whether PFE measurement point VP-18 is located in the gym or in the stairwell to the northwest of the gym.
 - o VP-18 is in the stairwell to the northwest of the gym.
- Confirm whether the blower locations on Figure 1 of the plan correlate with the blower exhaust locations on the site building roof.
 - o Yes, the piping from each extraction point correlates to a blower on the roof that is by and large above the location of the extraction point. This varies minimally depending on how the piping needed to be routed to the roof.
- The *Emergency Corrective Action Plan for Vapor Mitigation System* report submitted to the DNR on April 19, 2023, for the subject site indicates that a supplemental vapor mitigation system VMS was installed in Building 1B, and that this could be used as a backup system for this area of the site buildings, as needed. Confirm whether a supplemental VMS was installed in Building 1B.
 - o The initial VMS consisted of four fans/blowers provided by Fliteway Technologies. Two of these blowers (Blowers 3 and 4) are in Building 3A. Blowers 1 and 2 were initially on the ground level outside Building 1C. These two blowers are now on the roof, and an additional blower was added here (Blower 2A). Through the ECAP process, we supplemented the VMS by adding a total of 8 blowers to the VMS throughout the site as shown in Figure 2 of the Proposed Plan for the 2nd Round of Commissioning. These blowers are all independent of one another and are powered separately. In total, we have 12 blowers on the East Block which are part of the active VMS. Note that there are 11 exhaust sampling points because Blowers 3 and 4 are manifolded. The 12 blowers are operating at 50% of their capacity. These fans have variable operational capacity and can be adjusted up to 75%-90% if needed which provides additional capacity. With these blowers, we have been able to maintain a vacuum of 0.004 inches of water throughout the buildings.

This information can be emailed to me directly, or submitted to the DNR's electronic submittal portal. In consideration with CWC's schedule presented in the plan, please submit this information by the end of the day on Friday, December 15, 2023. After the DNR receives this information, we will work to provide CWC a letter response to the plan by the week of January 8, 2024.

Additionally, the recent weekly progress reports submitted to the DNR present TCE vapor data in parts per billion (ppb) units. However, past TCE vapor data has been reported to the DNR in ug/m³ units. Please present TCE vapor data in ug/m³ units in future reports and data tables. Update comprehensive data tables to present TCE vapor data in ug/m³ units, as may be appropriate. **We have completed this and will continue to update accordingly.**

Thank you, Jane

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Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jane K. Pfeiffer

Hydrogeologist - Remediation & Redevelopment Program

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