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From:

Joseph Quinnan

Date:

February 21, 2019

Arcadis Project No.:

MI001454.0007

Subject:

Livonia Transmission Plant

Pre-mitigation indoor air sampling and mitigation of detached garages and sheds, 36200 Plymouth road, Livonia, Wayne county, Michigan

MDEQ Site ID No. 820002970

Pursuant to email correspondence from Mr. Brandon Alger (February 14, 2019) and our telephone conversations on February 15, 2019 regarding pre-mitigation indoor air sampling and mitigation of detached garages and sheds, Arcadis is providing the following for Michigan Department of Environmental Quality's (MDEQ's) concurrence.

Pre-mitigation indoor air sampling

MDEQ indicated in the February 14, 2019 email that Michigan Department of Health and Human Services (MDHHS) and Wayne County requested that a second round of pre-mitigation indoor air would really help to bolster the baseline data set. During our teleconference on February 15, 2019, MDEQ reiterated that a second round of pre-mitigation sampling was the goal, but that 45-day mitigation schedule was the priority.

Arcadis re-iterated that adhering to the mitigation schedule was priority and that the pre-mitigation indoor air sampling would be completed to the extent possible based on access and home owner's availability, provided that it would not affect the mitigation schedule. It is important to note that all of the indoor air samples collected at the residences during the first round of sampling did not show detectable concentrations of vinyl chloride. Arcadis initiated indoor air sampling on February 11, 2019, prioritizing the

effort on the pre-mitigation sampling locations. It was agreed that some of the residences may not be resampled prior to pre-emptive mitigation in the 45-day schedule.

Mitigation of Detached Garages and Sheds

MDEQ indicated that it's preference for mitigation of any detached garages and sheds with cement floor slabs should be completed using floor sealing/passive methods (e.g. Retro-Coat). MDEQ also indicated that shallow groundwater wells could also be placed adjacent to these structures and evaluated based on an MDEQ calculated, site-specific groundwater screening criteria based on 12-hour occupancy, rather than 24-hour as for the primary residences. If the floor sealing option was selected, MDEQ indicated that these buildings could be completed outside the 45-day mitigation schedule, as it is acknowledged that ambient temperatures above 50 degrees would be required for curing, in accordance with the manufacturer's specifications.

MDEQ requested a list of properties with photo documentation of each detached garage and shed with cement slabs. As the mitigation assessments/building surveys are ongoing, Arcadis will provide photos in a separate transmittal.

Based on our discussion, we intend to pursue the floor sealing option. The list of 25 properties where detached garages and sheds with cement floors have been identified to date is attached (See Table 1). Arcadis will continue to communicate results of the mitigation surveys on a regular basis in the coming weeks and will update this list as needed. Arcadis will provide a schedule for the floor sealing in a separate memo. It was agreed that this work will not be completed in the 45-day schedule.

Table 1. Detached Garages and Sheds with Concrete Slab Floor.
2/20/2019

Site Address (Livonia, MI 48150)	Structure Type (Detached Garage / Shed)
12089 Boston Post Road	Detached Garage
12067 Boston Post Road	Detached Garage
12131 Boston Post Road	Detached Garage
12066 Boston Post Road	Detached Garage
12121 Boston Post Road	Detached Garage
12069 Stark Road	Detached Garage
12087 Stark Road	Detached Garage
12125 Stark Road	Detached Garage
12033 Stark Road	Detached Garage
34920 Beacon Street	Detached Garage
34380 Beacon Street	Detached Garage
34450 Beacon Street	Detached Garage
34950 Beacon Street	Detached Garage
34990 Beacon Street	Detached Garage
12091 Brewster Avenue	Detached Garage
34424 Capitol Avenue	Detached Garage
34401 Capitol Avenue	Detached Garage
34360 Capitol Avenue	Detached Garage
34367 Capitol Avenue	Detached Garage
34480 Capitol Avenue	Detached Garage
34669 Beacon	Detached Garage
11981 Boston Post	Detached Garage
12068 Stark	Detached Garage
12017 Brewster Avenue	Detached Garage
12088 Brewster Street	Shed