825 Site Visit - Aug 19, 2021

Thursday, August 19, 2021 8:03 AM

- 07:50: Meet on-site: NGG: Michael Shannon; The Dextra Group: Kurt Batsel; AECOM: Holly Holbrook
- Meet Colin Scanlon - Apple Lease manager: cscanlon@apple.com / Apple, Real Estate & Development Mobile: 510.290.7726
    - HVAC - not sure how operating

- Pre-arrange Site Visit Agenda:
    - The sub-slab depressurization system that was installed underneath the site building to vent vapors to the atmosphere.
    - The building's concrete slab and cracks that where sealed to prevent vapor intrusion. As well as any building concrete slab penetrations (e.g., from pipes or seams in the building).
    - Past indoor air sampling locations.
    - The location where contaminated soil was excavated from underneath the building.
    - The spaces between the walls of the three sections of the buildings that were sealed in 2014-2015.
    - The emulsified vegetable oil in-situ bioremediation system.
    - The location of groundwater monitoring wells.

- Holly: 4 HVAC zones 1st floor
    - Can't access vent riser pipes - no ports

- Building Elevator Maintenance:
    - Elevator shaft in GW in a pvc sleeve.

- IA-4: Open area in front of elevator.
- Matt: Roof, West Bldg Vents are exactly 10' from HVAC, just meeting code. Not great for VOCs bc venting into hvac. Would be better / need to extend 10' high.
- Matt: Roof, East bldg stack issues. Vents too close to chiller. Cut too low.
- Photo. PVC pipes in in service room; unk source. Suspect drain from roof (it's flat). Around pipe openings sealed (good). Room is has hvac air (good).
- Older concrete floor cracks well sealed. Photo examples.
- SS-05 under carpet (photo). Identified by Apple. Right SS diameter, but grout sealed. Seems mislabeled as SS-5 location not shown here in 2016 VI rpt. Matt: Seal sub slab ports. Not abandoned properly. Rusted. Use brass and SS. Reinstall or abandon. Seal and can redrill if needed. Don't need a permanent SS port.
- SS-4 (photo) not poured well.
- Room 12-19 has drain. Room under negative pressure -4. It's hvac well balanced. Sample this room bc of drain and neg pressure.
- Matt: Room 12-14 (w/saw?) pressure 5.6 pascals. Has positive pressure. Would sample in hallway because has lower pressure. Otherwise sampling vent air.
- Justin with Apple, part of tour. Rooms are supposed to be warm, but have high turn over. Bldg has turn over. Didn't change for COVID. On 24 hrs because do thermal testing overnight.
- IA-2. Environmental room. Raised floor.
- Cube office work area IA-7: 3 pascals lower then hallway.
- IA-8 Has a higher pressure. Unlikely to be an issue here.
- IA sample where pressure is lower
- Need to look at past SS concentrations
- IA-9: Bathroom neg pressure. -15.7 pascals. Drain has no measurable floor, but the drain cover are too small to get tubing down. Can't feel flow. EPA assumption is all drains leak, but not representative.

ED_006475C_00003016-00001

Negative means air comes in to roof.

- SS-3 (Photo): Cannot locate SS-10 and SS-11. Indoor building layout has had changes (?) since 2015. AECOM will look at their records.

- Matt / EPA Comments:
  - EPA samples with hvac off because venting changes with economizers and season and we can't control for those future scenarios.
  - 4 stacks need to be extended. Ok per code but not COCs. Main bldg is under chiller stack, not even sure how extend.
  - Be nice to get the HVAC test and balance reports to know where to sample. Want economizers to be closed and heater on. Usually in January.
  - Want HVAC off for worst case short-term exposure scenario.
  - Destroy the indoor SS ports.
  - Crack inspection documentation.
  - Locate the indoor SS missing ports.
  - Apple is operating bldg (HVAC) perfectly. Pressure right. But, long term we have no control over.
  - Recommend cages around ladders to roof.

-