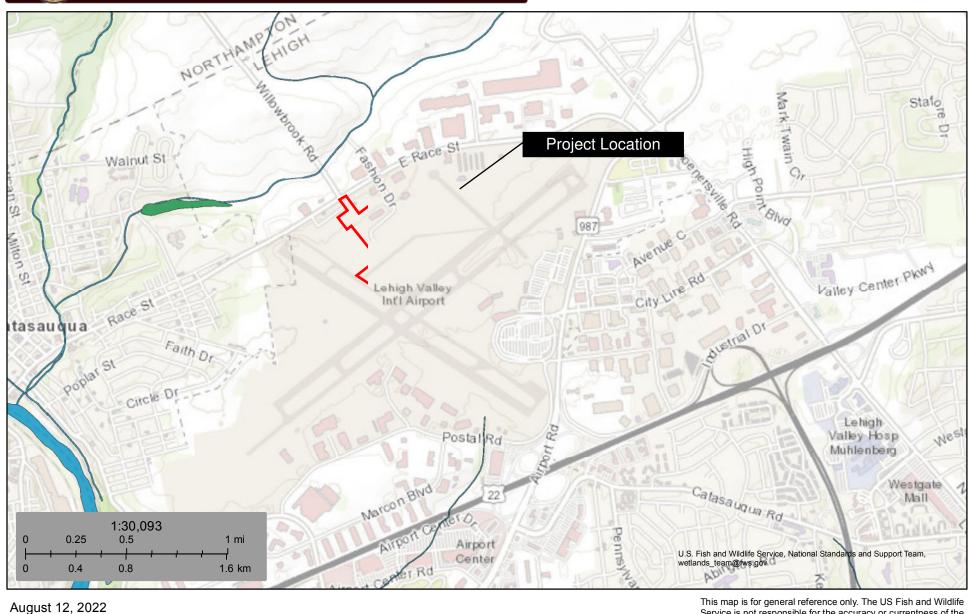
Appendix J

Water Resources

U.S. Fish and Wildlife Service **National Wetlands Inventory**

ABE wetlands



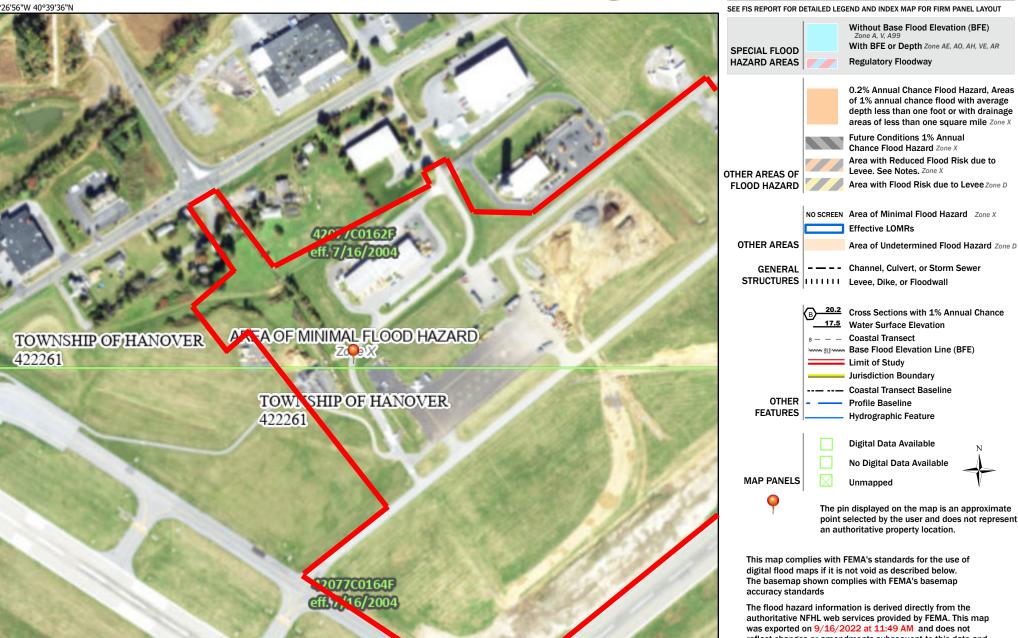
Wetlands Estuarine and Marine Deepwater Estuarine and Marine Wetland

Freshwater Emergent Wetland Lake Freshwater Forested/Shrub Wetland Other Freshwater Pond Riverine Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



Legend



reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

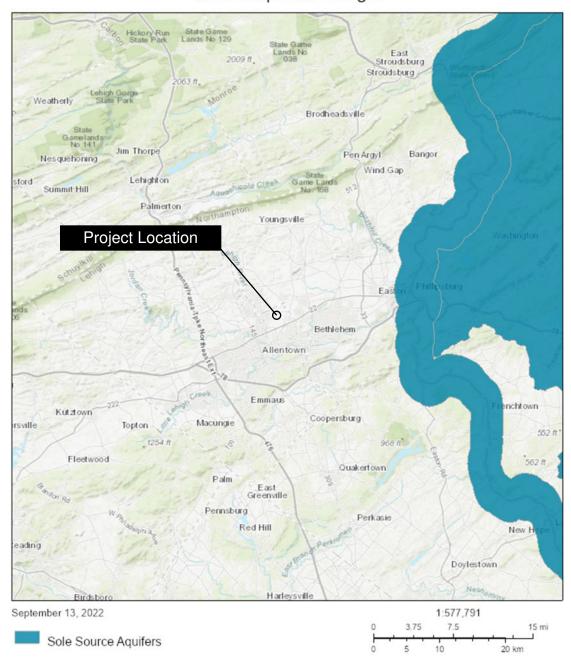
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

250 500 1,000 1,500 2.000 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Feet

1:6.000

ABE Corporate Hangar



Esrl, HERE, Garmin, USGS, NGA, EPA, USDA, NPS, U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS)



Pre- Application Meeting Minutes

Proposed Major Amendment #5, PAC 390061 North Side Cargo Area & Taxiway D Improvements

August 25, 2022

Participants: Ann Sellers, LCCD

Holly Kaplan, LCCD Ryan Rockovits, LNAA Joe Civitella, MKA Christine Troxell, MKA

The meeting was held via the Zoom platform. Joe reviewed the current, overall NDPES boundary. Ann questioned if all of the work in the permit has been constructed. It was explained that due to FAA approvals and funding cycles, not all of the work has been completed. Holly asked if LNAA has any problems with getting vegetation established on the amended soils. Ryan responded that the Airport has a biologist who works onsite to manage vegetation to effectively control wildlife. LNAA has had success with using a mixture of ryegrass & tall fescue-the airport has been able to minimize growth of clover and other vegetation that attracts wildlife. It was also noted that the infiltration beds in the taxiway area have also been constructed.

The classification of the receiving waters was also reviewed. This amendment will add a new discharge point of interest. Runoff from a portion of the work area will now drain towards Race Street and Willowbrook Road, and eventually into an UNT to the Catasauqua Creek. It was noted that a portion of the Catasauqua Creek is classified as High Quality. Joe asked the district to confirm that, because there are no wetlands on this site that are impacted, this permit still qualifies as a general permit because we are not affecting wetlands connected to a high-quality stream. Holly indicated that she believes that the proposed work would still qualify as a general permit application, and indicated that she would verify this, and notify MKA if this was not the case.

It was noted that, typically many modifications to an NPDES permit are not desirable. However, the situation is different with the airport in that improvement projects and funding are ongoing. Therefore, LNAA will often need to amend the permit.

Joe discussed the anticipated E&S control measures for the proposed amendment, specifically the existing stormwater management basin to the east of the maintenance building. It was discussed that this basin treats much of the flow from the proposed work area in the new discharge point, however it would not be feasible to convert this permanent basin back into a sedimentation basin. As a result, MKA proposes to provide adequate E&S BMP's (as was provided for the existing basin along Race Street & Airport Road) upstream of the basin, which drains to discharge point #3. Holly indicated that this would be acceptable.

Because the proposed changes would be covered as an amendment to the exiting permit that was issued on 11/6/2018, the amendment documents would be prepared using the "old forms" which permit the use of the rational method for calculating stormwater runoff rates. Holly indicated that she believes this is still acceptable, but noted she would confirm this with Garrett Cook, district engineer.

Ann noted concerns about the proposed amount of impervious and the potential for standing water in stormwater basins. Ryan concurred that this is a concern for LNAA. Joe responded that there are several areas with impervious coverage there now, so the increase in impervious area may not be as significant as they initially appear. Also, the proposed improvements will span at least two POI watersheds, with the majority of the runoff heading south into discharge point #3, in which additional infiltration areas for both rate and volume are anticipated to be utilized.

The design team and proposed permitting were reviewed. It was noted that LNAA will be working with different consultants on this project, and that MKA will be preparing the E&S and SWM plans for the overall project. Although separate land development plans will be prepared and approved, both projects will share one E&S plan and PCSM plan, which will be prepared by MKA.

In preparing for the next round of runway improvements, it was noted that there is a small area where LNAA proposes some additional operational improvements including straightening the Taxiway A centerline, removing the jog leading into these intersections, adding new shoulder on the runway side of Taxiway A, and demolishing extra pavement on the Hangar 3 side of Taxiway A. Overall, we anticipate that this work would have a net decrease in impervious coverage. It was also noted that this work is not included in the current permit area. This work is anticipated for construction in 2023. Joe noted that this could be included in Amendment #5. LCCD sees no issues with adding this area within Amendment #5. It was discussed that if for some reason the timing of all this work requires the Taxiway A ±2-acre increase in permit area needs to be constructed prior to Amendment #5 being approved, we would need to contact LCCD to see what alternatives could be utilized to permit this work.

The required fees for the forthcoming amendment were discussed. Holly requested that MKA provide her with the anticipated increase in the permit boundary and LOD, and that she would review and advise the team of how the review fees will be calculated. It was noted that currently, we are anticipating a submission at the end of November 2022.

Enclosures: Aerial plan with proposed sketch, watershed boundary (yellow) & current NPDES Area (Green)
Aerial plan depicting current permit area and proposed paving changes to Taxiway A

