

# Air Quality Update

July 21, 2025

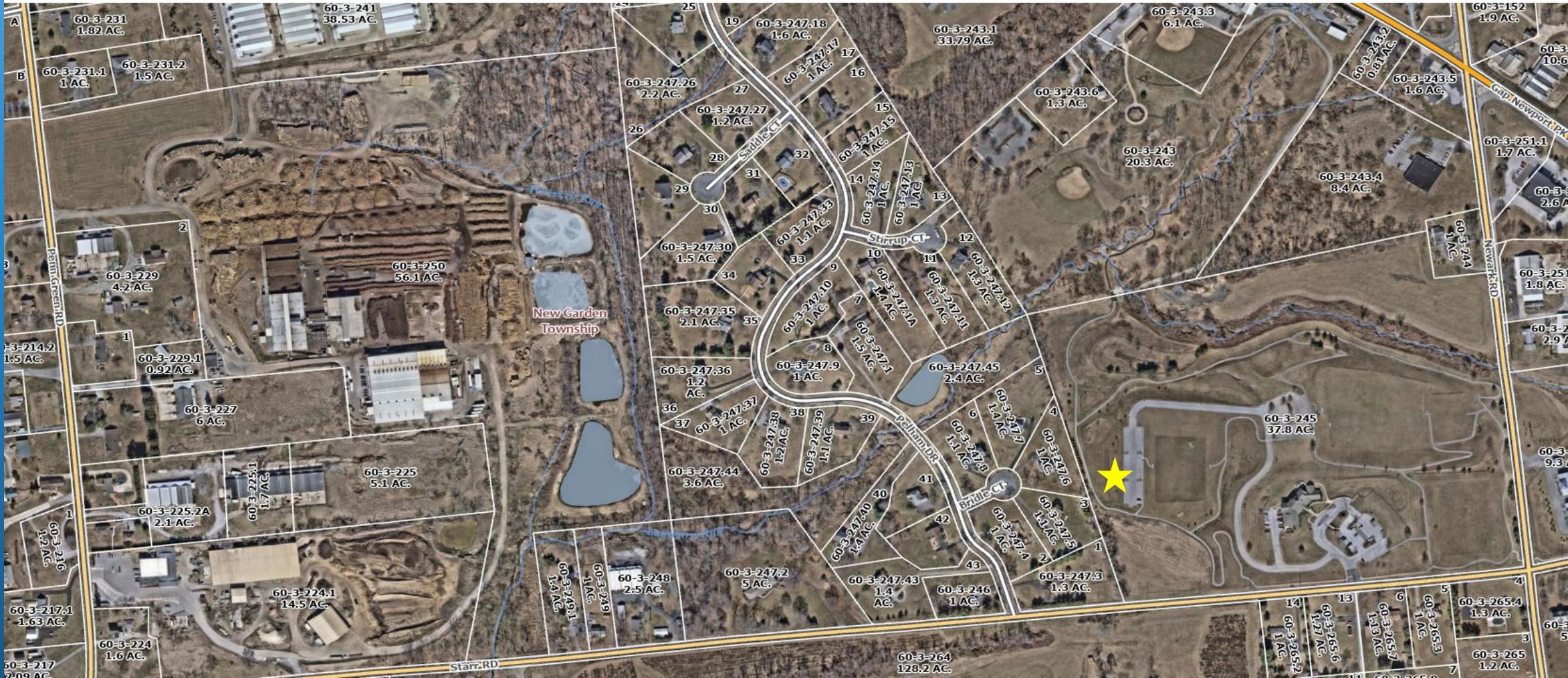


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- Based on the results from two previous air quality studies (DEP and WCU) that measured levels of H<sub>2</sub>S emanating from agricultural properties along the Starr & Penn Green Rd corridors, the Township recognized the need to establish a long-term air quality monitoring facility in the vicinity of these agricultural operations
- New Garden and DEP agreed to locate a permanent monitor in New Garden Park, adjacent to the Landenberg Hunt community, called the “Landenberg” monitor, to avoid confusion with the current DEP monitor located at the airport, which is now called the “New Garden–Airport” site
  - With that, DEP has agreed to install a hydrogen sulfide (H<sub>2</sub>S) sampler at the airport site to provide background sampling for H<sub>2</sub>S
- DEP staff surveyed the township property to determine viable locations for the air sampling shelter, taking into consideration both community concerns and infrastructure costs, where the final site would need approval by the Board of Supervisors and EPA Region 3.
  - Based on the proposed site location and preferred infrastructure, New Garden will consider offsetting some of the infrastructure costs
- At the new Landenberg monitor, DEP will install an air monitoring shelter, an H<sub>2</sub>S sampler, and meteorological equipment (wind speed, wind direction, precipitation, temperature, solar radiation)
- DEP will consider adding fine particulate sampling (PM<sub>2.5</sub>) to the Landenberg monitor
- Barring delays in leasing or infrastructure contracting, DEP expects to have the Landenberg monitor operational by the end of Q3 FY25
- Access to the monitor data is available to the public via the DEP’s “Ambient Air Monitoring Data Reports” site, with the following URL:  
[http://www.ahs2.dep.state.pa.us/air\\_apps/aadata/](http://www.ahs2.dep.state.pa.us/air_apps/aadata/)

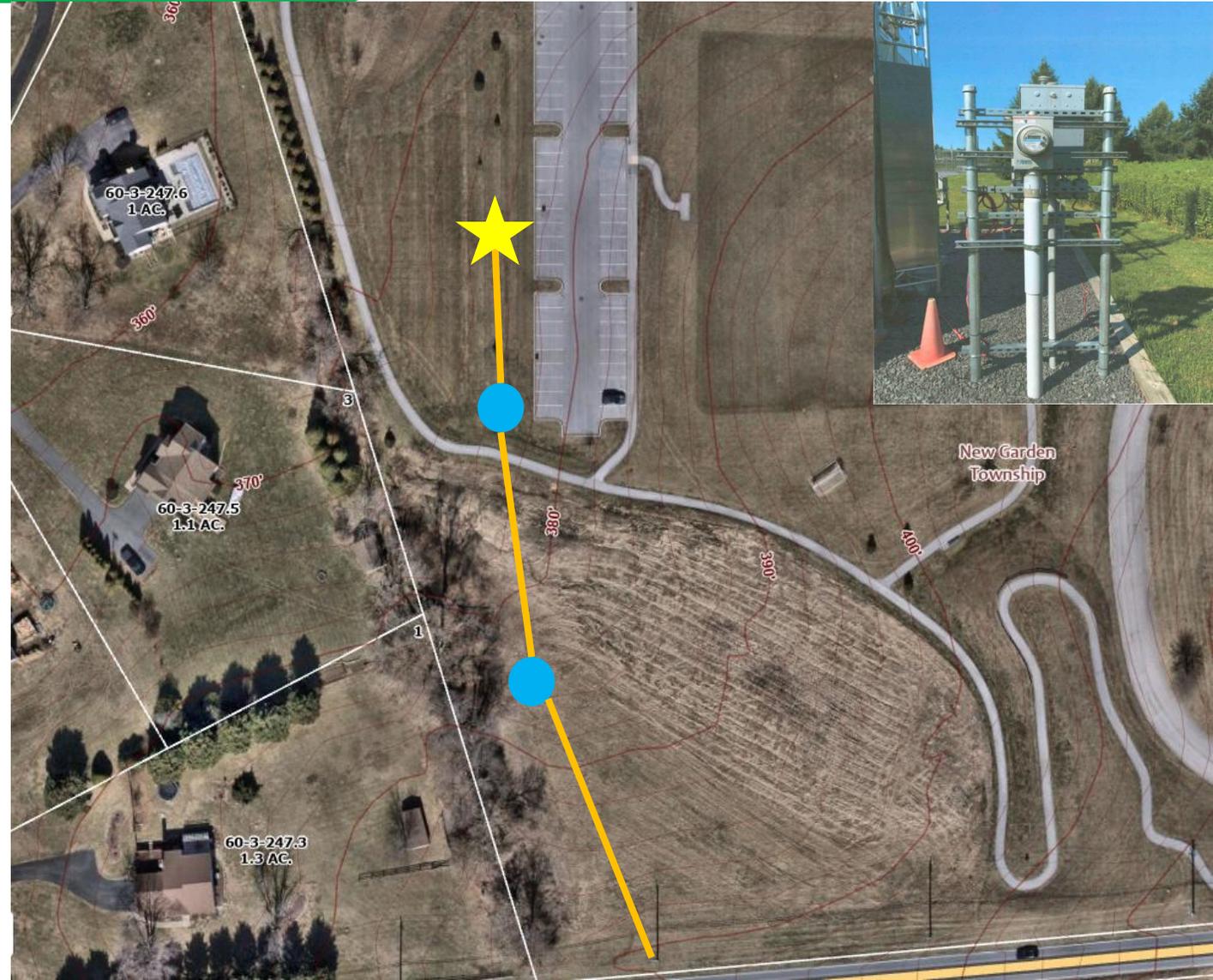
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- DEP and Township staff agreed that the new Landenberg monitor should be located in a lower-lying area to address concerns that the previous temporary monitor was at a higher elevation and further away, with the following recommendation:



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- The new Landenberg monitor is located 50-60ft lower in elevation & ~620ft closer than the former temporary monitor location
- The proposed location will require additional power poles (2+) to connect from Starr Rd, down to the site
- The monitor encompasses ~100 sq ft with an adjacent power station
- At a minimum, 2 poles are required, with an option to bury the third wire (added cost)
- Based on the proposed concept, the biggest impact is on the park's aesthetic



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- The Township has continued to engage AMI to request feedback from their ongoing PDA Conservation Research Fund project, where they were awarded \$220K to perform an air quality study on a Chester County mushroom farm that builds on earlier research to determine impacts of concentrated mushroom production
- The following is AMI's update:
  - “The Mushroom Industry is cautiously optimistic about new tools on the market it has assessed to be adaptable to mushroom composting operations.
  - Pennsylvania Department of Agriculture is funding some of the work to assess and pilot required operations adjustments and outcomes. Apart from that, the industry's own investment in these new tools will total in the millions, including start-up costs as high as \$2 million for some farms, and significant ongoing annual expenses across the industry. We are working with our state and federal legislators to secure available grant dollars to fill funding gaps and expedite the start up timeline to the extent possible.
  - As we work to identify the most effective solutions, we are grateful for the continued understanding of our townships and communities, and remain confident these investments will yield long-term benefits for all.”

# Questions?

