



Tri-Cities/Dayton FPA Modification





Water Quality Management Planning

- Impaired waters to improve; high quality waters to protect
- Policies, Programs, Projects to accomplish these objectives
- Responsible management agencies to carry them out





1. WQM Planning: Regional Scope

- Watershed basis environmental services, naturally efficient
- Avoids duplication of effort and infrastructure
- Economies of scale







2. WQM Planning: Facility Planning Areas



- Discrete areas of defined planning and service responsibility
- Delineates where services will and will not be provided
- Designated by Areawide agencies through public and transparent processes





- Usually public
- Implementers of defined responsibilities in the WQM Plan:
 - Collection
 - Treatment
 - Non-point







4. WQM Planning: Treatment Prescriptions

- Record decisions on how water quality will be managed
- Important

 opportunity for local
 priorities and
 decision-making to
 be captured within
 the regional plan.





Proposed Boundary Changes

Development in the Vicinity of Dayton International Airport

The City of Vandalia includes an area south of the airport that is in agricultural use, but has been zoned "Industrial/Innovation."

- This area is currently in the Dayton FPA
- Image City of Vandalia Zoning Map





Vandalia-Dayton Agreement

In 2019 the cities of Dayton and Vandalia signed an agreement to swap areas within their respective FPA for purposes of planned development.

- Approximately 466 acres involved with 99% of the acres switching from Dayton to Tri-Cities
- City of Vandalia has begun design and applied for a PTI to construct a lift station to serve the "Industrial/Innovation" area
- Dayton is serving a new facility along N. Dixie in their new area
- Dayton concurs with the boundary adjustments



Map – FPA "Swap"



Wastewater Treatment Prescriptions in the new FPA Area

Tri-Cities and Vandalia have affirmed the following:

- All development in the area will be industrial/commercial – no new residential developments
- All development in the area will be connected to sanitary sewer – no new on-site treatment systems
- All new development in the area will be connected to the existing Tri-Cities treatment facility through the proposed new lift station with a design capacity of 146,000 GPD
- Existing homes may, but are not expected to, connect to the new sanitary sewer
- New development may start soon, but build out is expected to take as long as a decade



Wastewater Treatment for the new FPA Area

Tri-Cities and Vandalia have affirmed the following:

- The Tri-Cities wastewater plant is currently averaging over 95% of rated capacity on an annual basis
- Scheduled improvements are in the works for the treatment facility:
 - 10 million gallon equalization basin to be added by 2023
 - Capacity improvements by 2029 designed to increase capacity to 16.1 million gallons per day
- Confident that the plant will be able to handle the flows from the new area when the development occurs







Timeline

- Received: February 22
- Public Comment Period: March 21 through April 19
- Public meeting: April 12
- Technical Advisory
 Committee: April 21
- Board of Directors: May 5

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MVRPC Staff Recommendation

- This is a relatively minor adjustment to FPA boundaries
- All parties to the adjustment are in agreement with the proposal
- Public comment is still pending
- Staff recommends adoption of this FPA boundary change, barring any adverse new information emerging from public comment period.



Questions or Comments

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