

2017 VILLAGE OF ASHVILLE 3^{RD} QUARTERLY F & O REPORT

Pickaway County 4PC00005

The Village of Ashville will report on the status of the items identified in the Findings and Orders in Quarterly Reports. The three areas covered include:

- Construction of new Water Resource Recovery Facility • (WRRF) in the orders listed as WWTP - Completed
- Create an Infiltration and Inflow (I & I) Plan •
- Special Environmental Projects (SEP) Completed •





September 2017

Franklin Christman, Village Administrator

SEP-Completed





In 2010, the Village of Ashville began the journey to replace the existing sanitary plant by selecting URS now AECOM as the Engineering Firm to evaluate and provide the Village Council and Mayor data about our existing facility and provide recommendations on how to proceed.



We look at upgrading, replacing, connecting to an existing facility, or moving to a new location. After extensive research a new location was selected and found. In 2014, the village was placed under the OhioEPA Director's Final Findings and Orders. Three (3) projects were in the Orders:

- Construction of a new Facility
- Infiltration and Inflow (I & I)
- Special Environmental Projects (SEP)



At the end of 2014 the Village of Ashville completed the SEP requirements. We obtained funding from OWDA, OPWC, and DEFA for the construction of the Water Resource Recovery Facility (WRRF). Land was found, purchased, and construction commenced. During the first part of October 2017 the operation of the facility began. By the reporting in this document 100% of the Village of Ashville sanitary waste is going to the WRRF. The next Quarterly Report will specify the fine tuning of the operation of the new facility.

With the completion of the WRRF the Utility Department can concentrate of the I & I Plan. While the WRRF is designed to expand, the work done of I & I will put that expansion further into the future. Therefore, I & I will be a continuous improvement process to enhance collection and to save dollars.

2017 VILLAGE OF ASHVILLE 3RD QUARTERLY F & O REPORT



Construction of new Water Resource Recovery Facility (WRRF)

The first section of this quarter report will deal with the status of the Water Resource Recovery Facility (WRRF). The first heading will discuss the design, permit, and bidding status. The second heading will deal with the status of obtaining funds for the WRRF. The third heading will be the Construction section when that began March 2016, see Figure Five.

PLANNING, DESIGN, PERMIT, AND BID, STATUS

The Planning, Design, and Permitting phase has been completed.

FINANCING STATUS

The majority of the funding for Part A and B is being manage through the Ohio Water Development Authority (OWDA). The \$13,871,722.75 loan for Part A is the Ohio Water Pollution Control Loan Fund (WPCLF) which was acquired with the help of the Division of Environmental & Financial Assistance (DEFA). This loan has interest terms of 0.48%. Land has been acquired and annexed into the Village of Ashville. Construction for Part A of the Water Resource Recovery Facility is underway.

Part B has funding from OPWC for \$500,000.00. The \$989,605.15 balance for Part B is from the Ohio Water Pollution Control Loan Fund (WPCLF) which was acquired through the Division of Environmental & Financial Assistance (DEFA).

- For Part A the facility a thirty year loan with the Ohio Water Pollution Control Loan Fund (WPCLF) through DEFA was approved for \$13,871,722.75 – See Figure 1.
- 2. For Part B Round 30 funding request to Ohio Public Works Commission (OPWC) was approved for \$500,000.00 at zero percent interest Loan/Grant CQ39T with a Request to Proceed approved, see Figure 2.
- 3. For Part B the balance is being requested from Ohio Water Pollution Control Loan Fund (WPCLF) was approved for \$1,064,085, See Figure 3.

3/10/2016 Ohio Water Development Author				olopment Authority		Figure One	
Ohio Water						i igui o oil	
Home -> Loan List	ority						
Ashville							
	Loan				ports	Other Re	
Description: New Purpose: Sew		Recovery Facility NRD			<u>ummary</u> ictions(Detail)	<u>All Transa</u>	actions
Account Number: 7256 EPA ID: CS3					<u>ment Detail</u> nfirmation	Form	າຣ
EFAID. CSS	90122-0010			Audit CO	miniation		
Loan Information						Amount	Loan
Funding Account Name Water Pollution Control Loan Fund					Interest Rate 0.48%	Financed + Interest \$13,871,722.75	Balance Outstanding \$0.00
Application Loan Disburs	ement Amortizat		nt Payment M	ay-Off ethod	0.48 %	\$13,671,722.75	30.00
Status Status Status Approved	Status NOT Com	Term Date plete 30 07/01/20	Date 18 01/01/2048 In:	stallment			
					Total:	\$13,871,722.75	\$0.00
Loan Contractor In	tormation						Undisbursed
Contractor ID Contractor Name A Peterson Constructio	n Co				Encumbered Amount \$11,580,000.00	Disbursed Amount \$0.00	Balance Amount \$11,580,000.00
CO <u>Contingencies</u> PL <u>Planning Loan</u>	<u>n co.</u>				\$644,480.00 \$957,646.75	\$0.00 \$0.00 \$0.00	\$644,480.00 \$957,646.75
TS <u>Technical Services</u> TS1 <u>Administration</u>					\$642,692.00 \$46,904.00	\$0.00 \$0.00 \$0.00	\$642,692.00 \$46,904.00
				Total:	\$13,871,722.75	\$0.00	\$13,871,722.75
						Figure Tw	0
						115010 1 1	v
APPENDIX E - D		VORKS COMMISSION REQUEST FORM AND			Ohio Public Works	Ohio Public Works Commission	ns LTIP
		DISBURSEN	MENT REQUEST N	UMBER:	For You	Request To Procee	d Emergency Small Government
Statement requesting the disbursement of f	unds from the OPW	C pursuant to Section VI	of the Project Agreen	nent (the "Agreem	icht >	surce Recovery Facility Improve	OPWC Project# C 039T
executed between the Director of the Ohio Pickaway County (the "Recipient"), dated	Public Works Con	mission (the "Director")	and The Village of	Ashville, (129-02	680 g Contact: Franklin Christma	in, Village Administrator Iohio.gov	Date: 10/26/2016 Phone: (740) 207-1842
defined and described in Appendix A of the Improve, CQ39T (LOAN).					1. Flood Damage Reduction St	Indards (for projects involving construction or enhancements or approval from ODNR must be issued for this project if it is is within a 100 year floodobin?	n a 100 waar Boodolain
					Does this applicant pa If Yes, attach a If No, attach a	Within a 100 year floodplain? View of the second se	is 🔲 No Flood Insurance Program have been met.
EXPENDITURES PROGRESS:	(1)	(2)	(3)	(4)	2. Water Supply Project - Attack	mont Chocklist pproval Letter	
	AS PER AGREEMENT	PAID PRIOR TO THIS DRAW	AS PART OF THIS DRAW	PAID TO DAT (Column 2 +		dule	
 A) Project Engineering Costs 1) Preliminary Engineering 	\$0	\$	\$	\$	4. Vendor Designation	Contractor Supplier Consultant	Check if MBE
 Final Design Construction Administration 	50 50	\$ \$	\$ \$	\$ \$	Address: 177 Twp Rd 191	nc.	Federal Tax ID: 31-1451322
B) Right-of-Way C) Construction Costs	\$0 \$1,553,691	s	\$ \$	\$\$	City: Kitts Hill Contact: Josh Fields	State: OH 71p: 45645 Phone: (740) 532-1780	-
 D) Materials Purchased Directly E) Permits, Advertising, Legal 	\$0 \$0	s	ss	\$ \$		er lines from and to WRRF from current facility 1 Date: <u>12/13/2016</u> Estimated Completion Dat	Contract Amount: \$1,489,605.15 e: 12/13/2017
F) Construction Contingencies	S0	\$N/A	\$N/A	\$N/A		orized Signature: Fundhin Char	Date: October 26,2016
G) Totals	\$1,553,691	s	\$	s	Peterm form and attachme one of the following methor (original not required)	ntsto OPWC by Meil Ohio Rublic Works Commission, 65 ds Email The appropriate Program Represen FAX 514 455 4554	E Bate Street, Suite 312, Columbus, Ohio 43215 Native
					For OPWC Use Only Notice to Preceed	Request for Change Moles	
FINANCING PROGRESS:	(1) AS PER	(2) USED PRIOR	(3) AS PART OF	(4) USED TO DAT	_	Approved Disapproved	
	AGREEMENT	TO THIS DRAW	THIS DRAW	(Column 2 +)	Authorized Signature:	Date:	
H) OPWC Funds	\$500,000	\$	S	\$	Form OPWC0803 Rev. 8.12		
 Local Share In-kind Contributions 	\$0	s	\$	2	OHIO PUBLIC WORKS	State of Ohio	
2) Public Revenues 3) Private Revenues	\$0 \$0	s	s	\$	Infrastructure Program	PUBLIC WORKS COMMI mall Government Program	Green Space Conservation Program
,	30	۵	۷	¢	DPWD to longer uses the US M	Approved Requests To Proceed bit to issue Natice to Proceed in response to Request to Proceed. This inform posting before Approved EUT's are failed in order by the most recent activity results in postal for rank year.	nation is now provided through emailed To search for an approval, mask browsey
J) Other Public Revenues 1) ODOT/FHWA	\$0	\$	\$	\$		posting before Approved as in a set panel in a rate by the most recent access and the approximation a postal for one year.	
2) OEPA 3) OWDA	\$1,053,691 \$0	\$\$	\$ \$	\$ \$		11/01/2016 3F 01 is a Company 5,191,350 11/01/2016 Sware-the Contracting Ist. 31,312 11/01/2016 area billion 110 114-220	
4) CDBG 5) Other	\$0 \$0	\$\$	\$ \$	\$\$	(1628) (1451	11/91/2016 McBaniel Declete Inc. 73,209 11/91/2016 Pagewayer Declar Group 17,909	
K) Total Local and Other Public Revenu		\$	\$	\$	00119 00117 00111 00111 00111	10/12/10/6 Arcado U Jac 43,000 10/12/10/6 Arcado U Jac 43,000 10/12/10/6 Arcado U Jac 43,000 10/12/10/6 Arcado U Jac 4,000 10/12/10/6 Bread & Breado U Jac 4,000 10/12/10/6 Bread & Breado U Jac 4,000 10/12/10/6 Bored & Breado U Jac 5,000 10/12/10/6 Bored & Francouring U/C 56,000 10/12/10/6 Bored & Francouring U/C 56,000	
L) Totals (H+K for each column)	\$1,553,691	\$	\$	s	CT30 SKT07 C155 C155 C157	BAD (2006) BALLAN CANNERS & PRANKE Desc, 166 BAD (2016) BALLAN CANNERS (2016) BALLAN CANNERS BALLAN CANNERS BAD (2016) BALLAN CANNERS (2016) BALLAN CANNERS BALLAN CANNERS BAD (2016) BALLAN CANNERS (2016) BALLAN CANNERS BALLAN CANNERS BAD (2016) BALLAN CANNERS (2016) BALLAN CANNERS BALLAN CANNERS BAD (2016) BALLAN CANNERS BALLAN CANNERS TANKER BAD (2016) BALLAN CANNERS TANKER (2016) TANKER BAD (2017) BALLAN CANNERS BALLAN CANNERS TANKER BAD (2016) BALLAN CANNERS BALLAN CANNERS TANKER BAD (2017) BALLAN CANNERS BALLAN CANNERS TANKER SANKERS BAD (2017) BALLAN CANNERS BALLAN CANNERS BALLAN CANNERS	
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Ohio Environmental Protection Agency

Division of Environmental & Financial Assistance 50 West Town Street, Suite 700, Columbus, Ohio 43215 Ph: (614) 644-2798 Fx: (614) 644-3687 www.epa.ohio.gov/defa

			www.epa.ohio	<u>.gov/defa</u>				
	Water Pol	ution Cont	rol Loan Fund (WPCLF) S	EWERED C	CONSTRUCT	ION APPLICATION		
			Community In	formation				
Project Name		V	illage of Ashville, Ohio San	itary Sewer	Improvement	s 2016 (Part B)		
Entity (Village,	City or County							
ddress		200 Station Street East						
City		Ashville , Ohio Zip 43103						
uthorized Rep	presentative		Franklin Christman		Title	Village Administrator		
elephone			740-983-7132		Fax	740-983-7132		
mail			fchristm	an@ashville	ohio.gov			
ommunity (D	UNS) #			418	58922			
	gineer Name o	f Firm			AECOM			
Engineering Co				Matthew N	oelker, P.E.			
elephone		614-600-5980			Fax 614-464-0588			
Imail				noelker@ae				
	1		Project					
			Loan Terms: (max. of 20		Expected Lo	ban		
Constructi	on Project	×	yrs)	30	Award Date			
			Project Des					
	Please	provide a na	arrative describing the proje	ect. Attach a	additional pag	ges if necessary.		
			Project Fin	ancing				
VPCLF Loan	Amount			0		\$989,605.15		
ocal Share								
	evelopment Au	thority		(OWE				
	orks Commissi					\$500,000.00		
				(CDBG)				
Community Development Block Grant USEPA State and Tribal Assistance Grant				(STA				
Appalachian Regional Commission				(ARC)				
Other (Specify	-				- /			
Other (Specify)								
otal Project						\$1,489,605.15		
otarroject						Page 1		
Home -> Loan List	nt Authority							
Description: Eff	luent Sewer and Force Main	Loan			ports Summary	Other Reports All Transactions		
Purpose: Sewer Account Number: 7546					actions(Detail) ment Detail	Forms		
Account Number: 7546 EPA ID: CS390122-0011					Infirmation	Disbursement Request		
Loan Informat	tion					Amount		
Funding Account Name						Amount Loan Interest Financed Balance Rate + Interest Outstanding		
Water Pollution Control	Loan Fund	zation	First Payment Last Payment Pay-Off Date Date Method			1.14% \$1,064,171.35 \$560,792.46		
Application Loa Status Sta Approved Ope		Term omplete 30	Date Date Method 01/01/2019 07/01/2048 Installment					
						Total: \$1,064,171.35 \$560,792.46		
Loan Contrac	tor Information							
Contractor						Undisbursed Encumbered Disbursed Balance Amount Amount Amount		
ID Contractor A Fields Exca	vating, Inc.					\$989,605.15 \$560,706.52 \$428,898.63		
CO Contingent TS <u>Technical S</u>						\$74,480.26 \$0.00 \$0.00 \$0.00 \$0.00		
					T	fotal: \$1,064,085.41 \$560,706.52 \$503,378.89		

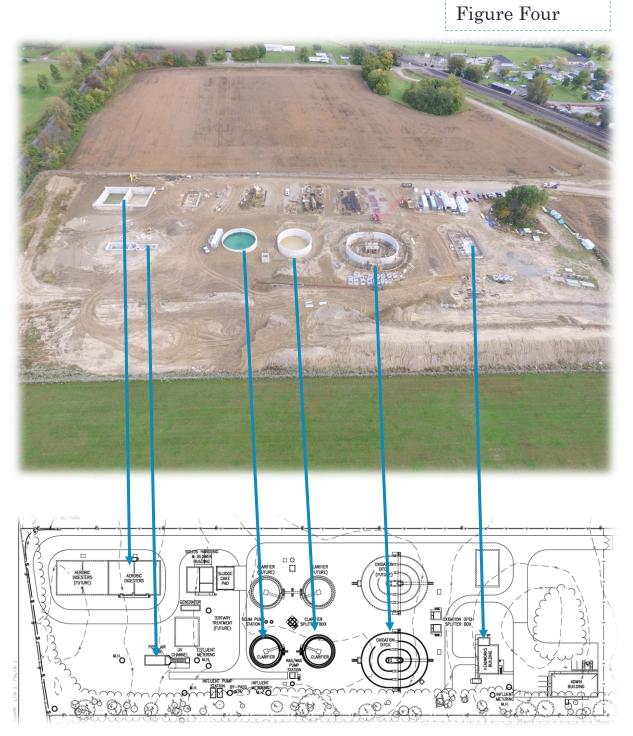
Home -> Loan List

All of the above applications and support material can be found on the webpage for this project: <u>http://www.ashvilleohio.gov/index.php/water-resource-recovery-</u> facility

CONSTRUCTION STATUS

Part A Construction:

Peterson Construction started construction on March 21, 2016. Progress has been made on the site, see Figure Four.

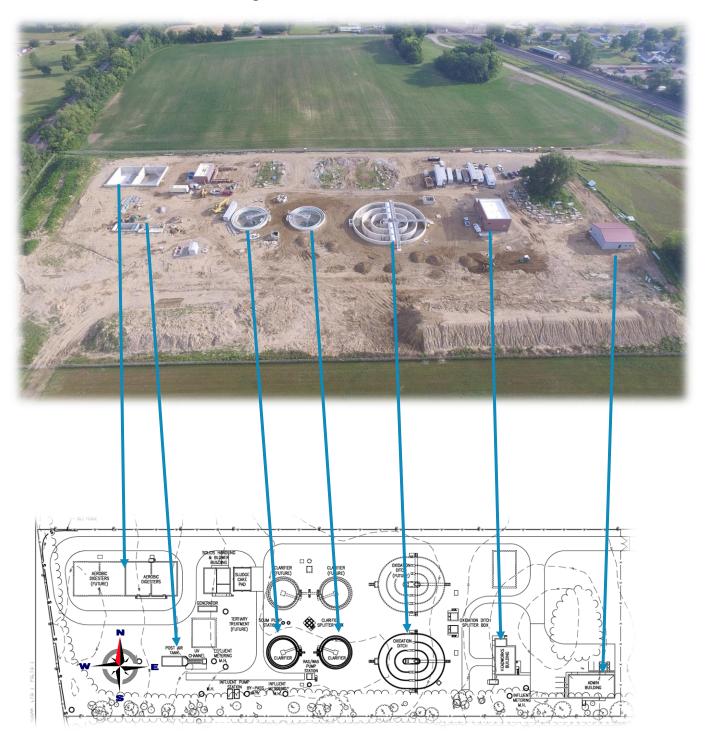


CONSTRUCTION STATUS

Part A Construction:

Figure Four Continued

Peterson Construction started construction on June 22, 2017. Progress has been made on the site, see Figure Four.



CONSTRUCTION STATUS

Figure Four Continued

7/31/2017

Part A Construction:

Peterson Construction started construction on March 21, 2016. The aerial view is from late September. The week of October 2, 2017 various portion of the facility were place in operation. By Friday, October 6th half the village, south of Station Street was being feed into the facility. The Force Main was place in service and by Monday October 9th all areas of the village were going to the WRRF.

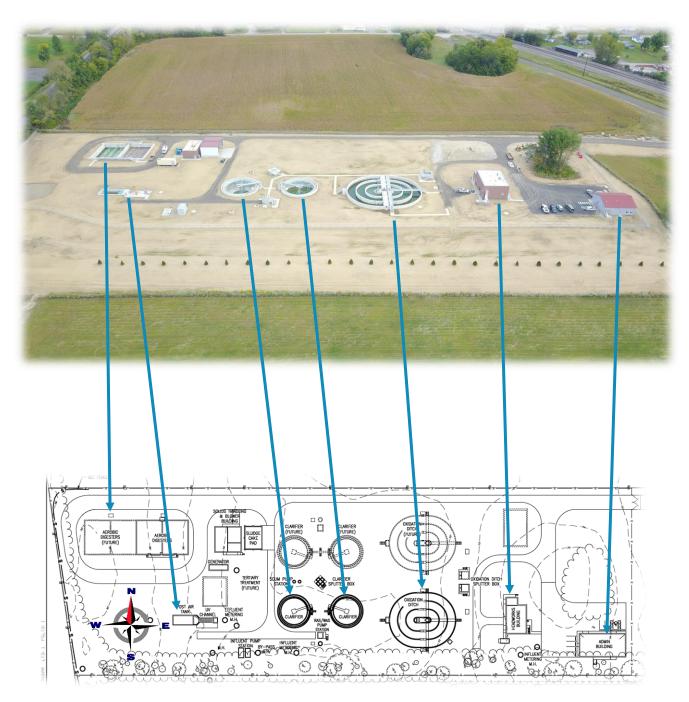


Figure Four Continued

The thirty (30) images are of PowerPoint Presentations on Part A to Village Council. They can be found on the project webpage: <u>http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility</u>. Additional slides by process can be viewed documenting the construction progress through the end of September 2017.



Administration Building Outside in June



Administration Building Inside in June



Headworks Building Outside in June



Administration Building Outside in September



Administration Building Inside in September



Headworks Building Outside in September



Headworks Building Inside in June



Headworks Building Inside in September



Oxidation Ditch in June



Clarifier Splitter in June 2017



Oxidation Ditch in September



Clarifier Splitter in July 2017



Clarifier East in June 2017



Clarifier East in August 2017



Clarifier West in June 2017



RAS/WAS Pump Station Vault in June 2017



Clarifier West in September 2017



RAS/WAS Pump Station Vault in June 2017



Aerobic Digester in June 2017



Solids Handling Building Inside June 2017



Site Drainage Early September 2017



Aerobic Digester in September 2017



Solids Handling Building Outside August 2017



Site Drainage Later September 2017



Solids Handling Building Outside June 2017



Solids Handling Building Outside August 2017



Sludge Storage Building Outside June 2017



Post Air/Ultraviolet (UV) Tank June 2017



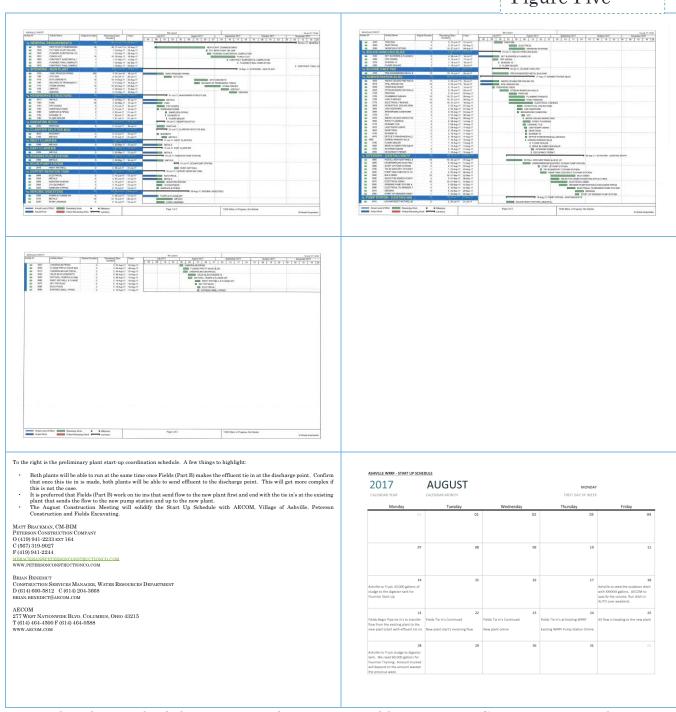
Sludge Storage Building September 2017



Post Air/Ultraviolet (UV) Tank Late June 2017

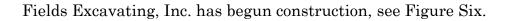
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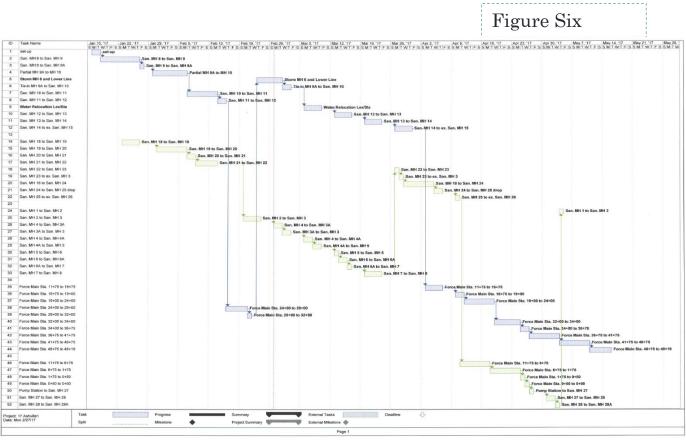
7/31/2017 Peterson Construction started construction on March 21, 2016. During the Monthly Construction Meeting progress is reviewed and reflected in the updated Peterson Schedule, see Figure Five. Figure Five



The above schedule was an update presented by Peterson Construction at the July 2017 monthly construction meeting and through email communication.

Part B Construction:





Water Resource Recovery Facility Part B Schedule



Figure Seven Continued 7/31/2017

The six (6) pdf's below of a PowerPoint Presentation on Part B to Village Council can be found on the project webpage: <u>http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility</u>. An additional 65 slides can be view documenting the construction progress through the end of March 2017.



The above images represents clean-up work being done by Field's Excavating for Part B of this Project. Final work for Part B will be collaboration with Part A tie-in.

WATER RESOURCE RECOVERY FACILITY WEBPAGE

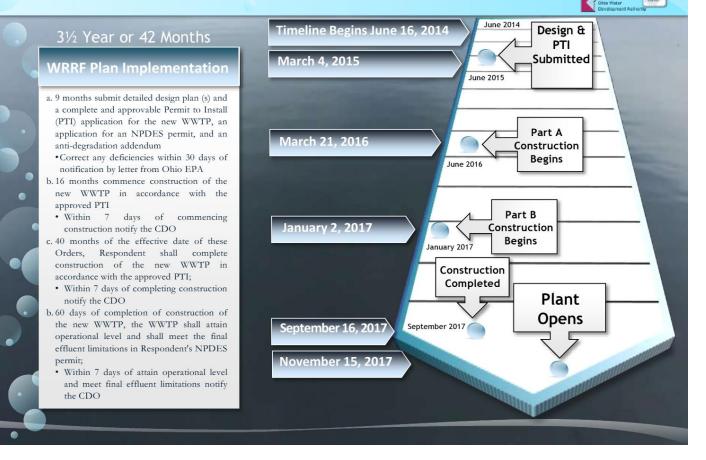
This webpage can be accessed at <u>www.ashvilleohio.gov</u>. On the home page you click on the logo that was designed for this project, see image to the right. That page will inform the residents on the status of this project. Figure Eight represents the WRRF Project Home Webpage You can assess through the



Figure Eight

indicated logo or http://www.ashvilleohio.gov/index.php/water-resource-recovery-facility

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



We have revised the Project Webpage to make it easier to navigate. On the top right corner we have added "page-breaks", see Figure Nine. The objective of transparency resulted in so much material on one page. Therefore that page has been divided it into categories. These categories will make it easier to find information.

		Figure Nine				
Water Resource Recovery ×						
→ C ☆ ③ www.ashvilleohio.gov/	index.php/water-resource-recovery-facility	Q 9 🛧 🥥				
Apps 📴 New folder 🔓 Google						
Water Reso	ource Recovery Facility					
Page 1 of 11		⊖ ∞				
RESOURCE RECO	This page is established to provide you information on this project.					
AECOM	page updated April 24, 2017 >> photos on Part A & B progress	Water Resource Recovery Facility				
	page updated April 14, 2017 >> Part A Schedule	The construction of the WRRF in Pictures Construction Photos for Part A Construction Process from Bidding to Construction for Part B Part B in Photos				
Che Water Development Adherty	page updated February 17, 2017 >> Part B					
	page updated February 17, 2017 >> Timeline					
	page updated Novmeber 16, 2016 >> Loan Documents					
	page updated November 2, 2016 >> Bid Documents	Construction Process from Bidding to Construction for Part A				
page updated October 7, 201	6 >> Pre-bid Agenda	WRRF EA and FONSI				
page updated August 25, 2016 >> Construction Schedule		Property Acquisition				
page updated August 4, 2016 >> OWPC Loan Contract and Information		Ohio EPA Director's Final Finding and Orders Quarterly Report				
page updated October 10, 20	016 >> Construction Photos	OWDA, DEFA, WPCLF, and OPWC Loan Information				
page updated April 12, 2016 >	> DEFA Loan Documents	URS and AECOM Information				
By clicking on mo items indicated.	any of the images below you can access pdfs of the	All Pages				

2017 VILLAGE OF ASHVILLE 3RD QUARTERLY F & O REPORT



Infiltration and Inflow (I & I) Reduction Plan

The second section of this quarterly report will deal with the status of I & I. The first heading will discuss the work being done on the I & I Reduction Plan Procedure Manual and the I & I Tool Box. The second heading will deal with the funding for an I & I Program.

INFILTRATION AND INFLOW (I & I) PLAN IMPLEMENTATION

In the last three quarterly reports there was a focus on the I & I Reduction Plan which included an I & I Tool Box. That plan included monitoring "Metersheds" from that metering the Village has decided to contract with Hunt Engineering to LLC to do the following for Beaver Alley:

Scope of Services

- 1. Develop cost analysis of feasible alternatives for inflow and infiltration mitigation in the Village of Ashville gravity wastewater collection system of the sewerage serving the east side of East Street and the west side of Walnut Street from the northern terminal end at Station Street to the southern extent of the south flow direction to Church Street. Alternatives will be developed by evaluation of existing conditions from data and information collected by the Village.
- 2. Design and prepare professional engineering drawings of the proposed mitigation strategy for the inflow and infiltration repairs/replacement of the Village of Ashville collection system in the above referenced section of the system. Survey data for design plans will be based on original contract drawings of the system unless they cannot be located. If a professional survey of the alignment is required due to the lack of existing plans, an additional fee will be required as specified below.
- 3. Draft contractor specifications for use in bid documents for public bidding of repair/replacement project.
- 4. Coordinate with Ohio EPA regarding the mitigation measures chosen and complete any required Permit-to-Install or Plan Review application for Ohio EPA approval for this project as necessary.



The intent with the Scope of Service of Hunt Engineering would be to completely evaluate the connections to the storm and sanitary lines in Beaver Alley. This includes mains and laterals. The main will be completely rehabilitated. At the same time any problem outside the main that is identified will be corrected. Mr. Hunt has begun survey and evaluation of the Beaver Alley storm and sanitary lines. We expect a recommendation from him by the next quarterly report.

While the Beaver Alley Project is designed and completed another line for rehabilitation will be identified to move forward within the I & I Reduction Plan Manuel and Toole Box.



Another Alley that the Utility Department has begun working on I & I involves Griffith Alley, see above Map. It has been videoed and a plan to remove identified areas of I & I are being formulated and implemented. Exact actions will be included in future Quarterly Reports.

FINANCING STATUS

There are two internal funding sources for I & I. First the Village has created in their Appropriation Budget an I & I Fund Account 34¢ for every 1000 gallons of water used will go exclusively to I & I Reduction. The effect of this can be seen in the Revenue Status Report through October 2016, see Figure Nine. The I & I account generated \$102,161.25 in revenue, The second source of funding will be an existing Stormwater Fund and through October 2016 that fund collected \$70,767.40, see Figure Nine. The two funding sources will be used to establish a \$50,000 per year appropriation budget for I & I. Some of this will be directly used. Another portion will be used as seed money for Grants and Loans.

The Quality Monitor "Dashboard" is still being developed in Excel to quantify this process. This Dashboard will be used to measure how much is spent in relationship to how affective the I & I intervention has been.

I & I REDUCTION WEBPAGE

Since that Plan and Tool Box is already submitted this quarterly report will not repeat that entire plan. The entire Plan and Tool Box can be accessed at <u>www.ashvilleohio.gov</u>. On the home page you click on the logo that was designed for the Plan, see above. That page will inform the residents the status of the project. As the Beaver Alley Project moves forward it will be added as a Project Webpage. All the items above can be found on this webpage by clicking on the following icon.

