

Construction in Photos

Post Air/Ultraviolet (UV) Tank 2017

Water Resource Recovery Department

Village of Ashville

Ashville's Water Resource Recovery Facility

Part A - Job No: 60440011

Presentation Available on Line at:

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 Aerial Photo

From November 2016, April, May & June 2017

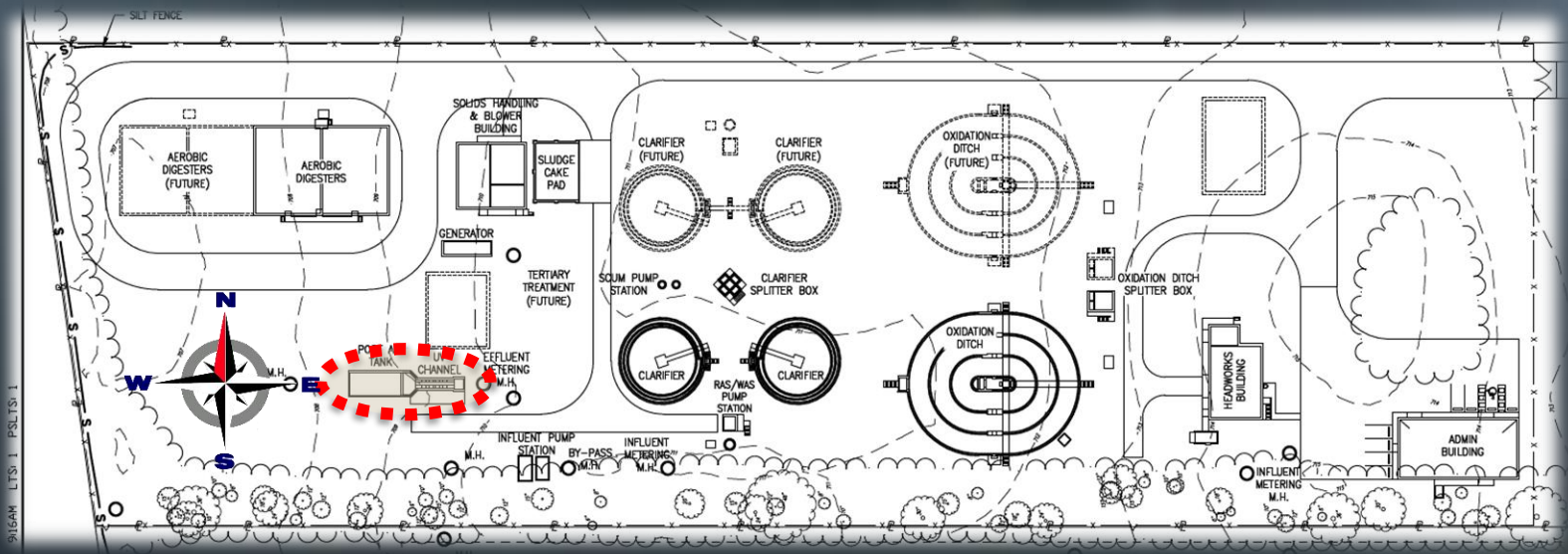


Ashville's WRRF Project



Construction in Photos

Air/Ultraviolet(UV) Tank & Channel
UV is an environmentally friendly alternative to chlorine disinfection and has no disinfection ... water flows through the system without need for holding tank or reaction times; More effective than ... Most ultraviolet water treatment systems require only an annual change of lamp.



Ashville's WRRF Project



Construction in Photos



- June 8, 2017
- Crew backfilling and compacting soil around the Post Air/UV tank as another crew install the concrete forms for the blower pad.

Ashville's WRRF Project



Construction in Photos



- June 9, 2017
- Crew installing the concrete forms for the maintenance pad at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos

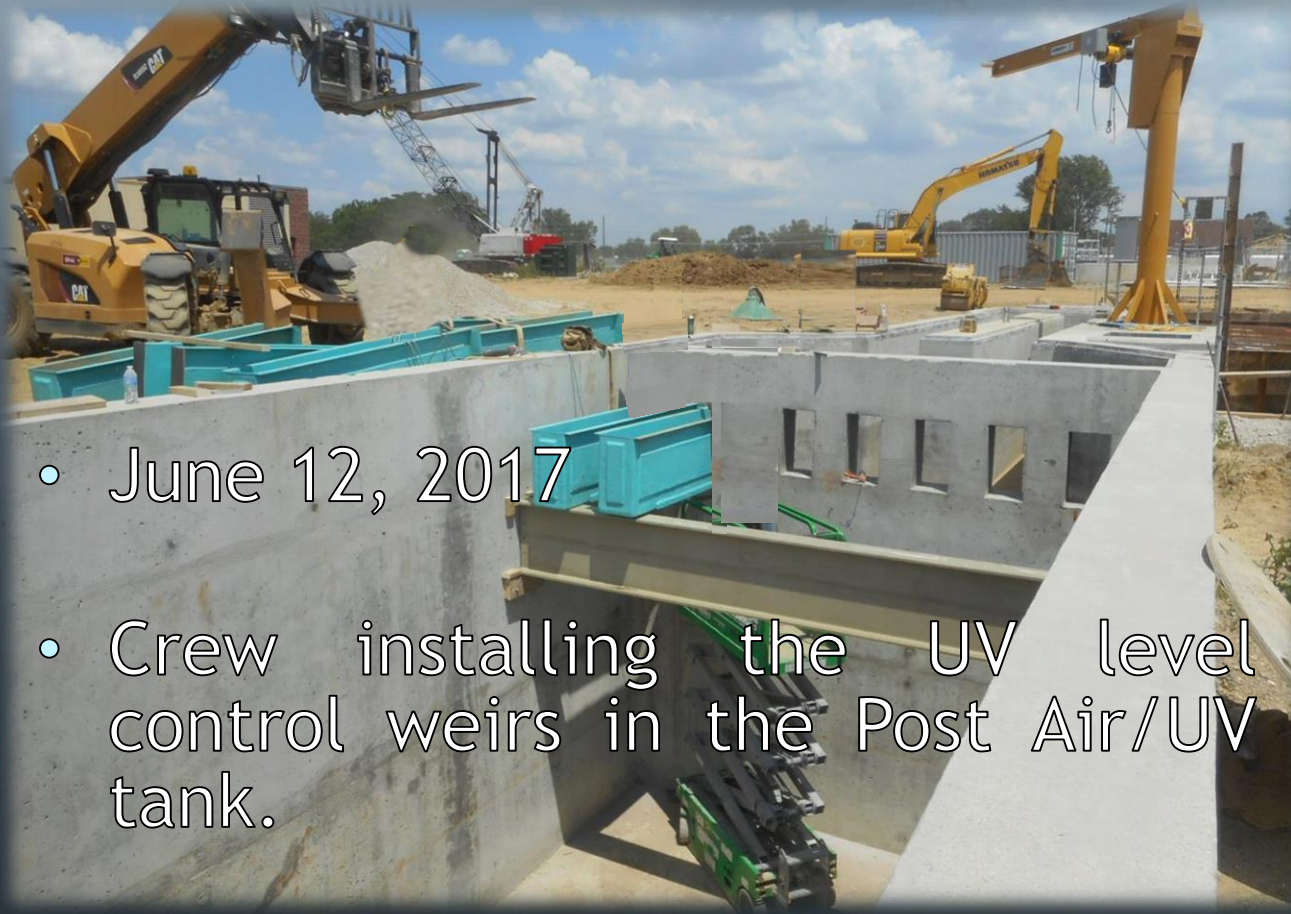


- June 12, 2017
- Midwest Reinforcing installing rebar for the maintenance pad at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 12, 2017
- Crew installing the UV level control weirs in the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 13, 2017
- Crew pouring 10 yards of 4500 psi w/air concrete for the maintenance pad and blower pad at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos

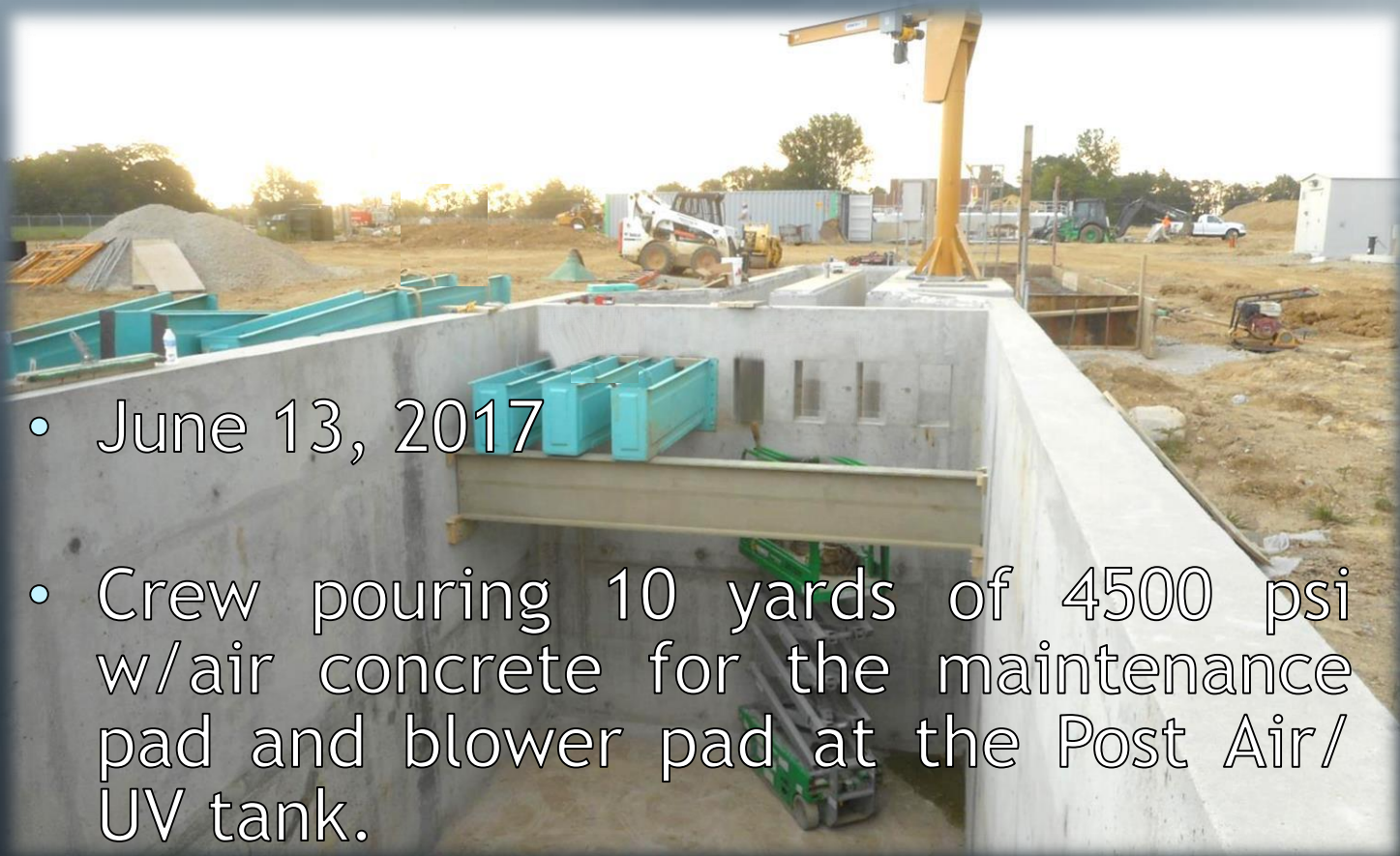


- June 13, 2017
- Crew continuing to install the UV level control weirs in the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 13, 2017
- Crew pouring 10 yards of 4500 psi w/air concrete for the maintenance pad and blower pad at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 14, 2017
- Crew stripped the concrete forms from the maintenance and blower pads and installing the mud valves in the UV channels at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 14, 2017
- Crew assembling the 5 slide gates that will be installed in the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



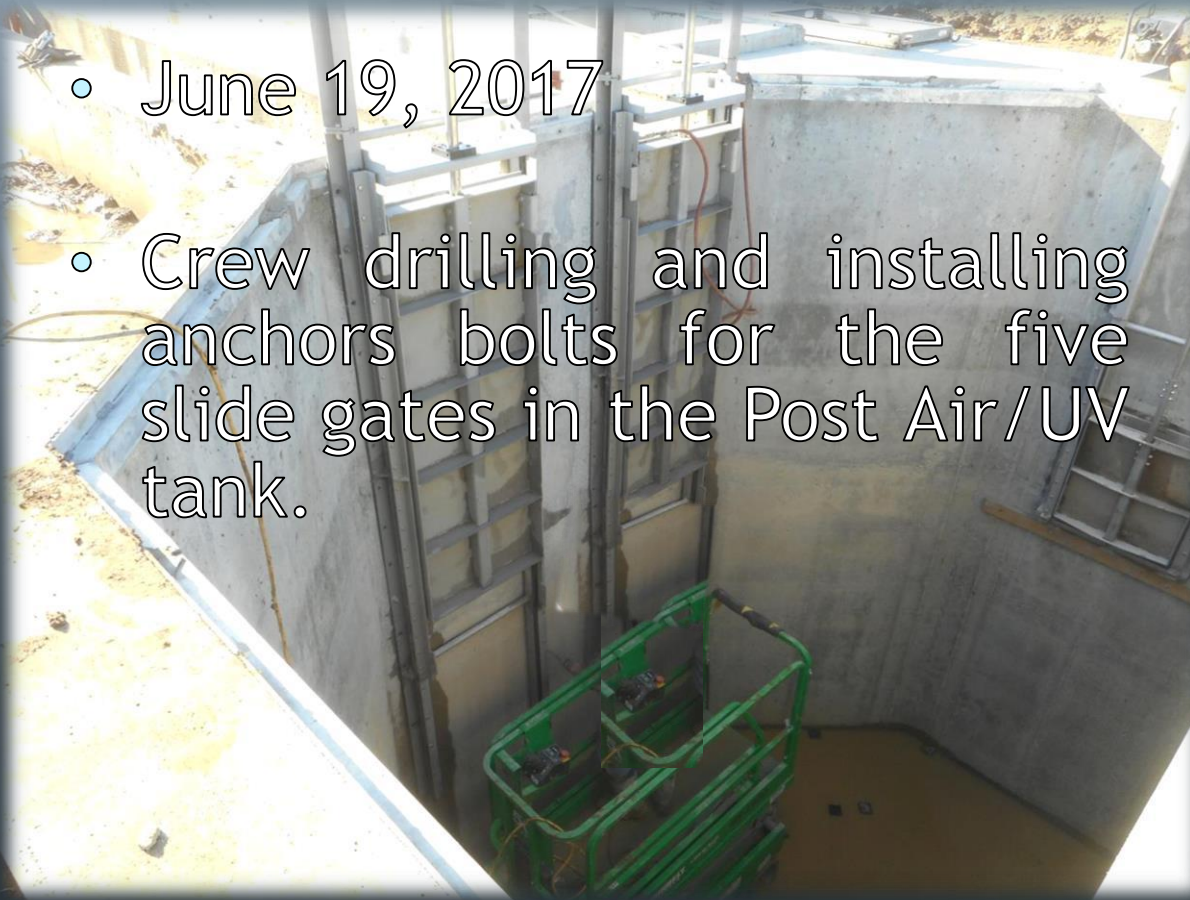
- June 16, 2017
- Crew installing the five slide gates in the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos

- June 19, 2017
- Crew drilling and installing anchors bolts for the five slide gates in the Post Air/UV tank.



Ashville's WRRF Project



Construction in Photos



- June 22, 2017

- Crew making adjustments and operating the five slide gates in the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 26, 2017
- Crew finished installing the Aluminum I-Beams that will support the grating for the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- June 28, 2017
- Crew installing the transformer and UV Control Panel at the Post Air / UV tank.

Ashville's WRRF Project



Construction in Photos



- June 29, 2017
- Crew installing the UV control panel and transformer at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- July 7, 2017
- Crew installing the aluminum handrail for the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- July 11, 2017
- Crew installing the 2" DR-9 non-potable waterline for the Yard Hydrant at the Post Air/UV tank.

Ashville's WRRF Project



Construction in Photos



- July 17, 2017
- Crew installing the UV shields for the UV modules in the channels of the UV/Post Air tank.

Ashville's WRRF Project



Construction in Photos



- July 31, 2017
- Different Crews working on getting the UV modules ready for an operation check.

Ashville's Water Resource Recover Facility Project Planning Timeline 2015 - 2017



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

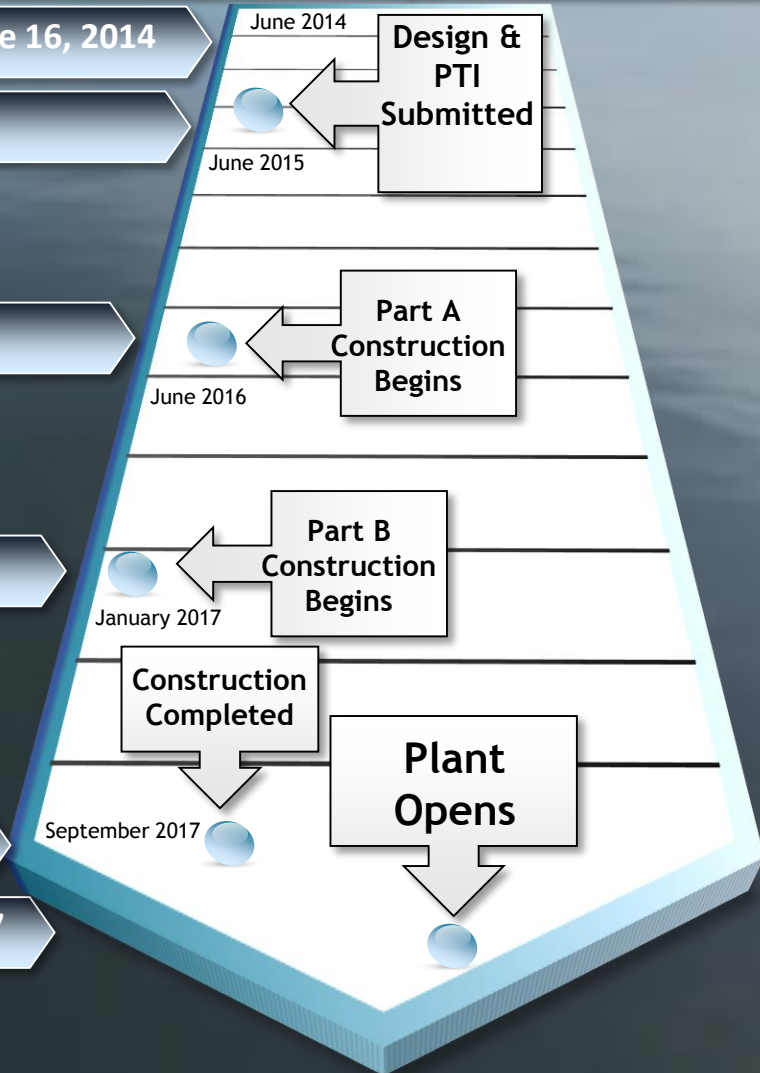
March 4, 2015

March 21, 2016

January 2, 2017

September 16, 2017

November 15, 2017





Next Step Part B

THANK YOU

ASHVILLE
Vision Statement