

# Construction in Photos

May 16 - 31, 2016

## Water Resource Recovery Department Village of Ashville Ashville's Water Resource Recovery Facility Part A

Presentation Available on Line at:

[www.ashvilleohio.gov](http://www.ashvilleohio.gov)



# Ashville's WRRF Project



## Vision Statement

- Remembering our rural heritage, Ashville will be a vibrant and friendly community, offering an enhanced quality of life achieved through planning, progress and collaboration.

It will be a welcoming place where people want to live and businesses prosper.

# Ashville's WRRF Project



## Construction in Photos



- May 16, 2016

- The Aerobic Digester excavation continues on the way to the mud mat installation.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos

• May 16, 2016



- The St. Rt. 752 entrance gate and fence completed by Buckeye Fence Builders.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 16, 2016

- The wall forms are almost ready for phase two of the Post Air tank concrete pour.

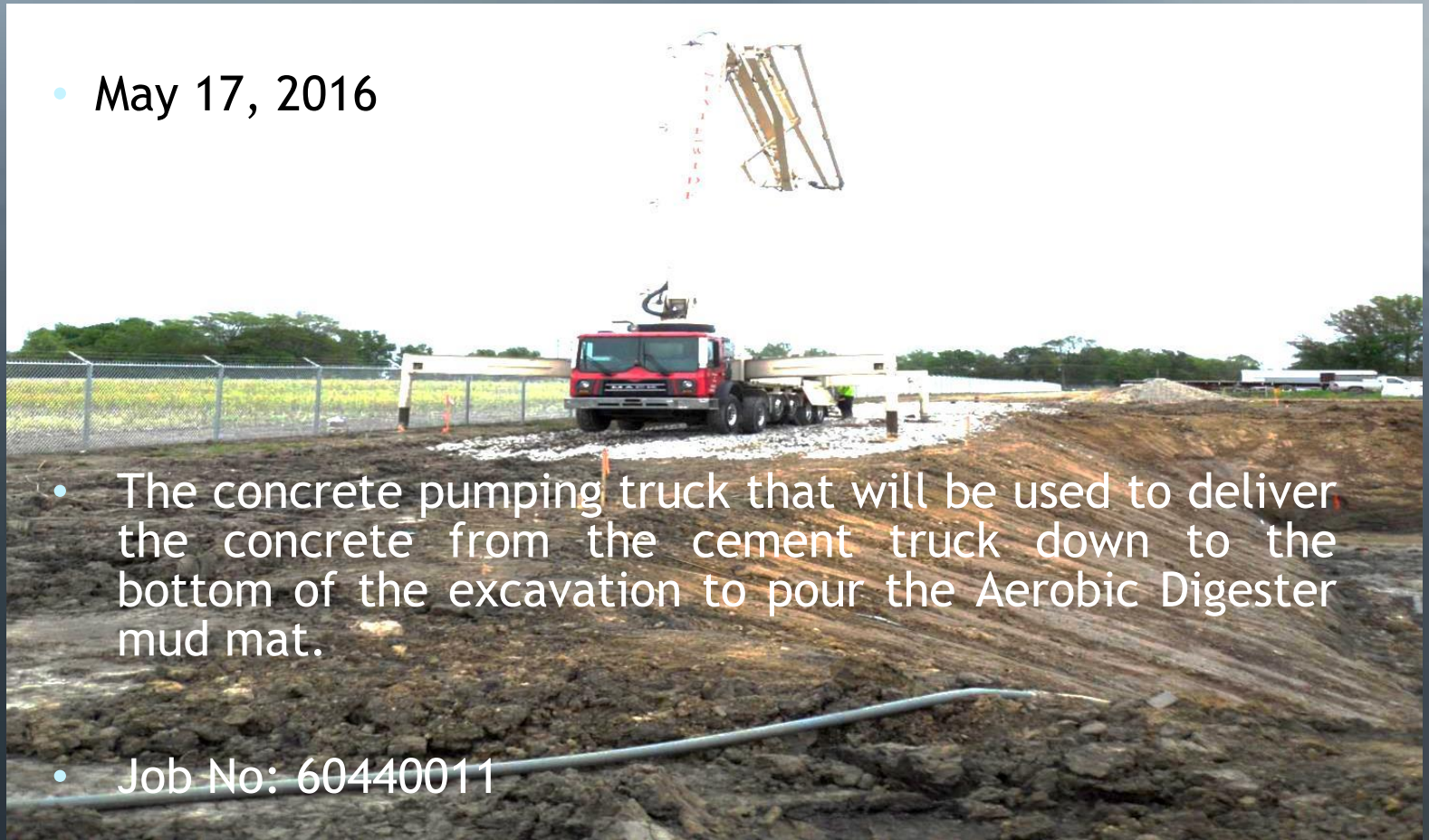
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos

- May 17, 2016



- The concrete pumping truck that will be used to deliver the concrete from the cement truck down to the bottom of the excavation to pour the Aerobic Digester mud mat.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 17, 2016

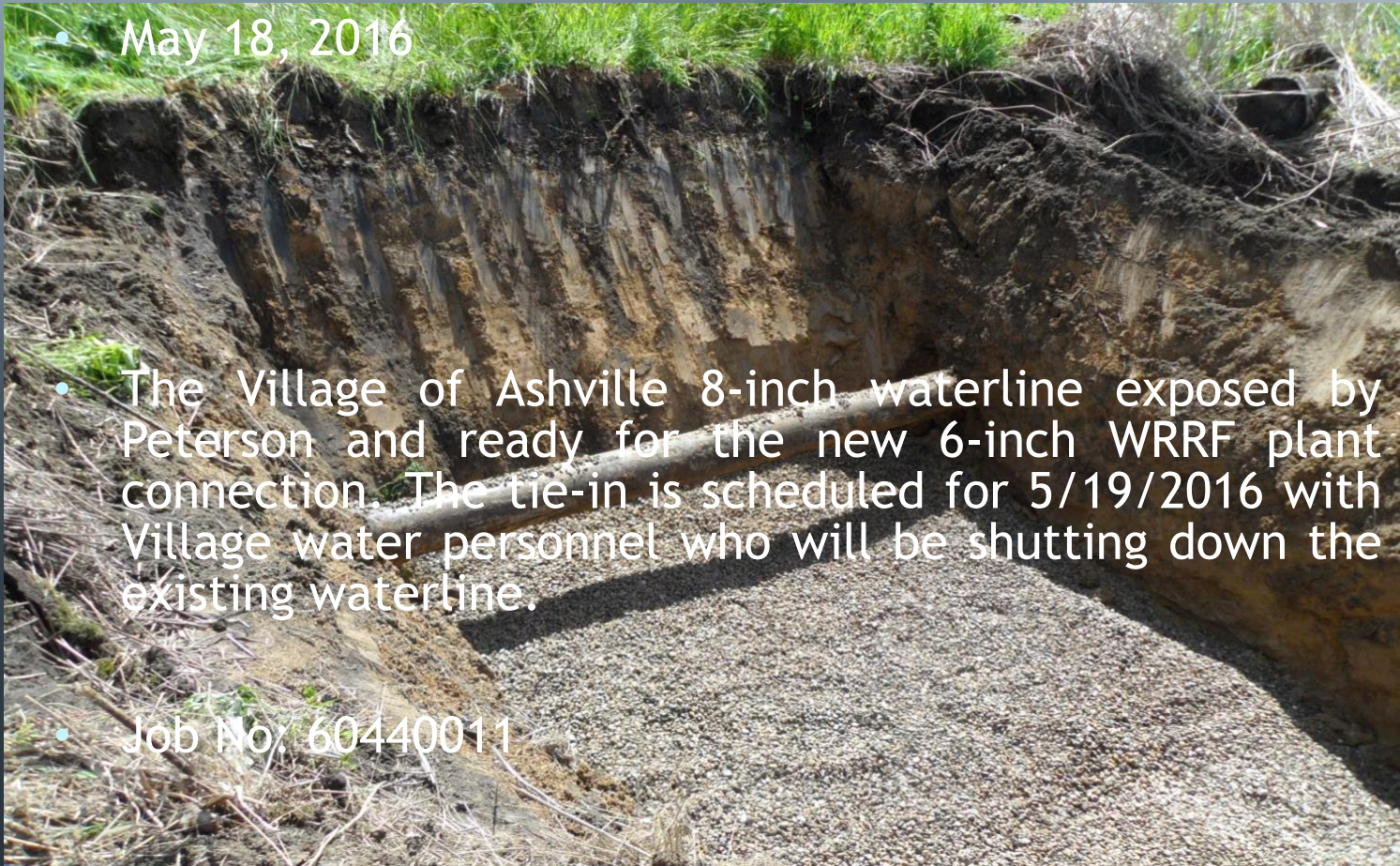
- The Aerobic Digester mud mat installation is complete. The mud mat required 108 cubic yards of 1500 psi concrete.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 18, 2016

- The Village of Ashville 8-inch waterline exposed by Peterson and ready for the new 6-inch WRRF plant connection. The tie-in is scheduled for 5/19/2016 with Village water personnel who will be shutting down the existing waterline.

- Job No. 60440011



# Ashville's WRRF Project



## Construction in Photos



- May 18, 2016
- The seven box outs being removed from the Post Air tank divider wall.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 18, 2016

- The UV/Post Air Influent section embeds and wall form installation.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 19, 2016

- The new 6 inch C900 DR14 waterline connection. The 8 inch MJ tee, 8 inch MJ sleeve and 6 inch MJ gate valve were all restrained using meg-a-lugs. Village water personnel indicated the normal working pressure at this location runs between 52 and 54 psi.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 19, 2016
- The UV/Post Air Influent section wall forms complete and ready for concrete.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



• May 20, 2016

• Progress continues on the new 6 inch C900 DR14 waterline. The valve shown is the watch valve for First Fire Hydrant. The two Fire Hydrants to be installed are on back order and will be installed at a later date.

• Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 20, 2016

- The start of the final set of wall forms and the 24-inch By-pass wall sleeve on the Post Air Tank.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 20, 2016
- Midwest Reinforcing starting the installation of the base slab rebar for the Aerobic Digester.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



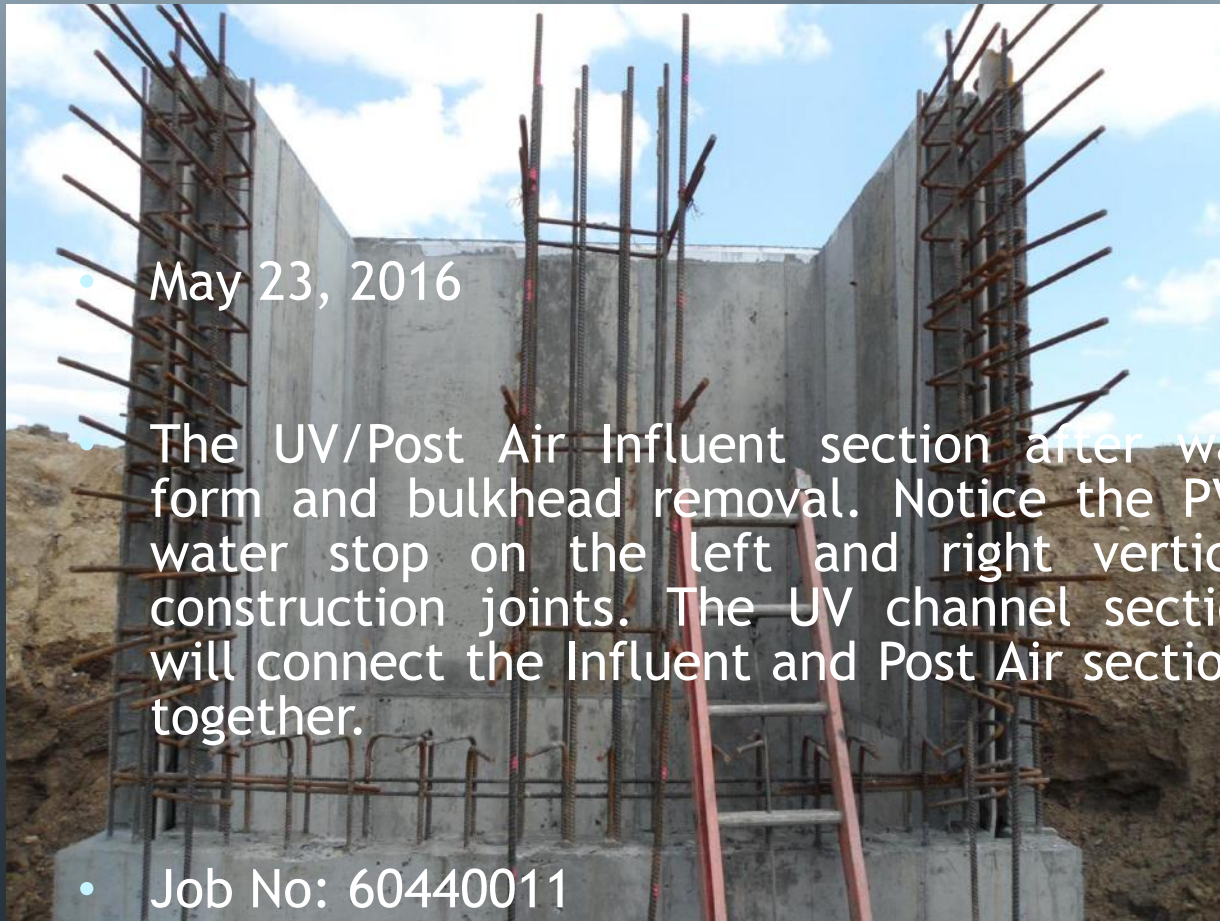
- May 23, 2016
- The final set of wall forms and bulkheads on the Post Air Tank. The UV section will be the next part to be installed and will connect the Post Air and Influent sections together.
- Job No: 60440011



# Ashville's WRRF Project



## Construction in Photos



- May 23, 2016

The UV/Post Air Influent section after wall form and bulkhead removal. Notice the PVC water stop on the left and right vertical construction joints. The UV channel section will connect the Influent and Post Air sections together.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 24, 2016
- Semi-trailer load of 4, 6 and 8-inch ductile iron pipe and miscellaneous fittings.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 24, 2016
- The last set of wall forms, bulkheads and embeds installed on the Post Air Tank.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos

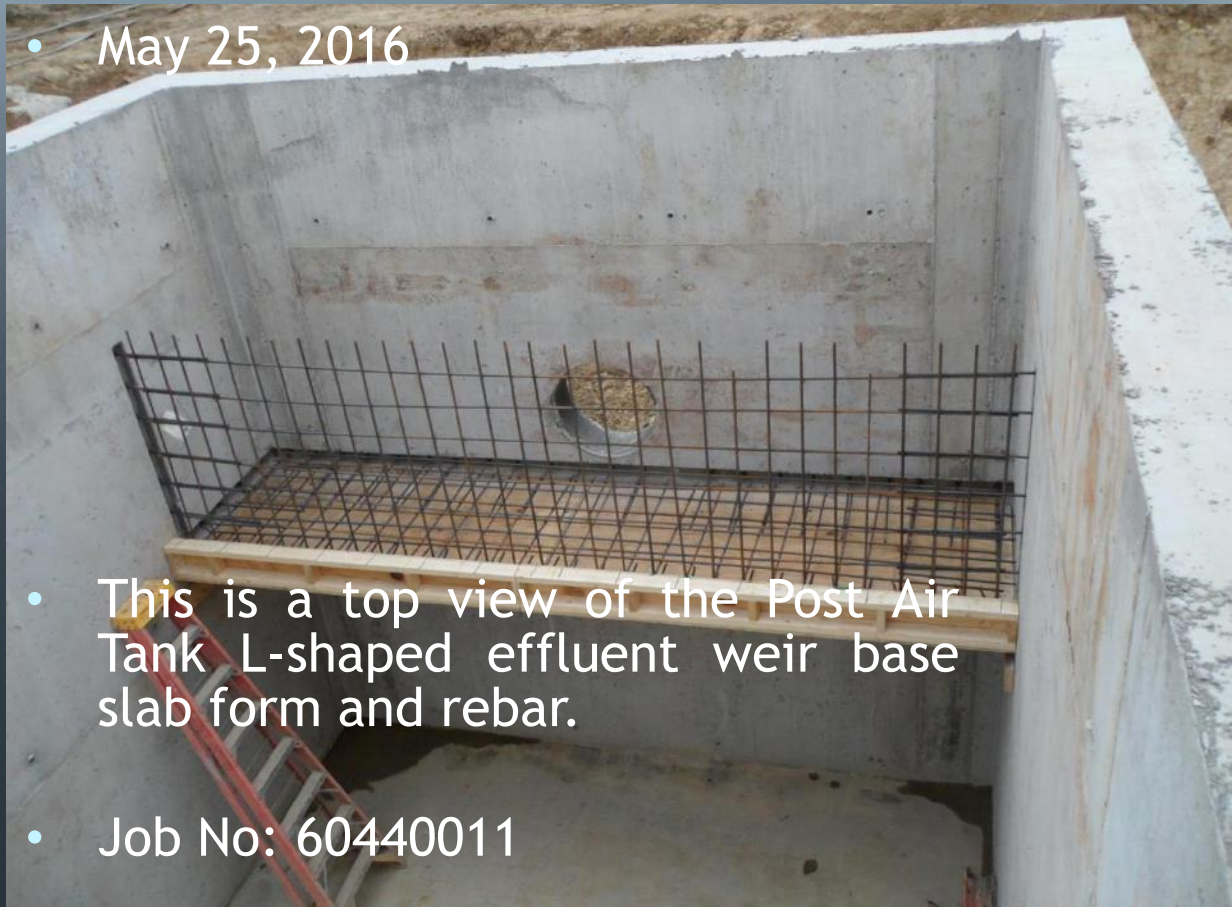


- May 24, 2016
- Peterson crew installed 220' of 6-inch C900 DR14 waterline and one 6" x 3" MJ Tee that will connect the future Headworks Building to the new waterline.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 25, 2016

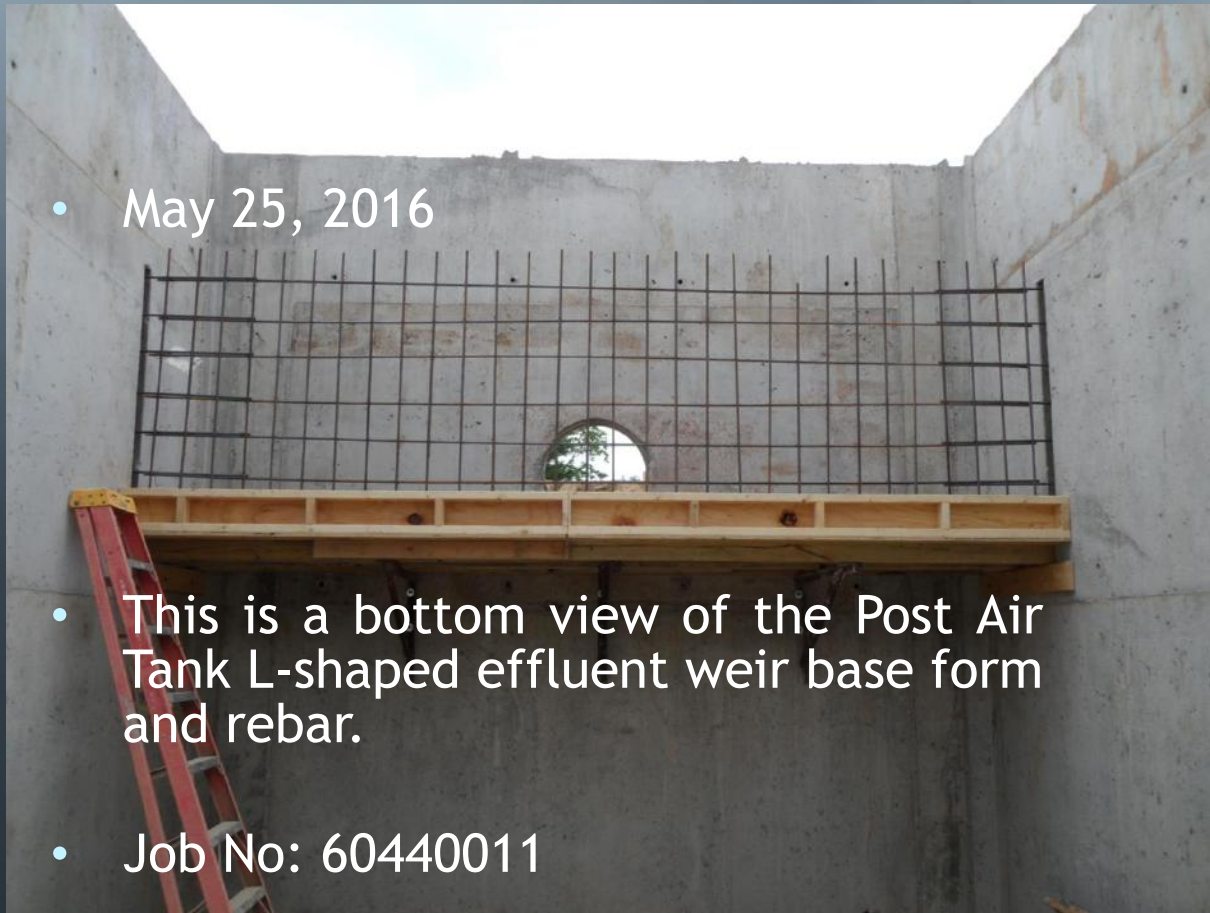
- This is a top view of the Post Air Tank L-shaped effluent weir base slab form and rebar.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 25, 2016

- This is a bottom view of the Post Air Tank L-shaped effluent weir base form and rebar.

- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 27, 2016
- The finished concrete base slab of the Post Air Tank L-shaped effluent weir.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 27, 2016
- The wall forms for the Post Air Tank L-shaped effluent weir.
- Job No: 60440011



# Ashville's WRRF Project



## Construction in Photos



• May 27, 2016

• The base slab rebar and the 2 x 4 templates supporting the wall dowels for the Aerobic Digester.

• Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 31, 2016
- The Post Air Tank effluent weir wall concrete pour complete and ready for form removal tomorrow.
- Job No: 60440011

# Ashville's WRRF Project



## Construction in Photos



- May 31, 2016

- Midwest Reinforcing started constructing the first Aerobic Digester wall rebar while the base slab concrete pour was under way.

- Job No: 60440011

# Ashville's Water Resource Recover Facility Project Planning Timeline 2015 - 17



3½ Year or 42 Months

## WRRF Plan Implementation

- a. 9 months submit detailed design plan (s) and a complete and approvable Permit to Install (PTI) application for the new WWTP, an application for an NPDES permit, and an anti-degradation addendum
  - Correct any deficiencies within 30 days of notification by letter from Ohio EPA
- b. 16 months commence construction of the new WWTP in accordance with the approved PTI
  - Within 7 days of commencing construction notify the CDO
- c. 40 months of the effective date of these Orders, Respondent shall complete construction of the new WWTP in accordance with the approved PTI;
  - Within 7 days of completing construction notify the CDO
- b. 60 days of completion of construction of the new WWTP, the WWTP shall attain operational level and shall meet the final effluent limitations in Respondent's NPDES permit;
  - Within 7 days of attain operational level and meet final effluent limitations notify the CDO

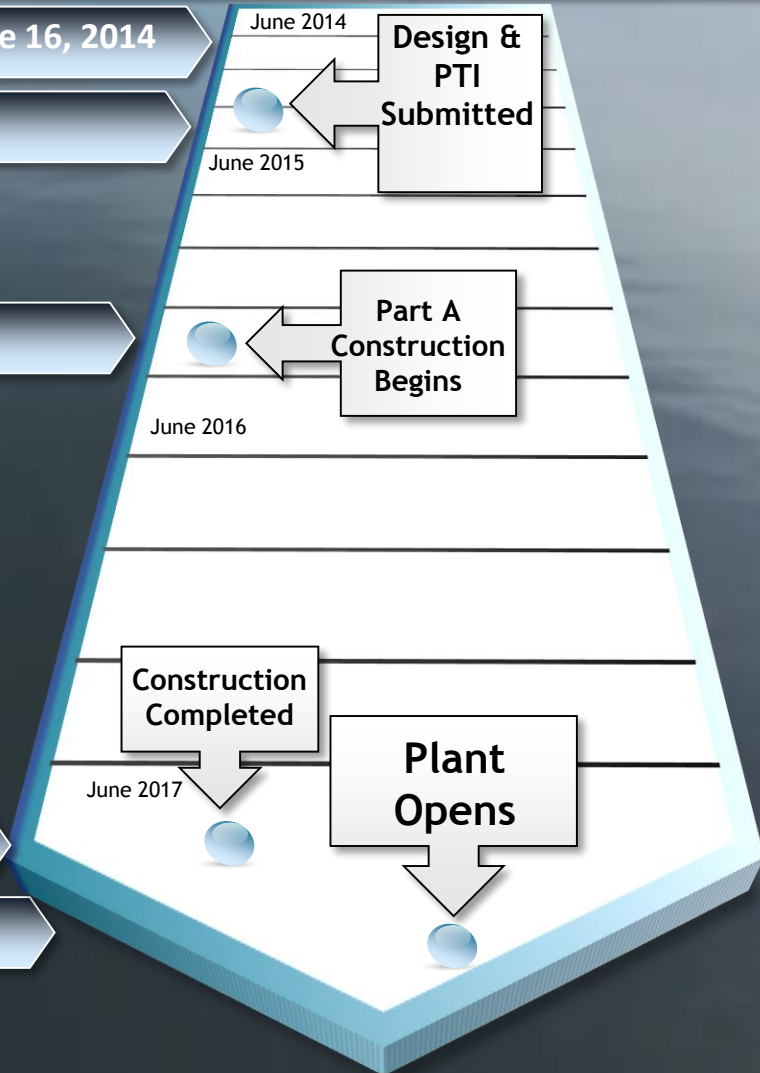
Timeline Begins June 16, 2014

March 4, 2015

March 21, 2016

Sep 16, 2017

Nov 15, 2017





Next Step Part B

**THANK YOU**

**ASHVILLE**   
Vision Statement