



BOARD MEETING AGENDA – May 18, 2020

1. Call to Order

- NOTICE OF MEETING RECORDINGS

Meetings of Lehigh County Authority's Board of Directors that are held at LCA's Main Office at 1053 Spruce Road, Wescosville, PA, may be recorded for viewing online at lehighcountauthority.org. Recordings of LCA meetings are for public convenience and internal use only and are not considered as minutes for the meeting being recorded, nor are they part of public record. Recordings may be retained or destroyed at LCA's discretion.

- *Public Participation Sign-In Request*

2. Review of Agenda / Executive Sessions

3. Approval of Minutes

4. Public Comments

5. Action / Discussion Items:

FINANCE AND ADMINISTRATION

WATER

- *Retroactive Emergency Declaration – 36" Water Main Break at S. 17th & Walnut Streets (Approval) – to be distributed at a later date*

WASTEWATER

6. Monthly Project Updates / Information Items (1st Board meeting per month)

7. Monthly Financial Review (2nd Board meeting per month) – **April report to be distributed at a later date**

8. Monthly System Operations Overview (2nd Board meeting per month) – **April report attached**

9. Staff Comments

10. Solicitor's Comments

11. Public Comments / Other Comments

12. Executive Sessions

13. Adjournment

UPCOMING BOARD MEETINGS

Meetings begin at Noon at LCA's Main Office, unless noted otherwise below.

June 8, 2020

June 22, 2020

July 13, 2020

PUBLIC PARTICIPATION POLICY

In accordance with Authority policy, members of the public shall record their name, address, and discussion item on the sign-in sheet at the start of each meeting; this information shall also be stated when addressing the meeting. During the Public Comment portions of the meeting, members of the public will be allowed 5 minutes to make comments/ask questions regarding non-agenda items, but time may be extended at the discretion of the Chair; comments/questions regarding agenda items may be addressed after the presentation of the agenda item. Members of the public may not request that specific items or language be included in the meeting minutes.



1053 SPRUCE ROAD * P.O. BOX 3348 * ALLENTOWN, PA 18106-0348
610-398-2503 * FAX 610-398-8413 * www.lehighcountyauthority.org
email: service@lehighcountyauthority.org

MEMORANDUM

TO: LCA Board of Directors
FROM: John Parsons, Chief Operating Officer
DATE: May 15, 2020
RE: Emergency Declaration for Repairs on 36" water line at 17th and Walnut St.

On April 29, 2020, there was a water main break on the 36" ductile iron line that feeds Huckleberry Ridge Reservoir. This is the same line that experienced a cracked bell approximately 1300' north of this site back in February 2020. The site of the 4/29 break was at 17th and Walnut St in Allentown.

The break on 4/29 damaged the local street and some surrounding properties almost immediately. Jason Gruber, Manager of Distribution and Collection, in combination with Tim Carlson, Water Plant Manager, and their crews isolated the leak within about 90 minutes. Mr Gruber also called Joao Bradley, Inc for assistance with heavy equipment and additional manpower to address repairs.

Following are the repair costs for the 36" water main break:

Joao Bradley	Contractor	\$19,504
Core and Main	Pipe Materials	\$19,953
Great Western	Base work on 17 th St	\$47,608
Great Western	Curb/Sidewalks	\$20,484
Great Western	Final Paving	\$17,563 *
Total		\$125,112

Please note that the Great Western invoice for Final Paving was actually twice that amount, or \$35,126, but Mr. Gruber arranged with UGI to split the bill because UGI had the opportunity to change out a 4" gas line that needed to be replaced, saving LCA \$17,563.

Pieces of the damaged 36" main were sent to the manufacturer (US Pipe) for analysis to see if there is any sort of systematic problem with the materials. This is of particular concern based on the fact that we have now had two recent breaks on relatively new ductile iron pipe (1983) and in close proximity to each other. That report is expected back to LCA within a few weeks.

With the total cost of this repair in excess of \$50,000, we are seeking a retroactive emergency declaration to cover the expenditures for the event. Typical purchasing guidelines were not used during this event, both for materials and contractor services.

CC: Liesel Gross, Chief Executive Officer
Edward Klein, Chief Financial Officer
Patricia Walck, Purchasing Agent

Lehigh County Authority

System Operations Review - April 2020

Presented: May 18, 2020

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Apr-20</u>	<u>2020 Totals</u>	<u>2019 Totals</u>	<u>Permit</u>
			<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Max (MGD)</u>
Water Production	Allentown	Total	21.51	20.95	21.51	39.0
		Schantz Spring	7.64	7.58	7.77	9.0
		Crystal Spring	3.89	3.90	3.88	4.0
		Little Lehigh Creek	9.86	9.39	9.85	30.0
		Lehigh River	0.12	0.08	0.01	28.0
	Central Lehigh	Total	9.32	9.32	9.75	19.04 MGD Avg
		Feed from Allentown	6.57	6.74	6.93	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	2.75	2.58	2.80	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.14	0.14	0.17	1.71 Sum of all wells
Wastewater Treatment		Kline's Island	32.95	32.51	37.63	40.0
		Pretreatment Plant	4.72	4.83	5.88	5.75 (design capacity)
		Sum of all (5) other Suburban WW Systems	0.25	0.22	0.19	0.36
			<u>Apr-20</u>	<u>2020 Totals</u>	<u>2019 Totals</u>	<u>2018 Totals</u>
Precipitation Totals (inches)			4.34	12.96	60.66	66.96
Compliance Reports Submitted to Allentown			33	116	278	285
Notices of Violation (NOVs)		(Allentown + Suburban)	0	0	1	1
Sanitary Sewer Overflows (SSOs)/Bypasses		(Allentown + Suburban)	5	7	37	78
Main Breaks Repaired		Allentown	2	4	20	33
		Suburban	0	5	12	23
Customer Service Phone Inquiries		(Allentown + Suburban)	1,237	6,155	22,992	26,440
Water Shutoffs for Non-Payment		(Allentown + Suburban)	0	280	1,956	1,838
Injury Accidents		(Allentown + Suburban)	0	3	10	14
Emergency Declarations		Allentown	*	(1)@ \$119,972	(2)@ \$152,053	(5) @ \$76,469
		Suburban	0	\$0	(1) @ \$19,335	(1) @ \$21,197
<p>Significant Repairs/Upgrades: On 4/29/2020, there was a large main break on the 36" ductile line near 17th and Walnut. This transmission line, which feeds the Huckleberry Ridge Reservoir, is the same line that ruptured on 2/17/2020 near 17th and Allen. A large sinkhole was created by the break, which kept the roadway closed for several days. The breaks were approximately 1300 feet apart. The 36" ductile pipe, which was installed in 1983, is listed as Class 50, and was made by US Pipe. Pipe samples from both breaks have been sent to US Pipe in Bessemer, AL, for analyses to see if there are any sort of systematic problems with the pipe itself. LCA is expecting a full report within a few weeks.</p>						
<p>Description of NOVs and/or SSOs: There were three(3) SSOs during April, with all (3) resulting from a blockage in the 24" magnetic flow meter at Meter Station 5. Two (2) SSOs were on 4/13/2020 and one (1) was on 4/14/2020. The blockage was caused by a piece of HDPE and (2) manhole inserts that are used to control inflow. There were two (2) bypasses during April, both occurring on 4/13/2020. The bypasses happened at Heidelberg Heights WWTP and at Lynn Township WWTP.</p>						
<p>Other Highlights: Nothing to report.</p>						