

From Ruins to Reclamation

The Fairfax Mill Story

Florida/Alabama Brownfield Conference

April 23, 2022











FROM HISTORIC FAIRFAX MILL

VALLEY, ALABAMA

https://www.youtube.com/watch?v=dp58z2FKUIM

https://www.youtube.com/watch?v=0D6v4MK1Hll

Fairfax Mill Village August 23rd, 2015 A Barr





























The City Takes Charge....

- Purchases site in 2018
- Conducts environmental assessments
- Asbestos and lead-based paint found in some of the materials





The City Takes Charge....

- Purchases site in 2018
- Conducts environmental assessments
- Asbestos and lead-based paint found in some of the materials
- Petroleum-impacted soil in former oil storage area
- Former cooling pond filled with debris
- Begins limited segregation of metal/wood

City Seeks EPA Brownfields Cleanup Grant



- \$500,000, plus 20% city cost share
- Remove demolition rubble
- Remove petroleum-impacted soils in former oil storage area
- Remove pond



CHALLENGES



How do you sample/characterize this?

What do you do with the rubble-filled pond water?

How do you estimate costs for such a cleanup for the brownfield cleanup grant application?



ABCA



How Much Rubble?



Piles fron	Drawing	
Area ID	No Samples	CY (median)
A1	1	62
A2	3	439
A3	1	41
A4	1	48
A5	1	107
A6	1	4
A7	2	219
A8	1	10
A9	1	84
A10		37
11		469
6		10
A13	1	115
A14	1	44
A15	1	106
A16	1	37
A17	1	a 11

Big-Picture Cleanup Alternatives in ABCA



- No action
- Permit site as Construction & Demolition Landfill
- Transport all materials to a lined Subtitle D landfill
- Use inert materials as on-site fill, transport remainder to landfill


Selected Alternative

- Characterize each demolition pile
- Use inert materials as on-site fill
- Transport wastes containing asbestos, lead, and non-inert wastes to Subtitle D landfill
- Excavate and dispose of small quantity of shallow petroleum-impacted soils
- Discharge former cooling pond water to storm water ditch

ADEM SOLID WASTE RULES FOR "INERT" FILL



- No wood
- No metal
- No household trash
- Soil, concrete, asphalt ok

Community Meetings





FORMER FAIRFAX MILL BROWNFIELD CLEANUP GRANT

The City of Valley, AL was awarded a \$500,000 brownfield cleanup grant by the EPA in September 2019 to clean up the former Fairfax Textile Mill. The site has been entered in the Alabama Department of Environmental Management Voluntary Cleanup Program, and a cleanup plan has been prepared. This fact sheet provides a summary of site conditions and the proposed cleanup plan and schedule.

The approximate 16 acre site was formerly occupied by the Pairfax Textile Mill which operated from 1915-2004. The previous owner demolished the buildings, and the City acquired the property in 2018. The site contains a significant volume of demolition debris, including concrete, wood, asphalt, metal, soil, and other rubble. The City tested

the soil, groundwater and demolition rubble for the presence of contaminants, and developed a plan to remove the small quantities of asbestos, lead, and petroleumimpacted soils from the site.

The cleanup plan includes offsite disposal of rubble found to contain asbestos, lead, and petroleum-impacted soils at a Subtitle D landfill. Metal and

includes ble found lead, and soils at a

wood will be segregated from the remaining rubble, and inert materials will be used as fill in a designated area on site. Based on availability of funds, the City intends to grade and seed the site and return it to greenspace. Cleanup is scheduled to begin in September 2020 upon receipt of ADEM (cleanup plan approval.



QUESTIONS? CONTACT:

Travis Carter Director of Planning & Development and Zoning Administrator tcarter@cityofvalley.com 334,756.5249 City of Valley, P.O. 186 20 Fob James Drive Valley, Alabama 36854

PM JULTANTS



Regulatory Approvals

- EPA (SSQAPP)
- ADEM Solid Waste Division
- ADEM Industrial Water Permits
- ADEM Voluntary Cleanup Program



GRANT AWARDED AND CLEANUP BEGINS

Pond Cleanup

16" Entrance Culvert, 0.8 miles to Osanippa Crèek

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Storm Sewer Drop Inlet

41" Exit Culvert 0.6 miles to Osanippa Creek

Osanippa Creek 11 miles through wooded area to _____ Chattahoochee River





¥alley F	-airfa z l	Demo Rubble	e Estin	nates															<u> </u>
	Input		\rightarrow			Volume	as Cone Costs V	Volume as Cubi	- Coste										
	1.25	CY to Tons C	Convers	unitless		Volume	\$121,331	\$363,946		& Landfill-Sub D (includes	On-site Transpor	rt and Burn)							
	9	Tranportation					\$128,903	\$386,664	Total Transport (& Landfill-C&D (includes ((
	26	Landfill-Sub D		\$ per ton			3,959	11,873	CY Left on Site										
	9	Tranportation					\$44,538	\$133,568	Total On-site Tra	ansport									
	30		Landfill-C&D \$ per ton			\$10,533	\$31,598	Burn	Defense Demonstra										
	9 70		ansporation-On-sil \$ per ton oncr/Brick/Asph/S % worth separating				1,654 53,694	CY Available - Po	ond Before Removal										
	50	Vood		% worth separatin				??	CY Available - Fit										
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		9	Tran	portation-Su	ub D	\$ per	r ton			\$128,903	\$38	6,664	Total Transp	ort & Landfi	ill-C&D (inclu	des On-site	e Transport and	Burn)	_
		26	Land	Ifill-Sub D		\$per	r ton			3,959	11,	,873	CY Left on Sit	te	-		-		
		9	Tran	portation-C8	&D	\$per				\$44,538	\$13	3,568	Total On-site	Transport					_
			-	Ifill-C&D		\$per				\$10,533		-	Burn						_
		9	Tran	sporation-O	n-site						-	-	CY Available	- Pond Bef	ore Removal				
-				cr/Brick/Aspl		-	orth separati	ing					CY Available	- Pond/Bey	rond				
			Wood				orth separati	-			-		CY Available						
A17	231	2		17	21		6	7	100	0	0	0	0	100	100	0	100% Off Site*	0	
A18	1,867	2		138	173	3	46	58	80	2	6	10	2	100	90	10	100% Off Site [®]	0	
A19	1,020	4		151	189	3	50	63	75	3	10	10	2	100	85	15	100% Off Site [®]	0	
A20	1,339			74	93		25	31	15	15	60	10	0	100	25	75	100% Off Site	0	
A21	603	10		223	279		74	93	0	0	0	100	0	100	100	0	On Site/Separate	223	
A22	915	10		339	423		113	141	70	1 1	1	28	1 0	100	98	2	100% Off Site [®]	n	
•		Table 1	Ta	able 2 Est	timate E	Edits	Volume C	alcs	+				•						

BID DOCUMENTS AND SPECIFICATIONS

BROWNFIELD GRANT CLEANUP ACTIVITIES CITY OF VALLEY, ALABAMA FORMER FAIRFAX TEXTILE MILL 201 BOULEVARD STREET VALLEY, ALABAMA

PPM PROJECT NO. 40096601.CA

JULY 28, 2020







LEGEND:

DEMOLITION RUBBLE

ASBESTOS FIBERS DETECTED IN MATERIAL-DESIGNATED FOR SUBTITLE D LANDFILL

SOLID WASTE MATERIAL VOLUME/SIZE INAPPROPRIATE FOR MECHANICAL SEPARATION-ENTIRE PILE DESIGNATED FOR SUBTITLE D LANDFILL

MOSTLY WOOD-DESIGNATED FOR TEMPORARY STOCKPILING ON SITE

INERT MATERIAL TO BE USED FOR ONSITE FILL AFTER MECHANICAL SEPARATION OF LARGE SOLID WASTES

PROPOSED ON-SITE FILL AREA FOR INERT MATERIALS

BID FORM

FAIRFAX MILL BROWNFIELD CLEANUP-CITY OF VALLEY, AL

	Contractor Name:						
ltem	Description	Quantity	Unit	Unit Cost	Total Cost		
Α.	Mobilization and Demobilization	1	dof		\$0.00		
В.	Excavation, Loading, Transport and Disposal or Placement of Demolition Debris and Subsurface Soil						
	B.1. Excavation, loading, transport and spreading of inert demoliton material in on-site fill area.	8,000	СҮ				
	B.2. Excavation, loading, and Subtitle D landfill disposal of demoltion debris.	5,000	ton				
	B3. Excavation and placement of soils from UST and transfomer area and placement on plastic sheeting.	450	СҮ				
C.	Site and Surface Restoration						
	C.1. Import and spreading of 4-inch thickness of topsoil over 7 acre area	3,500	СҮ				









































Project Cost:

- Total project cost: \$621k
- EPA Funding: \$500k
- City contribution: \$121k (primarily for in-kind services)



Take Aways:

- Community support
- Agency buy-in
- Don't be intimidated by how a site looks
- Careful and creative planning
- Solid plans, specifications and basement of payment
- Experienced subcontractors



From Ruins to Reclamation







Fairfax Mill Site History

- Textile Mill: 1915-2004
- Major Employer
- "Fairfax Mill Village"
- Salvage company buys site in 2015 to salvage marketable materials
- Most Asbestos removed prior to demo
- Fire/demolition
- Estimated 17,000 tons of rubble present