

WATERWAY, WETLANDS, AND EARTH DISTURBANCE PERMITTING

It Takes the Whole Team



The purpose of this pamphlet is to present an overview of **INTERDISCIPLINARY COMMUNICATION** that is essential as you navigate the waterway, wetlands, and earth disturbance permitting processes (a.k.a. PA Chapters 102 & Chapter 105). This guide focuses on using an interdisciplinary **TEAM** to make permit application preparation more efficient and less frustrating. For more information on technical permit procedures, refer to PennDOT Publication 783 or PADEP's website.

Key elements to remember:

- Quality control and consistency across permit documents is critical to enabling project construction to proceed on schedule.
- It's a **TEAM** effort. All tasks are interrelated.
- All team members should attend meetings (as allowed per budget). It is important all team members are kept informed as the design progresses so the disciplines can comment on the potential effects to permits.
- Any time there are changes to roadway location, structure footprints, disturbed area limits, or ROW, it will most likely impact the Chapter 102 and/or Chapter 105 permit processes.

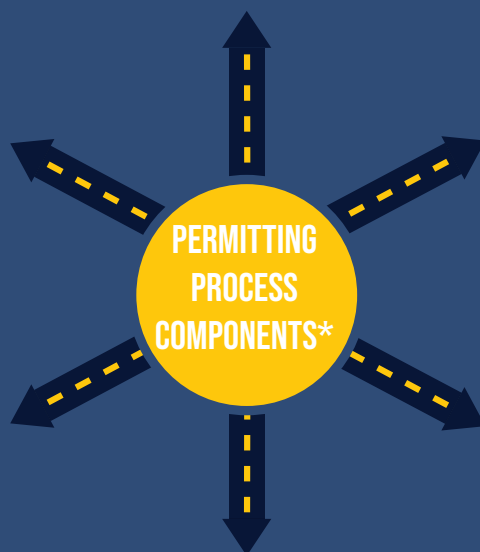
THE BOTTOM LINE: Notify the permitting team of any changes.

Key communication points for Chapter 105 and Chapter 102 permitting processes.

Identify the project study area (PSA) and limit of disturbance (LOD).

Design stormwater controls (PCSM) to communicate with drainage, all project improvements (roadway, structure, ITS, and temporary access).

Design erosion and sediment control (E&S) to communicate with MPT sequence, drainage, construction access, and all disturbance.



Conduct natural and cultural resource studies and submit technical reports. Obtain PA SHPO Section 106 concurrence.

Wetlands and waterways. Perform H&H modeling. Communicate with drainage and all project improvements (roadway, structure, ITS, and temporary access).

Coordinate permit needs with regulatory agencies and assess permit requirements.

* **ANY CHANGE** in structures and roadway alignments, drainage, temporary access, disturbance limits, MPT, and ROW/TCEs affect project impacts and must be communicated to the water resource and environmental permit teams.

What is your role? Ask yourself these questions!

GEOTECH/STRUCTURAL: Did you change foundations? Do you need access for design testing? What is your access during construction? Are you removing any structures?

HIGHWAY, ROW: Did you change fill/cut/LOD? What is your construction access? Do you have permanent, temporary, drainage, or aerial easements? Are these reflected on current plans?

WATER RESOURCES: Where are your outfalls? Did you change outfalls, basins, or riparian buffers? What stream restoration or landscaping is proposed? Are fishery or other timing restrictions noted on plans?

ITS: Where are your new sign structures? Any new buildings or new fiber required?

UTILITY: Do utility relocations change LOD? Will a separate Chapter 105 permit be submitted by the utility company?

ENVIRONMENTAL: Did you update the PNDI? Is the T&E clearance up to date? Have fishery or Chapter 93 water quality designations affected the wetland EV status? Did the PSA fully cover the LOD? Is your JD still current?

PERMIT LEADS: Did you use the QUALITY CHECKLISTS found in Publication 783 and Design Manual 13M (H&H Chapter 10, Appendix D)?



Ask yourself the role-specific questions noted above upon reaching each milestone listed below.

PRELIMINARY DESIGN

L&G
TS&L
Preliminary H&H
Preliminary E&S
Infiltration Testing
Environmental Agency Coordination
Preliminary Permits, LOD, and ROW
NEPA

FINAL DESIGN

Foundation Design
Drainage Design
Final E&S
Final H&H Report
PCSM
NPDES Permit
Waterway Permit
Special Provision Development

CONSTRUCTION SERVICES

Support Services to Review
Revised Plans:

- Structure
- E&S
- H&H
- Permit Modifications
- Sign-Off on Environmental Mitigation Commitments (ECMTS)

Helpful tips for developing schedules with permit submissions:

- Schedules often show permit submittal prior to design submission approvals.
- If you do not know the **TEMPORARY E&S MEASURES, CAUSEWAY IMPACTS, OR FULL LOD**, the permit **CANNOT** be submitted.
- Do **NOT** submit incomplete permits to get the permit in the DEP queue; there is no benefit to this, and it frustrates the DEP.

