



Meeting Notes: PAX-1--Sewage Planning/IWW Discussion with DEP Clean Water Staff

Date: 01.26.2026

Attendees:

Brian Schlauderoff (Sewage Planning Chief, DEP)

Noah Niederer (Planning Specialist, DEP)

Jin Su Kim (DEP Permitting)

Paul Krehbiel (Engineering consultant, Hazen)

Nick Long (Project team)

Justin Ross (Project team)

Petri Ottavainen (Project team)

Andrea (Assistant Director, DEP)

Troy Conrad (PAGOV, OTO)

Meeting Notes

1. Water and Sewer Allocations and End User Needs
 - Municipality has allocated 400,000 GPD water and 273,000 GPD sewer capacity.
 - Tapping fees are secured.
 - End user plans to rely on on-site storage to manage cooling water; attenuated storage planned on effluent side for cooling discharge.
2. Site and Subdivision Overview
 - Preliminary subdivision plan approved for parcels: Lot 1A, 1B, Lot 2, Lot 3, and residual Lot 1C.
 - Non-building waivers submitted for speed; Lot 1B (PPL substation/step-down substations) remains non-building.
 - Lot 1A: no sewer/water usage planned at this time; Lot 1 is Campus 1, Lot 2 is Campus 2, Lot 3 is Campus 3.
3. Black Water Approach and Capacity
 - Existing permitted residential forced main and pump station on Country Club Road (40–50k GPD design capacity).
 - Projected black water flow ~32k GPD (50 employees per building × 18 buildings × 35 GPD/employee).
 - Strategy: extend existing black water force main and add a second public pump station (pink line) between Campus 1 and 2; MTMA to take over the black force mains and pump stations upon dedication.
 - Decision: Keep black water system separate from industrial cooling water to avoid reopening the existing permit.
4. Industrial Wastewater (IWW) / Cooling Water Strategy
 - Proposed separate IWW pump station and force main (green line), with on-site storage to control discharge rates and remain under municipal allocation.
 - Cooling water will ultimately enter the sewer collection system; DEP views it as sewage once mixed; downstream evaluation is required.
5. Planning Requirements and Regulatory Path
 - DEP requires Component 3 sewage planning (not an exemption) inclusive of IWW due to flows

entering public collection system.

- Planning must demonstrate no existing or projected overloads (5-year horizon) under Act 94; include downstream pump stations/interceptors to treatment plant capacity checks; coordinate with MTMA's projections.

- DEP will formally respond to the application mailer; Noah will send Component 3 instructions.

6. Permitting Requirements and Process

- Black water pump station/force main: no new permit needed if unchanged; any changes (pump size, force main/wet well sizing, relocation) require DEP review.

- IWW cooling water pump station and storage tank require Water Quality Management permit:

- Module 22 (Pump Station & Force Main)

- Module 15 (Industrial Wastewater Treatment—flow reduction/storage tank system)

- Design Engineer's Report: narrative, calculations for discharge rates, pump curves, and demonstration of no surcharge/backflow.

- Pre-application meeting with DEP encouraged to streamline review.

7. Review Timelines

- Planning (Component 3): DEP review clock is 120 days (does not stop once complete application is received).

- Permitting (WQM for IWW): DEP review target ~60 calendar days; clock stops when requesting additional info.

8. Coordination and Next Steps

- Hazen to review township's conveyance model; assess downstream capacities and needed upgrades.

- MTMA and township supportive; municipal approvals may be on a longer timeline than DEP planning.

- Team to circulate draft meeting minutes to align on action items and responsibilities.

Next Steps & Timeline

- DEP to send Component 3 instructions via Noah Niederer: Today.
- Project team to prepare and submit Component 3 planning package inclusive of IWW and downstream capacity evaluation:
- Hazen to complete downstream conveyance modeling incorporating MTMA 5-year projections and existing approvals:
- Schedule DEP pre-application meeting for WQM permit (Module 15 & 22) for IWW pump station/tank:
- Prepare Design Engineer's Report with narrative, discharge calculations, and pump curves for IWW permit:
- Confirm with township/MTMA any required off-site interceptor upgrades and permitting:
- Draft and circulate meeting minutes to DEP team for alignment: within the next few days.

Action Items & Owners

- Prepare Component 3 planning package (inclusive of IWW) | Project team
- Send Component 3 instructions and formal response to application mailer | Noah Niederer (DEP)
- Downstream conveyance capacity modeling and identification of upgrades | Hazen (Paul)
- Pre-application meeting scheduling for WQM permit | Project team (Nick) with DEP (Jin Su Kim)

- Compile Design Engineer's Report (IWW storage/pump station) with pump curves and discharge controls | Engineering team
- Confirm municipal approvals and any conditions of signature tied to DEP planning/permitting | Project team with Township/MTMA
- Circulate draft meeting minutes for DEP review | Project team (Nick)
- Verify non-building waiver handling for Lot 1A within planning package | Project team (Nick) and DEP (Noah)