



AGENDA

Village of Ashville Water Resource Recovery Facility Improvements 2014 Progress Meeting

**August 4, 2014
6:30 p.m.**

DISCUSSION ITEMS:

1. Project Background

- Existing wastewater treatment plant (WWTP) is hydraulically overloaded during wet weather events. This has caused Ohio EPA NPDES permit violations in the past.
- The Ohio EPA has issued Findings and Orders that give a schedule for designing and constructing a new treatment facility. These orders were signed and finalized on June 16, 2014. These orders require design to be completed in 9 months (by March 2015), construction to be initiated in 16 (by October 2015) and construction to be completed in 40 months (by October 2017).
- A new site 10 acre site north of May Avenue and Rail Avenue was acquired in 2013. Design of a new Water Resource Recovery Facility (WRRF) on this site began in 2014.

2. Work Completed to Date

- Environmental site assessment.
- Soil borings and a geotechnical report (Phases 1 and 2).
- Field topographic survey.
- Flow monitoring on Lexington Avenue in progress. Will be completed next week.
- Design of WRRF, Outfall Sewer and Force Main is 30-40% complete. Design will be 60% complete in 1-2 months.

3. Water Resource Recovery Facility (See Figure 1 Site Layout & Figure 2 Yard Piping Plan)

- New plant capacity 0.8 MGD average, 4.0 MGD peak hour.
- Pump Station (raw wastewater pumping from north tributary area of Ashville)
- Headworks Building (with Screening and Grit Removal)
- 3 Channel Oxidation Ditch (biological treatment and nutrient removal)
- 2 -50 Foot Diameter Clarifiers (settling)
- Return Activated Sludge Pump Station (sludge return)
- Ultraviolet Disinfection & Post-Aeration Tank (disinfection and aeration)
- Aerobic Digester Tanks (sludge digestion)
- Solids Handling & Blower Building (with blowers and sludge press) Sludge press will dewater sludge prior to land application or landfilling.
- Administration Building (with offices, a laboratory and a control room)



4. Pump Station/Force Main Alignments (See Figure 3)

- Will pump south tributary area of Ashville to new WRRF site. Located at old WWTP site.
- The 10" forcemain alignment runs north along Scioto Street, west along Rich Street, and north along Lexington Street.

5. Outfall Sewer (See Figure 3)

- 24" gravity sewer will convey treated wastewater from the WRRF to the Little Walnut Creek.
- Sewer alignment runs south along Jefferson Ave, east along Rich Street, and south along Scioto Street. Unable to locate in Lexington due to sanitary sewer and storm sewer interference.