



## LEHIGH COUNTY AUTHORITY

**LCA Main Office:**  
1053 Spruce Road  
Wescosville, PA 18106  
610-398-2503

**Agendas & Minutes Posted:**  
[www.lehighcountyauthority.org](http://www.lehighcountyauthority.org)

Published: April 18, 2022

### BOARD MEETING AGENDA – April 25, 2022 – 12:00 p.m.

**In-Person or Virtual Meeting Attendance Options Available:** Meetings of the LCA Board of Directors will be held at LCA's Main Office as well as online using the Zoom Meetings application, which includes a telephone option. Public participation is welcomed both in-person or virtually. Instructions for joining the meeting online or by phone are posted on the LCA website in the morning on the day of the meeting, prior to the start of each meeting. You may also issue comment to LCA via email to [LCABoard@lehighcountyauthority.org](mailto:LCABoard@lehighcountyauthority.org) in advance of any meeting or view the meeting at a later time by visiting the LCA website. Please visit <https://www.lehighcountyauthority.org/about/lca-board-meeting-videos/> for specific instructions to join the meeting if you are attending virtually. If attending in-person at LCA's Main Office, please follow all safety and sanitation protocols posted.

#### 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](http://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

- Additions to Agenda (vote required if action will be taken)

#### 3. Approval of Minutes

- *April 11, 2022 Board meeting minutes*

#### 4. Public Comments

#### 5. Action / Discussion Items:

#### **FINANCE AND ADMINISTRATION**

- *Resolution No. 4-2022-1: Destruction of Authority Documents (Approval) (goldenrod) (digital Board packet, pages 8-10)*
- *LCA Strategic Plan – Quarterly Progress Report (Discussion) (gray) (digital Board packet, pages 11-14)*

#### **WATER**

- *Emergency Declaration – Reservoir 1 Repair (Approval) (purple) (digital Board packet, pages 15-17)*
- *Allentown Division Cycle 6 Water Main Replacement – Ductile Iron Pipe Procurement (Approval) (green) (digital Board packet, pages 18-20)*

#### **WASTEWATER**

- *Wastewater System Easement Clearing & Maintenance (Approval) (tan) (digital Board packet, pages 21-23)*

6. Monthly Project Updates / Information Items (1<sup>st</sup> Board meeting per month) (digital Board packet, pages)
7. Monthly Financial Review (2<sup>nd</sup> Board meeting per month) (digital Board packet, pages 24-35) – **March report attached**
8. Monthly System Operations Overview (2<sup>nd</sup> Board meeting per month) (digital Board packet, pages 36-42) – **March report attached**
9. Staff Comments
10. Solicitor's Comments
11. Public Comments / Other Comments
12. Executive Sessions
13. Adjournment

UPCOMING BOARD MEETINGS		
May 9, 2022	May 23, 2022	June 13, 2022

#### 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.

## **REGULAR MEETING MINUTES**

### **April 11, 2022**

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The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:01 p.m. on Monday, April 11, 2022. Chairman Brian Nagle presiding. The meeting was hybrid via in-person and video and audio advanced communication technology ("ACT"), using the Zoom internet application, including telephone option. Each Board member and other attendees of the meeting were able to hear each other attendee and be heard by each other attendee. The public could also participate in the meeting in-person or via ACT, using the Zoom internet application, including telephone option. A Roll Call of Board members present was taken. Brian Nagle, Richard Bohner, Norma Cusick, Jeff Morgan, and Amir Famili were present for the duration of the meeting.

Solicitor Michael Gaul of KingSpry was present along with Authority Staff, Liesel Gross, Ed Klein, Chris Moughan, Chuck Volk, Susan Sampson, Andrew Moore, Phil DePoe, Mark Bowen, Lisa Miller, Todd Marion, and Ed Hoyle.

Chairman Nagle announced that the Board received their electronic and hard copies of the Board packet in advance and asked if anyone did not receive their copy of the packet. A copy of the packet is also available online.

#### **REVIEW OF AGENDA**

Liesel Gross announced that there are no changes to the agenda and no Executive Sessions planned. There will be two items under Staff Comments.

#### **APPROVAL OF MINUTES**

##### **March 28, 2022 Meeting Minutes**

Richard Bohner noted a grammatical error. On a motion by Richard Bohner, seconded by Norma Cusick, the Board approved the minutes of the March 28, 2022 Board meeting as corrected (5-0).

Chairman Nagle noted there was a question asked about the length of the minutes and if the Board preferred a shorter version of them. He then asked if any comments were received. Liesel Gross reported that she received comments from four Board members suggesting that a shorter version of the minutes would be preferred. Solicitor Gaul commented that the Authority is required to follow the Sunshine Act regarding the preparation of the minutes, but the requirements in the Act are somewhat limited. The Act requires the meeting minutes include the date, time, and place of the meeting, names of members present, substance of all official actions taken such as motions or resolutions, and the substance of any citizen testimony provided. Solicitor Gaul suggested trying to abbreviate the minutes and soliciting additional feedback from the Board. Some discussion followed

Ted Lyons entered the meeting at 12:11 p.m.

#### **PUBLIC COMMENTS**

None.

#### **ACTION AND DISCUSSION ITEMS**

##### **LCA Enterprise Resource Planning (ERP) Needs Assessment & Roadmap**

Liesel Gross provided background on the current ERP software in place and the challenges faced when trying to implement process improvement, system integration, or enhanced financial reporting. The staff would like to explore whether the current system can be fixed or if it needs to be reimplemented or replaced. A consultant to support business process review and technology needs would be beneficial to this review. She recommended moving forward with the work using Raftelis, with details provided in the Board agenda packet. A Professional Services Authorization is being requested in the amount of \$61,025.00. Ms. Gross noted the cost is not included in the 2022 Budget but would be offset by lower personnel costs due to eliminating the proposed process improvement staff member. She noted that this project may evolve into a more significant investment in the future if the study reveals the need to reimplement or replace the existing ERP system. Some discussion followed regarding the Authority's need for this project and the availability of other software systems that might meet those needs.

On a motion by Norma Cusick, seconded by Amir Famili, the Board approved the Professional Services Authorization to Raftelis in the amount of \$61,025.00 (6-0).

A roll call vote was taken with the following votes cast:

Brian Nagle – yes  
Richard Bohner – yes  
Norma Cusick – yes  
Ted Lyons – yes  
Jeff Morgan – yes  
Amir Famili – yes

### **2023-2027 Capital Plan – Allentown Division – Preliminary Plan**

Liesel Gross noted that there is a memo that was included in the packet regarding revised pages to the Suburban Division 2023-2027 Capital Plan. This is not for discussion today, but these revisions have been incorporated into the preliminary plan that has been distributed for public comment.

Chuck Volk reminded everyone of the Authority's capital planning and approval process, including the public comment period that starts today. Final approval of the plans is expected at the May 23, 2022 Board meeting. Mr. Volk then gave a presentation of the preliminary draft of the 2023-2027 Allentown Division Capital Plan. The water system plan includes various annual water projects, annual water main replacements, water studies, and various larger projects including reservoir rehabilitation and filter upgrades at the water filtration plant. The wastewater system plan includes various annual wastewater projects, projects funded by the City of Allentown to meet requirements of the Administrative Order (AO), and various larger projects including electrical substation replacement and improvements of the main and auxiliary pump stations.

Ed Klein reviewed the financial analysis for the Allentown Division Capital Plan, noting that there will not be any borrowing needed to fund the capital projects listed in the plan. He highlighted \$4.1 million expected to be granted from the City of Allentown's American Rescue Plan Act funds, and \$2.1 million in reimbursements from the City for the AO projects.

Chairman Nagle thanked Mr. Volk for the detailed presentation of the projects.

Brian Chamberlain, City of Allentown Compliance Office, commented that the City will be reviewing the plans and will provide comments. Liesel Gross concluded that any comments received will be shared with the Board at the May 23, 2022 meeting.

**Large Diameter Valve Prioritization Program**

Chris Moughan reviewed the project that was included in the Authority's 2022-2027 Strategic Plan to develop a prioritization plan to guide the maintenance, replacement, and renewals of water system valves sized 16-inch and larger with the Allentown Division water system. The program will provide benefits by proactively addressing the operation of critical valves to minimize customer service outages and reactive maintenance costs when the valves are needed for routine and emergency use. To begin this work, Gannett Fleming has been selected to evaluate the valves and develop the prioritization program. Some discussion followed regarding the current valve maintenance program and the importance of the program to ensure service reliability in the event of a large water main break.

On a motion by Richard Bohner, seconded by Norma Cusick, the Board approved the Capital Project Authorization in the amount of \$78,600.00 which includes the Professional Services Authorization to Gannett Fleming in the amount of \$58,600.00 (6-0).

A roll call vote was taken with the following votes cast:

Brian Nagle – yes  
Richard Bohner – yes  
Norma Cusick – yes  
Ted Lyons – yes  
Jeff Morgan – yes  
Amir Famili – yes

**Suburban Division – Far View Farms Pump Station Demolition**

Chuck Volk gave an overview of the project to abandon the Far View Farms well station in Upper Milford Township following the completion of the Kohler Tract Pumping Station. The pump station is now providing service to the area and the old well station and associated facilities are no longer needed. In order to dispose of the property through a land sale, the facilities must be properly demolished. Ed Hoyle reviewed the bid summary noting that only one bid was received and was below the engineer's estimate. The contractor's references were checked. Once the facility demolition is complete, authorization to sell the property will be requested. Discussion followed regarding potential sale or uses of the property as well as job scope review in light of the bid coming in below the engineer's estimate.

On a motion by Norma Cusick, seconded by Richard Bohner, the Board approved the Capital Project Authorization for the Construction Phase in the amount of \$143,500.00 which includes the Contract Award for the Construction Phase to BrightFields, Inc. in the amount of \$115,500.00 (6-0)

A roll call vote was taken with the following votes cast:

Brian Nagle – yes  
Richard Bohner – yes  
Norma Cusick – yes  
Ted Lyons – yes

Jeff Morgan – yes  
Amir Famili – yes

### **City of Allentown: 2022 Nighttime Weiring**

Phil DePoe gave an overview of the project noting that it is similar to the Western Lehigh Service Area weiring project reviewed at a prior Board meeting. Arcadis will conduct a nighttime weiring study for approximately 180 miles of sanitary sewer pipe to help identify specific neighborhoods contributing to high levels of groundwater infiltration in the City of Allentown sewer system. The work will occur in the Spring providing a short time to prepare the necessary Source Reduction Plans (SRPs) by August of 2022. This is the first time the nighttime weiring has been performed in the City of Allentown. Board discussion followed regarding the process to remove inflow and infiltration from the municipal sewer systems and how this work aligns with the overall plan to develop the Act 537 Plan for the region.

On a motion by Richard Bohner, seconded by Norma Cusick, the Board approved the Capital Project Authorization for the Allentown Division 2022 Nighttime Weiring for \$241,000.00 which includes the Professional Services Authorization to Arcadis for in the amount of \$211,000.00 (6-0).

A roll call vote was taken with the following votes cast:

Brian Nagle – yes  
Richard Bohner – yes  
Norma Cusick – yes  
Ted Lyons – yes  
Jeff Morgan – yes  
Amir Famili – yes

### **MONTHLY PROJECT UPDATES / INFORMATION ITEMS**

Liesel Gross highlighted items scheduled for the next meeting in April along with project updates provided in the report.

### **STAFF COMMENTS**

Liesel Gross reminded the Board and Staff that Statement of Financial Interest and Conflict of Interest forms are due to Lisa Miller by May 1, 2022.

Ms. Gross provided information to the Board regarding a possible emergency water system interconnection with South Whitehall Township. A map of the area was provided, and Ms. Gross highlighted an upcoming project to rehabilitate Reservoir 1, which will require back-up emergency water supply for the Upper System portion of the Authority's Central Lehigh Division. An emergency interconnection with the Township would meet this need, and discussions are under way with the Township. She noted that South Whitehall Township has been supportive and a "good neighbor" with the Authority. The next steps include finalizing design and permitting review and development of an interconnection agreement between the Authority and the Township.

### **SOLICITOR'S COMMENTS**

None.

**PUBLIC COMMENTS / OTHER COMMENTS**

None.

**EXECUTIVE SESSION**

None.

**ADJOURNMENT**

There being no further business, the Chairman adjourned the meeting at 1:31 p.m.

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Richard Bohner  
Secretary

# RESOLUTION No. 4-2022-1

(Duly adopted 25 April 2022)

## **A RESOLUTION AUTHORIZING DISPOSITION OF CERTAIN RECORDS.**

WHEREAS, by virtue of Resolution No. 11-2019-1, adopted November 11, 2019, Lehigh County Authority ("Authority") declared its intention to follow the *Municipal Records Manual – Retention and Disposition Schedule for Records of Pennsylvania Municipal Governments* (the "State Retention Schedule"), as currently published or as may be amended in the future, but with modifications that are no less stringent or not addressed by the State Retention Schedule in order to address special Authority circumstances or needs; and

WHEREAS, in accordance with the Pennsylvania Municipal Records Act, as amended, found at 53 Pa.C.S.A. 1381 et seq., each individual act of disposition shall be approved by resolution of the Authority's Board.

NOW THEREFORE, the Lehigh County Authority Board, pursuant to powers invested in it by the Pennsylvania Municipality Authorities Act, as amended, hereby resolves that:

- 1 . In accordance with the State Retention Schedule, the Authority is authorized to dispose of the records contained in the Schedule "A" hereto ("Scheduled Records").
- 2 . Authority staff members are authorized and directed to take such steps as are necessary or convenient to implement the disposition of the Scheduled Records.
- 3 . This Resolution shall take effect immediately.

On motion of \_\_\_\_\_, seconded by \_\_\_\_\_, this Resolution was adopted the 25th day of April, 2022.

Tally of Votes:                      Yeas \_\_\_\_\_      Nays \_\_\_\_\_

☞ ☞



I, Michael A. Gaul, Esquire, of King, Spry, Herman Freund & Faul, LLC, Solicitor of Lehigh County Authority, do hereby certify that the foregoing is a true, correct and complete copy of a resolution which was duly adopted by the Authority at a public meeting of the Authority held on April 25, 2022, after notice thereof had been duly given as required by law, at which meeting a quorum was present and voting and which Resolution No. 4-2022-1 is now in full force and effect on the date of this certification.

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Michael A. Gaul, Esquire  
King, Spry, Herman Freund & Faul, LLC  
Lehigh County Authority Solicitor

Date

Attest:

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Lisa J. Miller  
Executive Administrative Support Specialist

Date

SCHEDULE "A"  
to  
RESOLUTION NO. 4-2022-1

**SCHEDULE OF RECORDS SUBJECT TO DISPOSITION**

<b>Document Date(s)</b>	<b>Description</b>	<b>Quantity</b>	<b>File Tag</b>
2017-2020	Customer Care settlement requests	2 Boxes	AL-29
2014	Accounts payable files	5 boxes	FN-2
2014	Journal entries and month end close backup	1 box	FN-2
2014	Cash receipts	2 boxes	FN-12
2009-2016	Employee Files - No post-termination benefits	1 box	PS-8
2013-2016	Recruiting and Pre-Employment documents	1 box	PS-8
2017	Customer payment slips	1 box	FN-3

# LCA Strategic Plan (2022-2027)

## 2022 Quarterly Progress Report

### Overview

Lehigh County Authority (LCA) adopted an updated Strategic Plan in December 2021, which included a refreshed look at our Mission, Vision, Values and Priorities. An ambitious list of strategies, activities, and tasks were developed to support the achievement of LCA's plan over the next five years. This progress report was developed to help our employees and Board of Directors keep a sharp focus on the plan and, specifically, the work we plan to achieve in 2022. While not all inclusive, the 2022 focus areas and milestones outlined in this report describe the breadth of activities LCA is focused on this year. We expect to report on specific work we've accomplished each quarter, and we will track organizational performance broadly using key metrics identified in the Strategic Plan. Any questions about this report should be directed to LCA's Chief Executive Officer, Liesel Gross.

### Asset Management

#### 2022 Focus:

1. Develop multi-year approach / roadmap to developing LCA's Asset Management (AM) program
2. Track all maintenance activities in a standard Computerized Maintenance Management System (CMMS) platform

#### 2022 Milestones:

- Staffing assessment & organization structure for AM  
1<sup>st</sup> Quarter 2022 Status: Staffing assessment complete with 2022 staffing focused on maintenance management activities.
- Develop 3-year roadmap of AM activities  
1<sup>st</sup> Quarter 2022 Status: Preliminary 18-month roadmap is complete to help with defining roles and responsibilities.
- Identification and definition of all Preventive Maintenance (PM) and Corrective Maintenance (CM) programs within CMMS  
1<sup>st</sup> Quarter 2022 Status: Currently hosting workshops to review existing and future preventive programs for linear and vertical assets with internal staff.
- Develop standardized inventory list  
1<sup>st</sup> Quarter 2022 Status: Kicked off the metering inventory review with Customer Care in March. The plan is to continue reviewing inventory lists with each department to standardize naming and numbering.
- Identify and implement project management system  
1<sup>st</sup> Quarter 2022 Status: Munis project accounting module implementation abandoned as needs not met with current system configuration. Scheduling demos of other systems.

## Process Improvement

### 2022 Focus:

1. Evaluate long-term viability of current Enterprise Resource Planning (ERP), Munis, and decide next steps for enhancement
2. Process improvements in Customer Care and Employee Time Recording

### 2022 Milestones:

- ERP needs assessment & road map  
1<sup>st</sup> Quarter 2022 Status: Three consultant proposals received with final selection to be considered for Board approval in April.
- Simplify & improve time recording process within existing system  
1<sup>st</sup> Quarter 2022 Status: Initial review and streamlining of time-recording codes (focusing on old project codes) complete. After second review, the next step is to repair linked timesheet files and then implement electronic upload for payroll.
- Improved delinquency tracking program  
1<sup>st</sup> Quarter 2022 Status: New Customer Care Director hired in March 2022. Current focus on evaluating existing processes.
- Enhanced customer self-service tools  
1<sup>st</sup> Quarter 2022 Status: Due to delay in planned Munis upgrade, integration of phone system and online payment portal have been pushed back on the schedule.

## Water & Wastewater Capacity

### 2022 Focus:

1. Advancing regional Act 537 Plan development
2. Water supply evaluation for Central Lehigh Division (CLD) & North Whitehall Division (NWD)

### 2022 Milestones:

- CLD & NWD water supply study  
1<sup>st</sup> Quarter 2022 Status: Water supply study was authorized by the LCA Board on February 14, 2022, and work is under way and on schedule.
- Kickoff of specific water projects (system interconnection, storage evaluation)  
1<sup>st</sup> Quarter 2022 Status: Emergency interconnection with South Whitehall Township for the Central Lehigh Division-Upper System is under design. Design of a new Upper System storage tank has been incorporated into the 2023-2027 Suburban Capital Plan.
- Completion of Pretreatment Plant (PTP) master plan  
1<sup>st</sup> Quarter 2022 Status: PTP Master Plan was authorized by the LCA Board on December 13, 2021, and work is under way and on schedule.

- Preliminary screening / modeling of Act 537 alternatives  
1<sup>st</sup> Quarter 2022 Status: All municipalities received detailed 2021 flow monitoring data and analysis of their systems' rainfall derived inflow and infiltration in March. Modeling of the entire KISS system is under way and will be completed by June 2022.

## Employee Engagement & Safety

### 2022 Focus:

1. Employee & supervisory onboarding and training
2. Safety program enhancements

### 2022 Milestones:

- Develop structured approach to employee orientation  
1<sup>st</sup> Quarter 2022 Status: Onboarding checklist for safety training drafted for review. Pilot program for updated onboarding process for new employees and new supervisors is under development.
- Develop internal employee & supervisor training program  
1<sup>st</sup> Quarter 2022 Status: Internal "train the trainer" program under development for key safety courses required for employees in operational roles. Scan of external resources for other programs (bullying, harassment, etc.) is under way.
- Improve root cause analysis process to enhance understanding and tracking of safety incidents  
1<sup>st</sup> Quarter 2022 Status: Preliminary review of safety incident cause categories under way. Conducting process evaluation for root cause, reporting, tracking and follow-up.
- Enhance safety metrics, reporting and communication  
1<sup>st</sup> Quarter 2022 Status: Currently reporting on injuries and added measure of the number of days without lost-time incident or vehicle accident.

## Specific Operational Excellence Projects

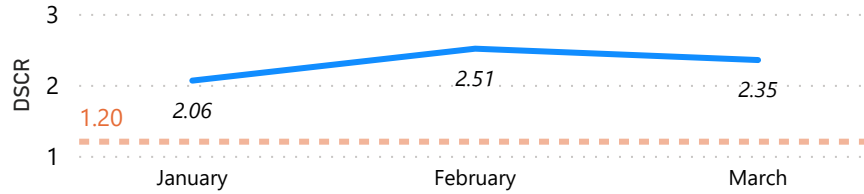
### 2022 Focus:

1. Large diameter valve maintenance & replacement program development  
1<sup>st</sup> Quarter 2022 Status: Proposal received from Gannett Fleming to evaluate and prioritize maintenance and repair of large diameter valves in Allentown Division.
2. Small systems Supervisory Control and Data Acquisition (SCADA) system enhancements  
1<sup>st</sup> Quarter 2022 Status: Four-year project is out for bid.
3. Small systems compliance review and operational enhancements  
1<sup>st</sup> Quarter 2022 Status: Developed and implemented a root cause analysis program for operational issues and trigger levels for specific water and wastewater monitoring analytes. Focused effort on achieving compliance at Sand Springs WWTP.

# LCA Strategic Plan Metrics

## Financial

### 2022 Debt Service Coverage Ratio - Total LCA



### Debt Service Coverage Ratio - Current

City Division	Suburban Wastewater	Suburban Water
2.28	6.61	1.67

### Unrestricted Days Cash On Hand

City Division	Suburban Wastewater	Suburban Water
266	203	171

\* Target of 180 days.

## Customer Care

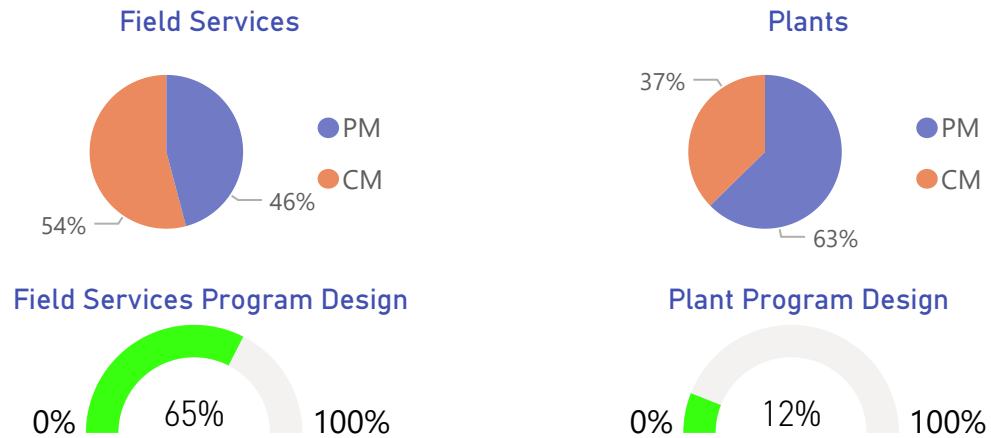
DEVELOPING  
METRIC

## Capital Program

DEVELOPING  
METRIC

## Asset Management

### 2022 Corrective Maintenance vs. Preventive Maintenance Hours



\* Metric to show 2022 progress on preventive program redesign and implementation.

## Safety

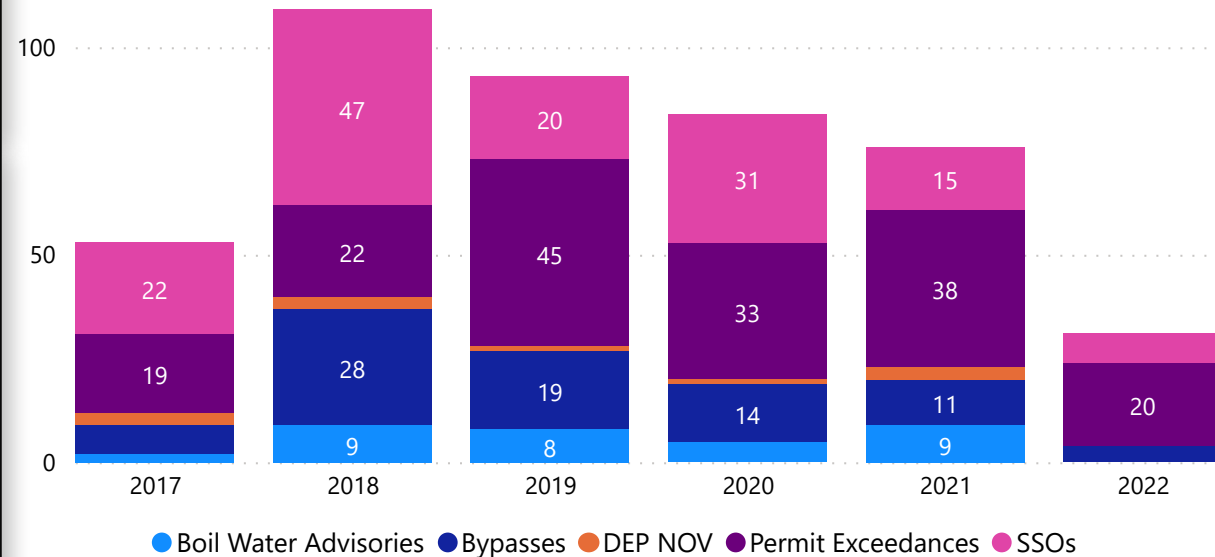
### # Days No Vehicle Accident

2

### # Days No Lost Time

21

## Environmental Compliance



## Employees

### Total Employees

162

### Average Age

46.8

### Average Yrs of Service

11.8

### Total Vacancies

11



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## MEMORANDUM

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**TO:** LCA Board of Directors  
**FROM:** Liesel Gross, CEO  
**DATE:** April 18, 2022  
**RE:** Emergency Declaration – Reservoir 1 Repair & Emergency Interconnection

Late last year, Lehigh County Authority (LCA) discovered that Reservoir 1 (located in LCA's "Upper System" portion of the Central Lehigh Division (CLD)) had suffered damage that needed to be investigated further and repaired in a timely manner. During the first quarter of 2022, LCA staff coordinated a series of inspections of the tank with Suez, Utility Service Co., Inc. (Suez) to further investigate the extent of the damage and detail the repairs required. The cause of the damage is unknown but is suspected to be related to an incident that caused rapid draw-down of water from the tank (such as from a fire, hit hydrant, or water main break) and improper or inadequate venting. The incident is also currently under investigation by LCA's risk management and property liability carrier. However, repairs to the tank cannot wait, and approval is requested for an Emergency Declaration to allow repairs and related work to be completed as expeditiously as possible.

### Brief System Background:

The Upper System is a portion of the CLD that lies at a higher elevation and hydraulic grade line than the other portions of the system. Therefore, water supplies in this area are limited to those groundwater sources located within the Upper System, a pump station that can move water up into the Upper System, and treated water stored at Reservoir 1. This 2 million gallon steel tank, constructed in 1971, provides critical service to approximately 2,800 homes and businesses in the Upper System and fire flows to some adjacent industrial users. The 2023-2027 Capital Plan (current draft) includes a project to develop additional storage in the Upper System to improve system resilience.

### Emergency Declaration Requested:

An extensive report on the damage to Reservoir 1 has been prepared by Suez, but will not be released in detail while it is under investigation for property liability purposes and to protect sensitive security information related to critical infrastructure (as protected by the U.S. Department of Homeland Security). A summary of the repairs that are needed include:

- Mobilization, creation of tank access hatches, crane delivery, and other site preparation tasks
- Replacement of damaged roof knuckles (6)
- Replacement of roof plates (720 square feet)
- Replacement of outer rafter connections/mounts (68 feet)
- Replacement of inner and outer rafters (16)
- Replacement of support columns (quantity TBD)
- Interior and exterior coating

This Emergency Declaration includes two primary components that are necessary for the successful repair of Reservoir 1: provide an additional source of water to supply the Upper System in the event of an emergency while the tank is down for service; and timely tank repair.

**Emergency Water Source** – As discussed during a prior meeting of the LCA Board of Directors, a cost-effective solution is available through the implementation of an emergency system interconnection with South Whitehall Township’s water system. The Township’s water system is immediately adjacent to LCA’s CLD in several locations, including the Upper System. Other emergency interconnections exist with the Township, but none in the Upper System. Due to the close proximity of the systems, the installation of an interconnection will be a relatively simple process of installing a vault, control valves and appropriate metering at the location where the systems already intersect. LCA and South Whitehall Township staff have been collaborating as “good neighbors” on this approach.

Estimated Cost:	\$200,000
Approvals Needed:	This emergency declaration LCA-Township Emergency Interconnection Agreement Pa. Department of Environmental Protection (DEP) permitting Miscellaneous LCA-Township permitting / planning procedures
Status:	LCA-Township preliminary agreement drafted Preliminary design and permit review under way Procurement process under way for materials & installation services

**Tank Rehabilitation** – Suez is already working with LCA under the terms of a multi-year maintenance contract for all water storage tanks in our Suburban and Allentown divisions. The existing contract can be extended to cover the work necessary to rehabilitate Reservoir 1. However, due to the cost and emergency nature of this work, Board approval is appropriate.

Estimated Cost:	\$600,000
Approvals Needed:	This emergency declaration
Status:	Preliminary tank review completed 2/1/2022 Tank drained and detailed inspection completed 3/7/2022 Repair work scope and proposal received from Suez 4/12/2022

Timing of the repair to Reservoir 1 is critical due to the seasonal weather patterns we experience in our region and the need to apply coatings to the tank prior to the onset of cooler weather this fall. Key milestones that drive the schedule for this project include:

- Creation of LCA-South Whitehall Township emergency interconnection (3 months)
  - Procure materials for the emergency interconnection
  - DEP permitting and various Township approvals & agreement
  - Installation of emergency water system interconnection and testing



- Reservoir 1 repaired and coatings applied (4 months)
- Target completion date: November 15, 2022

Based on the above timeline, the work must commence immediately and all efforts to streamline the procurement process must be utilized. Therefore, Board approval of an Emergency Declaration will be requested at the April 25, 2022 meeting. Costs and project status for this emergency work will be reported to the Board through the normal monthly project update report.



## Lehigh County Authority

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### MEMORANDUM

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**Date:** April 25, 2022

**To:** Lehigh County Authority Board of Directors

**From:** Jason Peters, Capital Works Project Coordinator  
Charles Volk, P.E., Chief Capital Works Officer

**Subject:** Allentown Division Cycle 6 Water Main Replacement – Pipe Procurement

#### **MOTIONS /APPROVALS REQUESTED:**

No.	Item	Amount
1	<u>Capital Project Authorizations – Cycle 6 Water Main Replacement Project – Construction Phase (1<sup>st</sup> Authorization: Pipe Procurement)</u>	\$316,634
1a	<u>Contract Award – Cycle 6 Pipe Material Procurement: Core &amp; Main</u> (included in Capital Project Authorization)	\$287,849

#### **PROJECT OVERVIEW:**

The Operating Standards of the 2020 Amended & Restated Allentown Water & Sewer Lease Agreement (Lease) require that Lehigh County Authority (LCA) replace four (4) miles of water main starting in 2021 through 2024. With the completion of the Cycle 5 Water Main Replacement Project in 2021, three (3) miles of water main remain to be installed by the end of 2024. Due to current supply chain issues with equipment and materials availability, shipment delays, and unpredictable price escalations, LCA recommends advance procurement of ductile iron pipe for the Cycle 6 Water Main Replacement Project. The Cycle 6 project includes replacement of one (1) mile of water main in 2022. Due to the uncertain future economic environment related to inflation and supply chain concerns, LCA believes it is prudent to move forward with this year's project, followed by an evaluation of the best approach to complete the remaining two (2) miles of water main replacement required by 2024 to satisfy the Lease requirements.

#### **FUNDING:**

The Project will be funded by the LCA Allentown Division. It is identified as required work in the Lease and is classified as a Major Capital Improvement where the cost of the project will be recovered from the ratepayers over a 30-year period above the Lease rate caps.

## **PROJECT STATUS**

In March 2016 the Board approved the Design Phase and Pipe Prioritization Engineering for Cycles 4-6 for the Allentown Division Water Main Replacement Projects.

Working closely with the City to obtain Major Capital Improvement approvals (as required by the lease), LCA has obtained conceptual plan authorization for the Allentown Division Cycle 6 water main replacement project and anticipates receiving Substantially Complete plan approval in May 2022. The project is anticipated to be bid in June 2022.

## **THIS APPROVAL: CONTRACT AWARD – CYCLE 6 PIPE PROCUREMENT**

Through LCA staff contacts with Engineers, Contractors and Material Suppliers over the past year, we have witnessed drastic changes to the local and national construction market regarding material availability and pricing instability. The current markets have been heavily impacted by the COVID-19 pandemic, Ukraine/Russia War, and influx of federally funded project work. As a result, we have been seeing longer lead times for material procurement not only for LCA project work but also for local development projects as well, especially for Ductile Iron Pipe (DIP). Recent staff research on DIP availability revealed material lead times ranging from 3 to 8 months. This market condition may jeopardize the completion of the Allentown Division Cycle 6 Water Main Replacement Project in 2022.

LCA's conventional project approach is to have the contractor furnish and install the pipe, which we believe will exacerbate the pricing instability and schedule pressure for this project. Therefore, we investigated options to purchase the DIP directly to "lock in" on pipe pricing and ensure the project can be coordinated with the availability of materials. LCA sought quotes through Pennsylvania's COSTARS program and received a favorable proposal from Core & Main ("Supplier") of Allentown PA. If approved, the Supplier will provide all push-on DIP and standard gaskets for the Allentown Division Cycle 6 Water Main Replacement Project, and partial shipment deliveries will commence in early Summer 2022.

The project specifications and construction contract for the project will set forth procedures and responsibilities that are clearly outlined for each party (Contractor, Owner, and Supplier). These procedures will include, but are not limited to, delivery and off-loading of shipments, material handling and inspection, material storage, material waste, etc.

## **SCHEDULE**

Assuming approval of the Contract Award for pipe procurement at the April 25, 2022 Board meeting, we anticipate receiving all pipe deliveries by the end of Summer 2022, which will facilitate project substantial completion in 2022. Construction Phase Authorization for the Allentown Division Cycle 6 Water Main Replacement Project is anticipated to be requested at the June 27, 2022 Board meeting.

## CAPITAL PROJECT AUTHORIZATION

PROJECT NO.:	AD-W-21-1	BUDGET FUND:	Allentown Div\Water\Capital
PROJECT TITLE:	Allentown Division -Water Main Replacement Cycle 6	PROJECT TYPE:	<input type="checkbox"/> Construction <input type="checkbox"/> Engineering Study <input checked="" type="checkbox"/> Materials/Equipment Purchase <input type="checkbox"/> Amendment No.
THIS AUTHORIZATION	<u>Pipe Procurement</u>		

### DESCRIPTION AND BENEFITS:

The amended Operating Standards of the 2020 Amended & Restated Allentown Water & Sewer Lease Agreement (Lease) require that Lehigh County Authority (LCA) replace four (4) miles water main starting in 2021 through 2024. With the completion of the Cycle 5 Water Main Replacement Project in 2021, three (3) miles of water main remain to be installed by the end of 2024.

Advance procurement of the pipe is recommended for this cycle due to widespread supply chain delays and unpredictable material price escalations. The contingency item as part of the authorization is to cover unforeseen pipe material escalations, which are tied to the "Scrap Metal Index".

This authorization includes 1.15 mile of main replacement and will satisfy the 2022 Lease requirements per the Operating Standards.

### AD Cycle-6 Pipe Procurement

Please reference the Board Memo for additional information.

REQUESTED THIS AUTHORIZATION	
Construction Phase Cycle 6	
Ductile Iron Pipe Purchase – Core & Main	\$287,849
Contingency	\$28,785
Total This Authorization	\$316,634

### REVIEW AND APPROVALS:

Project Manager	Date	Chief Executive Officer	Date
Chief Capital Works Officer	Date	Chairman	Date

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## MEMORANDUM

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**Date:** April 25, 2022

**To:** LCA Board of Directors  
**From:** Andrew Moore, Director of Plant Operations  
**Subject:** Allentown and Suburban Easement Clearing

**MOTIONS / APPROVALS REQUESTED:**

No.	Item	Amount
1	Professional Services Authorization - <b>Adirondack Land Management</b>	\$429,859.95

**PROJECT OVERVIEW:**

Lehigh County Authority (LCA) has various easements and properties located throughout Lehigh County. In order to properly maintain and inspect manholes and other structures, the easements must provide vehicular access to LCA's assets. Emergency situations such as sanitary sewer overflows require immediate access to assets, which at times require entry from heavy equipment and machinery. Any delays in accessibility reduce critical time to mitigate operational issues.

In the Suburban Division, the Western Lehigh Interceptor (WLI) contains over seven (7) miles of easements. Work from a previous contractor cleared large areas; however, yearly maintenance is required to keep vegetation under control. This project maintains the easements through vegetation cutting and tree removal in the spring and fall months. In addition to the WLI, access must be maintained or gained to other assets such as reservoirs and water mains. These areas are located in various areas throughout Lehigh County. The contractor will be required to remove felled trees and maintain vegetation in LCA marked areas.

The Allentown Division is required to maintain the Lehigh River Flood Dike as part of an agreement with the City of Allentown with the Army Corps of Engineers. The project location is on both sides of the Lehigh River from just north of the Hamilton Street Bridge to the confluence with the Little Lehigh Creek on the western bank and from the canal overflow continuing south to the boat launch at Canal Park on the eastern bank. The area to be maintained is a Federal Flood Control Project. This project will maintain the flood dike through vegetation cutting, tree removal, and herbicide spraying in the spring and fall months. Additionally, the Allentown Division has sewer lines routed through various wooded areas along the Lehigh River. A radius of approximately ten (10) feet around forty (40) manholes must be maintained for routine maintenance and emergency work.

This project requires seasonal work in both the spring and fall months and will continue for three years.

**FINANCIAL:**

This Project will be funded by LCA out of the Operational Budgets, with breakouts per Division estimated below:

Allentown Division: \$ 229,650.00

Suburban Division: \$ \$200,209.95

These estimates are provided for purposes of Board discussion. However, actual annual costs will be determined and budgeted based on site conditions and other factors encountered over the three-year contract term.

**PROJECT STATUS:**

Pending Board approval.

**THIS APPROVAL:**

LCA intends to retain the services of a contractor for the maintenance of easements located throughout the Allentown and Suburban Divisions. The following table summarizes the professional services to be performed under this approval:

<b>Professional Services</b>
1. Clear existing trees and growth over the interceptor and manholes
2. Maintain a cleared ten (10) foot radius around manhole structures
3. Apply stump treatment to all cut trees
4. Apply appropriate herbicides to control undergrowth

**PROPOSALS:**

The two contracting firms along with their respective proposal amounts appear in the table below:

<b>Contractor</b>	<b>Amount</b>
<b>Adirondack Land Management</b>	<b>\$429,859.95</b>
Coventry Environmental	\$438,346.00

The recommendation of this memorandum is authorization to award the work to Adirondack Land Management. Adirondack Land Management has provided excellent service in the past on smaller projects for LCA and is well equipped to perform the scope of work.

**PROJECT SCHEDULE:**

Pending Board approval, project is anticipated to begin in May of 2022 with annual work being completed until 2024.

**FUTURE AUTHORIZATIONS:**

None for this project.



Lehigh County Authority

1053 Spruce Road \* P.O. Box 3348 \* Allentown, PA 18106-0348  
(610)398-2503 \* FAX (610)398-8413

## PROFESSIONAL SERVICES AUTHORIZATION

**Professional:** Adirondack Land Management  
155 Stewart Lane  
Kittanning, PA 16201

**Date:** April 25, 2022  
**Requested By:** Andrew Moore

**Approvals**  
**Department Head:** \_\_\_\_\_  
**Chief Executive Officer:** \_\_\_\_\_

### Allentown and Suburban Division- Easement Clearing

Previous Authorizations- None

### This Authorization – Construction Phase: \$429,859.95

Lehigh County Authority (LCA) has various easements and properties located throughout Lehigh County. In order to properly maintain and inspect LCA's assets, the easements must provide vehicular access. Adirondack Land Management will provide related services for the aforementioned project, consisting of the following tasks in the Suburban and Allentown Divisions:

Professional Services
1. Clear existing trees and growth over the interceptor and manholes
2. Maintain a cleared ten (10) foot radius around manhole structures
3. Apply stump treatment to all cut trees
4. Apply appropriate herbicides to control undergrowth

**Cost Estimate** (not to be exceeded without further authorization): **\$429,859.95**

**Time Table and Completion Deadline:** This project requires seasonal work in both the spring and fall months and will continue for three years.

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(For Authority Use Only)

**Authorization Completion:**

**Approval:** \_\_\_\_\_ **Actual Cost:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**LEHIGH COUNTY AUTHORITY  
FINANCIAL STATEMENTS  
MARCH 2022**



**LEHIGH COUNTY AUTHORITY**  
**FINANCIAL STATEMENTS - SUMMARY**  
**For the Period Ended March 31, 2022**

	Consolidated Financial Statements														
	Month					Year To Date					FULL YEAR				
	Actual	Q1 FC	Prior Year	FC Var	PY Var	Actual	Q1 FC	Prior Year	FC Var	PY Var	Q1 FC	Budget	Prior Year	Bud Var	PY Var
Income Statement															
Suburban Water	(124,722)	(156,343)	17,168	31,621	(141,890)	250,952	166,423	(3,527)	84,528	254,479	2,159,847	2,094,223	1,518,392	65,624	641,455
Suburban Wastewater	(447,686)	(324,308)	245,240	(123,378)	(692,926)	(388,274)	(243,114)	773,599	(145,160)	(1,161,874)	1,628,104	1,788,879	(2,252,986)	(160,775)	3,881,091
City Division	1,027,268	830,501	(109,469)	196,766	1,136,737	3,074,326	2,661,700	911,043	412,626	2,163,283	2,115,567	2,194,319	4,431,771	(78,752)	(2,316,204)
Total LCA	454,860	349,850	152,939	105,009	301,921	2,937,003	2,585,009	1,681,116	351,994	1,255,888	5,903,518	6,077,421	3,697,177	(173,903)	2,206,341
Cash Flow Statement															
Suburban Water	(87,864)	(45,078)	(338,803)	(42,786)	250,939	6,512	(2,054)	(148,722)	8,567	155,234	511,304	402,292	(2,774,576)	109,012	3,285,880
Suburban Wastewater	(1,348,934)	(1,126,852)	(124,996)	(222,082)	(1,223,938)	788,446	812,351	(47,478)	(23,904)	835,924	4,328,156	4,353,353	(1,053,987)	(25,197)	5,382,143
City Division	3,613,348	2,962,466	2,084,983	650,882	1,528,365	3,788,710	3,180,718	5,464,221	607,992	(1,675,511)	5,508,264	5,439,552	9,094,925	68,711	(3,586,662)
Total LCA	2,176,550	1,790,536	1,621,184	386,014	555,366	4,583,669	3,991,015	5,268,022	592,654	(684,353)	10,347,724	10,195,198	5,266,363	152,526	5,081,361
Debt Service Coverage Ratio															
Suburban Water	0.87	0.71	2.58	0.16	(1.72)	1.67	1.53	2.44	0.13	(0.78)	2.03	2.03	3.76	(0.00)	(1.73)
Suburban Wastewater	1.39	2.85	11.02	(1.46)	(9.63)	6.61	7.03	11.13	(0.42)	(4.52)	10.72	10.82	6.56	(0.09)	4.16
City Division	2.28	2.18	1.50	0.11	0.78	2.28	2.20	1.85	0.08	0.43	1.66	1.67	1.79	(0.01)	(0.13)

**LEHIGH COUNTY AUTHORITY**  
**CONSOLIDATED FINANCIAL STATEMENTS**  
**For the Period Ended March 31, 2022**

Consolidated Financial Statements																
STATEMENTS OF ACTIVITIES	Month				Year To Date				Q1 FULL YEAR FORECAST				Full Year Budget			
	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA
<b>Operating Revenues:</b>																
User Charges	1,164,789	939,357	3,783,183	5,887,329	3,276,959	3,618,075	11,603,738	18,498,772	15,206,012	20,192,457	46,460,984	81,859,453	15,321,204	20,282,051	46,388,630	81,991,885
Connection & System Charges	55,037	108,284	1,003,653	1,166,974	120,667	339,007	1,458,103	1,917,777	930,391	932,549	4,251,925	6,114,864	933,476	875,254	4,488,054	6,296,784
Other Miscellaneous Revenues	1,920	30	3,825	5,775	5,745	60	11,295	17,100	32,790	2,000	69,290	104,080	33,078	2,247	67,475	102,800
<b>Total Operating Revenues</b>	<b>1,221,746</b>	<b>1,047,671</b>	<b>4,790,661</b>	<b>7,060,078</b>	<b>3,403,371</b>	<b>3,957,142</b>	<b>13,073,136</b>	<b>20,433,649</b>	<b>16,169,193</b>	<b>21,127,006</b>	<b>50,782,199</b>	<b>88,078,397</b>	<b>16,287,758</b>	<b>21,159,552</b>	<b>50,944,159</b>	<b>88,391,469</b>
<b>Operating Expenses:</b>																
Personnel	391,984	142,167	1,346,984	1,881,135	797,751	337,009	2,796,953	3,931,713	3,148,213	1,536,599	12,702,947	17,387,759	3,135,717	1,557,088	12,623,714	17,316,519
Shared Services - General & Administrative	41,045	16,940	100,788	158,772	112,212	47,380	330,684	490,276	773,222	232,658	1,915,918	2,921,798	777,905	230,022	1,872,369	2,880,296
Utilities	109,786	42,987	143,710	296,484	192,827	96,383	428,961	718,171	522,560	354,933	1,975,971	2,853,463	520,914	355,937	2,037,742	2,914,594
Materials and Supplies	179,949	36,929	170,428	387,306	228,518	71,874	397,114	697,506	816,358	498,121	2,349,304	3,663,782	816,837	496,550	2,334,092	3,647,479
Miscellaneous Services	271,040	476,402	79,447	826,889	760,883	1,453,661	239,942	2,454,486	4,608,691	6,851,375	2,063,147	13,523,213	4,728,534	6,804,359	2,184,774	13,717,667
Treatment and Transportation	-	230,000	-	230,000	-	690,000	-	690,000	-	3,846,000	13,000	3,859,000	-	3,844,405	13,800	3,858,205
Depreciation and Amortization	249,987	516,262	521,492	1,287,741	749,919	1,548,744	1,564,559	3,863,222	2,978,325	6,030,840	6,195,575	15,204,741	3,063,453	5,996,555	6,178,570	15,238,577
Major Maintenance Expenses	346	192	6,445	6,982	2,444	3,271	58,184	63,898	522	3,079	4,206,200	4,209,801	-	-	4,206,200	4,206,200
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Operating Expenses</b>	<b>1,244,137</b>	<b>1,461,878</b>	<b>2,369,294</b>	<b>5,075,309</b>	<b>2,844,554</b>	<b>4,248,321</b>	<b>5,816,397</b>	<b>12,909,273</b>	<b>12,847,890</b>	<b>19,353,605</b>	<b>31,422,062</b>	<b>63,623,557</b>	<b>13,043,359</b>	<b>19,284,917</b>	<b>31,451,261</b>	<b>63,779,537</b>
<b>Net Operating Profit</b>	<b>(22,391)</b>	<b>(414,206)</b>	<b>2,421,367</b>	<b>1,984,770</b>	<b>558,817</b>	<b>(291,179)</b>	<b>7,256,739</b>	<b>7,524,376</b>	<b>3,321,303</b>	<b>1,773,400</b>	<b>19,360,137</b>	<b>24,454,840</b>	<b>3,244,399</b>	<b>1,874,636</b>	<b>19,492,897</b>	<b>24,611,931</b>
<b>Non-Operating Income (Expense)</b>																
Interest Income	3,707	3,960	335	8,002	10,735	12,081	895	23,711	50,776	48,637	156,868	256,281	50,125	87,943	176,419	314,487
Interest (Expense)	(100,314)	(15,922)	(1,394,435)	(1,510,670)	(301,045)	(47,454)	(4,183,308)	(4,531,806)	(1,207,166)	(180,326)	(17,401,438)	(18,788,930)	(1,200,301)	(173,721)	(17,474,997)	(18,849,019)
Other Miscellaneous	(5,724)	(21,519)	-	(27,242)	(17,556)	(61,722)	-	(79,278)	(5,066)	(13,607)	-	(18,673)	-	22	-	22
<b>Net Non-Operating Income (Expense)</b>	<b>(102,331)</b>	<b>(33,480)</b>	<b>(1,394,099)</b>	<b>(1,529,910)</b>	<b>(307,865)</b>	<b>(97,095)</b>	<b>(4,182,413)</b>	<b>(4,587,373)</b>	<b>(1,161,456)</b>	<b>(145,296)</b>	<b>(17,244,570)</b>	<b>(18,551,322)</b>	<b>(1,150,176)</b>	<b>(85,756)</b>	<b>(17,298,578)</b>	<b>(18,534,510)</b>
<b>Net Income (Loss)</b>	<b>(124,722)</b>	<b>(447,686)</b>	<b>1,027,268</b>	<b>454,860</b>	<b>250,952</b>	<b>(388,274)</b>	<b>3,074,326</b>	<b>2,937,003</b>	<b>2,159,847</b>	<b>1,628,104</b>	<b>2,115,567</b>	<b>5,903,518</b>	<b>2,094,223</b>	<b>1,788,879</b>	<b>2,194,319</b>	<b>6,077,421</b>
<b>CASH FLOW STATEMENT</b>																
<b>Cash Flows From Operating Activities</b>																
Operating Revenues	1,221,746	1,047,671	4,790,661	7,060,078	3,403,371	3,957,142	13,073,136	20,433,649	16,169,193	21,127,006	50,782,199	88,078,397	16,287,758	21,159,552	50,944,159	88,391,469
Operating Expenses (ex D&A)	(994,150)	(945,616)	(1,847,802)	(3,787,568)	(2,094,635)	(2,699,578)	(4,251,838)	(9,046,051)	(9,869,565)	(13,322,765)	(25,226,487)	(48,418,817)	(9,979,907)	(13,288,362)	(25,272,691)	(48,540,960)
Non-Cash Working Capital Changes	(170,608)	(1,089,216)	1,528,388	268,564	(653,416)	(539,959)	(3,667,617)	(4,860,992)	152,239	(659,098)	2,003,995	1,497,136	(417,694)	(0)	2,197,478	1,779,783
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>56,987</b>	<b>(987,161)</b>	<b>4,471,248</b>	<b>3,541,074</b>	<b>655,319</b>	<b>717,605</b>	<b>5,153,682</b>	<b>6,526,605</b>	<b>6,451,867</b>	<b>7,145,143</b>	<b>27,559,707</b>	<b>41,156,717</b>	<b>5,890,157</b>	<b>7,871,190</b>	<b>27,868,945</b>	<b>41,630,292</b>
<b>Cash Flows From Financing Activities</b>																
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	-	3,075,000	-	1,200,000	4,275,000	3,075,000	-	1,200,000	4,275,000
Interest Payments	(1,166)	(58,532)	-	(59,698)	(3,603)	(175,277)	-	(178,880)	(1,200,337)	(180,703)	(12,799,531)	(14,180,571)	(1,200,301)	(173,721)	(12,799,531)	(14,173,553)
Principal Payments	(16,838)	-	-	(16,838)	(50,411)	-	-	(50,411)	(1,924,958)	(550,392)	(2,660,831)	(5,136,181)	(1,925,189)	(562,081)	(2,660,831)	(5,148,101)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(18,005)</b>	<b>(58,532)</b>	<b>-</b>	<b>(76,536)</b>	<b>(54,014)</b>	<b>(175,277)</b>	<b>-</b>	<b>(229,291)</b>	<b>(50,295)</b>	<b>(731,095)</b>	<b>(14,260,362)</b>	<b>(15,041,752)</b>	<b>(50,490)</b>	<b>(735,802)</b>	<b>(14,260,362)</b>	<b>(15,046,654)</b>
<b>Cash Flows from Capital and Related Activities</b>																
Non-Operating Income (Expenses)	(5,724)	(21,519)	(643,325)	(670,567)	(17,556)	(61,722)	(643,325)	(722,603)	(5,066)	(13,607)	(1,286,650)	(1,305,323)	-	22	(1,286,650)	(1,286,628)
Capital Expenditures, net	(124,830)	(282,683)	(214,910)	(622,423)	(587,972)	(643,241)	(722,541)	(1,953,754)	(5,935,978)	(3,059,921)	(6,661,300)	(15,657,199)	(5,487,500)	(2,870,000)	(7,058,800)	(15,416,300)
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(130,553)</b>	<b>(304,202)</b>	<b>(858,235)</b>	<b>(1,292,990)</b>	<b>(605,528)</b>	<b>(704,963)</b>	<b>(1,365,866)</b>	<b>(2,676,357)</b>	<b>(5,941,044)</b>	<b>(3,073,528)</b>	<b>(7,947,950)</b>	<b>(16,962,522)</b>	<b>(5,487,500)</b>	<b>(2,869,978)</b>	<b>(8,345,450)</b>	<b>(16,702,928)</b>
<b>Cash Flows From Investing Activities</b>																
Investments Converting To Cash	-	245,000	-	245,000	249,000	1,922,000	-	2,171,000	-	1,922,000	-	1,922,000	-	-	-	-
Purchased Investments	-	(248,000)	-	(248,000)	(249,000)	(983,000)	-	(1,232,000)	-	(983,000)	-	(983,000)	-	-	-	-
Interest Income	3,707	3,960	335	8,002	10,735	12,081	895	23,711	50,776	48,637	156,868	256,281	50,125	87,943	176,419	314,487
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>3,707</b>	<b>960</b>	<b>335</b>	<b>5,002</b>	<b>10,735</b>	<b>951,081</b>	<b>895</b>	<b>962,711</b>	<b>50,776</b>	<b>987,637</b>	<b>156,868</b>	<b>1,195,281</b>	<b>50,125</b>	<b>87,943</b>	<b>176,419</b>	<b>314,487</b>
<b>FUND NET CASH FLOWS</b>	<b>(87,864)</b>	<b>(1,348,934)</b>	<b>3,613,348</b>	<b>2,176,550</b>	<b>6,512</b>	<b>788,446</b>	<b>3,788,710</b>	<b>4,583,669</b>	<b>511,304</b>	<b>4,328,156</b>	<b>5,508,264</b>	<b>10,347,724</b>	<b>402,292</b>	<b>4,353,353</b>	<b>5,439,552</b>	<b>10,195,198</b>
<b>DEBT SERVICE RATIO</b>																
<b>Debt Service Ratio (Indenture Based)</b>																
Total Operating Revenues	1,164,789	939,357	3,783,183	5,887,329	3,276,959	3,618,075	11,603,738	18,498,772	15,206,012	20,192,457	46,460,984	81,859,453	15,321,204	20,282,051	46,388,630	81,991,885
Total Operating Expenses (Cash Based)	(994,150)	(945,616)	(1,847,802)	(3,787,568)	(2,094,635)	(2,699,578)	(4,251,838)	(9,046,051)	(9,869,565)	(13,322,765)	(25,226,487)	(48,418,817)	(9,979,907)	(13,288,362)	(25,272,691)	(48,540,960)
Interest Income	3,707	3,960	335	8,002	10,735	12,081	895	23,711	50,776	48,637	156,868	256,281	50,125	87,943	176,419	314,487
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-Operating Revenues (Expenses)	51,233	86,796	1,007,478	1,145,506	108,856	277,346	1,469,398	1,855,599	958,115	920,941	4,321,215	6,200,271	966,554	877,523	4,555,529	6,399,606
<b>Cash Available For Debt Service</b>	<b>225,579</b>	<b>84,497</b>	<b>2,943,195</b>	<b>3,253,270</b>	<b>1,301,915</b>	<b>1,207,923</b>	<b>8,822,193</b>	<b>11,332,031</b>	<b>6,345,338</b>	<b>7,839,270</b>	<b>25,712,580</b>	<b>39,897,188</b>	<b>6,357,976</b>	<b>7,959,156</b>	<b>25,847,886</b>	<b>40,165,018</b>
Interest Paid	100,028	15,059	1,066,628	1,181,714	300,084	45,176	3,199,883	3,545,143	1,200,337	180,703	12,799,531	14,180,571	1,200,301	173,721	12,799,531	14,173,553
Debt Retirement (Principal Payments)	160,413	45,866	221,736	428,015	481,240	137,598	665,208	1,284,045	1,924,958	550,392	2,660,831	5,136,181	1,925,189	562,081	2,660,831	5,148,101
<b>Total Debt Service</b>	<b>260,441</b>	<b>60,925</b>	<b>1,288,364</b>	<b>1,609,729</b>	<b>781,324</b>	<b>182,774</b>	<b>3,865,091</b>	<b>4,829,188</b>	<b>3,125,295</b>	<b>731,095</b>	<b>15,460,362</b>	<b>19,316,752</b>	<b>3,125,490</b>	<b>735,802</b>	<b>15,460,362</b>	<b>19,321,654</b>
<b>Debt Service Ratio</b>	<b>0.87</b>	<b>1.39</b>	<b>2.28</b>	<b>2.02</b>	<b>1.67</b>	<b>6.61</b>	<b>2.28</b>	<b>2.35</b>	<b>2.03</b>	<b>10.72</b>	<b>1.66</b>	<b>2.07</b>	<b>2.03</b>	<b>10.82</b>	<b>1.67</b>	<b>2.08</b>

**LEHIGH COUNTY AUTHORITY**  
**FINANCIAL STATEMENTS - SUBURBAN WATER**  
**For the Period Ended March 31, 2022**

**STATEMENTS OF ACTIVITIES**

	Month					Year To Date					Full Year				
	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Q1 FC	Budget	Prior Yr	Bud Var	PY Var
<b>Operating Revenues:</b>															
User Charges	1,164,789	1,121,000	911,784	43,789	253,005	3,276,959	3,204,012	2,695,333	72,947	581,626	15,206,012	15,321,204	12,433,466	(115,192)	2,772,546
Connection & System Charges	55,037	68,000	48,605	(12,963)	6,432	120,667	122,391	113,091	(1,724)	7,576	930,391	933,476	1,559,023	(3,085)	(628,632)
Other Miscellaneous Revenues	1,920	1,000	2,455	920	(535)	5,745	4,790	6,895	955	(1,150)	32,790	33,078	131,831	(288)	(99,041)
<b>Total Operating Revenues</b>	<b>1,221,746</b>	<b>1,190,000</b>	<b>962,844</b>	<b>31,746</b>	<b>258,902</b>	<b>3,403,371</b>	<b>3,331,193</b>	<b>2,815,319</b>	<b>72,178</b>	<b>588,052</b>	<b>16,169,193</b>	<b>16,287,758</b>	<b>14,124,320</b>	<b>(118,565)</b>	<b>2,044,873</b>
<b>Operating Expenses:</b>															
Personnel	391,984	362,343	238,962	(29,641)	(153,022)	797,751	773,637	774,942	(24,114)	(22,808)	3,148,213	3,135,717	3,168,152	(12,496)	19,939
Shared Services - General & Administrative	41,045	79,000	51,652	37,955	10,607	112,212	175,222	116,717	63,009	4,505	773,222	777,905	506,957	4,683	(266,265)
Utilities	109,786	55,000	44,366	(54,786)	(65,420)	192,827	144,560	116,746	(48,268)	(76,081)	522,560	520,914	423,326	(1,645)	(99,233)
Materials and Supplies	179,949	163,000	42,893	(16,949)	(137,056)	228,518	203,358	78,794	(25,160)	(149,724)	816,358	816,837	475,374	479	(340,984)
Miscellaneous Services	271,040	356,000	254,917	84,960	(16,123)	760,883	846,691	774,794	85,808	13,911	4,608,691	4,728,534	3,433,851	119,843	(1,174,840)
Treatment and Transportation															
Depreciation and Amortization	249,987	247,000	217,141	(2,987)	(32,846)	749,919	742,325	651,423	(7,594)	(98,496)	2,978,325	3,063,453	3,350,988	85,128	372,663
Major Maintenance Expenses	346	-	1,094	(346)	748	2,444	522	2,093	(1,922)	(351)	522	-	-	(522)	(522)
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	80,020	-	80,020
<b>Total Operating Expenses</b>	<b>1,244,137</b>	<b>1,262,343</b>	<b>851,025</b>	<b>18,206</b>	<b>(393,112)</b>	<b>2,844,554</b>	<b>2,886,314</b>	<b>2,515,510</b>	<b>41,760</b>	<b>(329,044)</b>	<b>12,847,890</b>	<b>13,043,359</b>	<b>11,438,668</b>	<b>195,469</b>	<b>(1,409,222)</b>
<b>Net Operating Profit</b>	<b>(22,391)</b>	<b>(72,343)</b>	<b>111,819</b>	<b>49,952</b>	<b>(134,210)</b>	<b>558,817</b>	<b>444,880</b>	<b>299,809</b>	<b>113,937</b>	<b>259,008</b>	<b>3,321,303</b>	<b>3,244,399</b>	<b>2,685,652</b>	<b>76,905</b>	<b>635,651</b>
<b>Non-Operating Income (Expense)</b>															
Interest Income	3,707	10,000	9,735	(6,293)	(6,028)	10,735	14,776	12,236	(4,040)	(1,500)	50,776	50,125	47,412	650	3,363
Interest (Expense)	(100,314)	(94,000)	(103,258)	(6,314)	2,944	(301,045)	(288,166)	(309,946)	(12,879)	8,902	(1,207,166)	(1,200,301)	(1,026,223)	(6,865)	(180,943)
Other Miscellaneous	(5,724)	-	(1,128)	(5,724)	(4,596)	(17,556)	(5,066)	(5,625)	(12,490)	(11,931)	(5,066)	-	(188,449)	(5,066)	183,384
<b>Net Non-Operating Income (Expense)</b>	<b>(102,331)</b>	<b>(84,000)</b>	<b>(94,651)</b>	<b>(18,331)</b>	<b>(7,680)</b>	<b>(307,865)</b>	<b>(278,456)</b>	<b>(303,336)</b>	<b>(29,409)</b>	<b>(4,529)</b>	<b>(1,161,456)</b>	<b>(1,150,176)</b>	<b>(1,167,260)</b>	<b>(11,280)</b>	<b>5,804</b>
<b>Net Income (Loss)</b>	<b>(124,722)</b>	<b>(156,343)</b>	<b>17,168</b>	<b>31,621</b>	<b>(141,890)</b>	<b>250,952</b>	<b>166,423</b>	<b>(3,527)</b>	<b>84,528</b>	<b>254,479</b>	<b>2,159,847</b>	<b>2,094,223</b>	<b>1,518,392</b>	<b>65,624</b>	<b>641,455</b>

**CASH FLOW STATEMENT**

<b>Cash Flows From Operating Activities</b>	1,221,746	1,190,000	962,844	31,746	258,902	3,403,371	3,331,193	2,815,319	72,178	588,052	16,169,193	16,287,758	14,124,320	(118,565)	2,044,873
Operating Revenues	(994,150)	(1,015,343)	(633,884)	21,193	(360,266)	(2,094,635)	(2,143,989)	(1,864,087)	49,354	(230,548)	(9,869,565)	(9,979,907)	(8,087,680)	110,342	(1,781,885)
Operating Expenses (ex D&A)	(170,608)	(159,979)	(279,105)	(10,629)	108,496	(653,416)	(642,787)	(499,191)	(10,630)	(154,226)	152,239	(417,694)	(2,407,825)	569,933	2,560,064
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>56,987</b>	<b>14,678</b>	<b>49,855</b>	<b>42,310</b>	<b>7,132</b>	<b>655,319</b>	<b>544,418</b>	<b>452,041</b>	<b>110,901</b>	<b>203,278</b>	<b>6,451,867</b>	<b>5,890,157</b>	<b>3,628,815</b>	<b>561,710</b>	<b>2,823,052</b>
<b>Cash Flows From Financing Activities</b>															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	-	-	-	3,075,000	3,075,000	21,679,902	-	(18,604,902)
Interest Payments	(1,166)	-	(3,671)	(1,166)	2,505	(3,603)	(1,236)	(11,194)	(2,367)	7,590	(1,200,337)	(1,200,301)	(1,344,261)	(36)	143,924
Principal Payments	(16,838)	-	(31,346)	(16,838)	14,508	(50,411)	(16,769)	(93,858)	(33,642)	43,448	(1,924,958)	(1,925,189)	(21,902,961)	231	19,978,003
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>(18,005)</b>	<b>-</b>	<b>(35,017)</b>	<b>(18,005)</b>	<b>17,013</b>	<b>(54,014)</b>	<b>(18,005)</b>	<b>(105,052)</b>	<b>(36,009)</b>	<b>51,038</b>	<b>(50,295)</b>	<b>(50,490)</b>	<b>(1,567,319)</b>	<b>195</b>	<b>1,517,024</b>
<b>Cash Flows from Capital and Related Activities</b>															
Non-Operating Income (Expenses)	(5,724)	-	(1,128)	(5,724)	(4,596)	(17,556)	(5,066)	(5,625)	(12,490)	(11,931)	(5,066)	-	(188,449)	(5,066)	183,384
Capital Expenditures, net	(124,830)	(69,756)	(362,248)	(55,074)	237,418	(587,972)	(538,177)	(502,321)	(49,795)	(85,651)	(5,935,978)	(5,487,500)	(4,694,717)	(448,478)	(1,241,261)
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(130,553)</b>	<b>(69,756)</b>	<b>(363,375)</b>	<b>(60,797)</b>	<b>232,822</b>	<b>(605,528)</b>	<b>(543,243)</b>	<b>(507,946)</b>	<b>(62,285)</b>	<b>(97,582)</b>	<b>(5,941,044)</b>	<b>(5,487,500)</b>	<b>(4,883,166)</b>	<b>(453,544)</b>	<b>(1,057,878)</b>
<b>Cash Flows From Investing Activities</b>															
Investments Converting To Cash	-	-	-	-	-	249,000	-	-	249,000	249,000	-	-	493,682	-	(493,682)
Purchased Invesments	-	-	-	-	-	(249,000)	-	-	(249,000)	(249,000)	-	-	(494,000)	-	494,000
Interest Income	3,707	10,000	9,735	(6,293)	(6,028)	10,735	14,776	12,236	(4,040)	(1,500)	50,776	50,125	47,412	650	3,363
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>3,707</b>	<b>10,000</b>	<b>9,735</b>	<b>(6,293)</b>	<b>(6,028)</b>	<b>10,735</b>	<b>14,776</b>	<b>12,236</b>	<b>(4,040)</b>	<b>(1,500)</b>	<b>50,776</b>	<b>50,125</b>	<b>47,095</b>	<b>650</b>	<b>3,681</b>
<b>FUND NET CASH FLOWS</b>	<b>(87,864)</b>	<b>(45,078)</b>	<b>(338,803)</b>	<b>(42,786)</b>	<b>250,939</b>	<b>6,512</b>	<b>(2,054)</b>	<b>(148,722)</b>	<b>8,567</b>	<b>155,234</b>	<b>511,304</b>	<b>402,292</b>	<b>(2,774,576)</b>	<b>109,012</b>	<b>3,285,880</b>

**DEBT SERVICE RATIO**

<b>Debt Service Ratio (Indenture Based)</b>															
User Charges	1,164,789	1,121,000	911,784	43,789	253,005	3,276,959	3,204,012	2,695,333	72,947	581,626	15,206,012	15,321,204	12,433,466	(115,192)	2,772,546
Operating Expenses (Cash Based)	(994,150)	(1,015,343)	(633,884)	21,193	(360,266)	(2,094,635)	(2,143,989)	(1,864,087)	49,354	(230,548)	(9,869,565)	(9,979,907)	(8,087,680)	110,342	(1,781,885)
Interest Income	3,707	10,000	9,735	(6,293)	(6,028)	10,735	14,776	12,236	(4,040)	(1,500)	50,776	50,125	47,412	650	3,363
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	51,233	69,000	49,932	(17,767)	1,301	108,856	122,115	114,361	(13,259)	(5,505)	958,115	966,554	1,502,405	(8,439)	(544,289)
<b>Cash Available For Debt Service</b>	<b>225,579</b>	<b>184,657</b>	<b>337,567</b>	<b>40,922</b>	<b>(111,988)</b>	<b>1,301,915</b>	<b>1,196,914</b>	<b>957,842</b>	<b>105,001</b>	<b>344,073</b>	<b>6,345,338</b>	<b>6,357,976</b>	<b>5,895,602</b>	<b>(12,638)</b>	<b>449,735</b>
Interest Paid	100,028	100,028	112,022	-	(11,994)	300,084	300,084	336,065	-	(35,981)	1,200,337	1,200,301	1,344,261	36	(143,924)
Debt Retirement (Principal Payments)	160,413	160,432	18,588	(19)	141,825	481,240	481,240	55,765	-	425,475	1,924,958	1,925,189	223,059	(231)	1,701,899
<b>Total Debt Service</b>	<b>260,441</b>	<b>260,461</b>	<b>130,610</b>	<b>(19)</b>	<b>129,831</b>	<b>781,324</b>	<b>781,324</b>	<b>391,830</b>	<b>-</b>	<b>389,494</b>	<b>3,125,295</b>	<b>3,125,490</b>	<b>1,567,319</b>	<b>(195)</b>	<b>1,557,976</b>
<b>Debt Service Ratio</b>	<b>0.87</b>	<b>0.71</b>	<b>2.58</b>	<b>0.16</b>	<b>(1.72)</b>	<b>1.67</b>	<b>1.53</b>	<b>2.44</b>	<b>0.13</b>	<b>(0.78)</b>	<b>2.03</b>	<b>2.03</b>	<b>3.76</b>	<b>(0.00)</b>	<b>(1.73)</b>

LEHIGH COUNTY AUTHORITY  
VARIANCE ANALYSIS - MONTH  
For the Period Ended March 31, 2022

**STATEMENTS OF ACTIVITIES**

**Operating Revenues:**

User Charges  
Connection & System Charges  
Other Miscellaneous Revenues

**Total Operating Revenues**

**Operating Expenses:**

Personnel  
Shared Services - General & Administrative  
Utilities  
Materials and Supplies  
Miscellaneous Services  
Treatment and Transportation  
Depreciation and Amortization  
Major Maintenance Expenses  
Other Miscellaneous

**Total Operating Expenses**

**Net Operating Profit**

**Non-Operating Income (Expense)**

Interest Income  
Interest (Expense)  
Other Miscellaneous

**Net Non-Operating Income (Expense)**

**Net Income (Loss)**

**CASH FLOW STATEMENT**

**Cash Flows From Operating Activities**

Operating Revenues  
Operating Expenses (ex D&A)  
Non-Cash Working Capital Changes

**Net Cash Provided by (Used in) Operating Activities**

**Cash Flows From Financing Activities**

Capital Contributions  
Proceeds New Borrowing  
Interest Payments  
Principal Payments

**Net Cash Provided by (Used in) Financing Activities**

**Cash Flows from Capital and Related Activities**

Non-Operating Income (Expenses)  
Capital Expenditures, net

**Net Cash Provided By (Used In) Capital and Related Activities**

**Cash Flows From Investing Activities**

Investments Converting To Cash  
Purchased Investments  
Interest Income

**Net Cash Provided By (Used In) Investing Activities**

**FUND NET CASH FLOWS**

Suburban - Water				
Actual	Q1 FC	FC Var	Comments	
1,164,789	1,121,000	43,789	Higher residential & commercial charges	
55,037	68,000	(12,963)		
1,920	1,000	920		
<b>1,221,746</b>	<b>1,190,000</b>	<b>31,746</b>	<b>Higher user charges offset a bit by lower tapping fees</b>	
391,984	362,343	(29,641)		
41,045	79,000	37,955		
109,786	55,000	(54,786)		
179,949	163,000	(16,949)		
271,040	356,000	84,960	Lower water purchases	
-	-	-		
249,987	247,000	(2,987)		
346	-	(346)		
-	-	-		
<b>1,244,137</b>	<b>1,262,343</b>	<b>18,206</b>	<b>Higher personnel costs along with higher utilities and supplies more than offset by lower G&amp;A and services</b>	
<b>(22,391)</b>	<b>(72,343)</b>	<b>49,952</b>	<b>Higher operating revenues aided by lower operating expenses</b>	
3,707	10,000	(6,293)		
(100,314)	(94,000)	(6,314)		
(5,724)	-	(5,724)		
<b>(102,331)</b>	<b>(84,000)</b>	<b>(18,331)</b>	<b>Unfavorable interest interest income, interest expense, and investment gains</b>	
<b>(124,722)</b>	<b>(156,343)</b>	<b>31,621</b>	<b>Higher net operating incomes eroded in part by unfavorable financial activity</b>	
1,221,746	1,190,000	31,746		
(994,150)	(1,015,343)	21,193		
(170,608)	(159,979)	(10,629)		
<b>56,987</b>	<b>14,678</b>	<b>42,310</b>	<b>Higher cash activity from operations</b>	
-	-	-		
-	-	-		
(1,166)	-	(1,166)		
(16,838)	-	(16,838)		
<b>(18,005)</b>	<b>-</b>	<b>(18,005)</b>	<b>Higher debt service payments - timing issue with forecast</b>	
(5,724)	-	(5,724)		
(124,830)	(69,756)	(55,074)		
<b>(130,553)</b>	<b>(69,756)</b>	<b>(60,797)</b>	<b>Higher capex</b>	
-	-	-		
-	-	-		
3,707	10,000	(6,293)	Lower interest income	
<b>3,707</b>	<b>10,000</b>	<b>(6,293)</b>		
<b>(87,864)</b>	<b>(45,078)</b>	<b>(42,786)</b>	<b>Higher cash generated by operations more than offset by higher debt service and higher capex</b>	

LEHIGH COUNTY AUTHORITY  
FINANCIAL STATEMENTS - SUBURBAN WASTEWATER  
For the Period Ended March 31, 2022

STATEMENTS OF ACTIVITIES	Suburban - Wastewater														
	Month					Year To Date					Full Year				
	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Q1 FC	Budget	Prior Yr	Bud Var	PY Var
Operating Revenues:															
User Charges	939,357	946,000	1,510,273	(6,643)	(570,916)	3,618,075	3,603,457	4,309,148	14,618	(691,074)	20,192,457	20,282,051	15,823,055	(89,594)	4,369,402
Connection & System Charges	108,284	154,331	48,843	(46,047)	59,442	339,007	413,850	249,065	(74,843)	89,943	932,549	875,254	757,041	57,295	175,508
Other Miscellaneous Revenues	30	-	1,625	30	(1,595)	60	-	1,730	60	(1,670)	2,000	2,247	45,691	(247)	(43,691)
Total Operating Revenues	1,047,671	1,100,331	1,560,741	(52,660)	(513,069)	3,957,142	4,017,307	4,559,943	(60,165)	(602,801)	21,127,006	21,159,552	16,625,786	(32,547)	4,501,220
Operating Expenses:															
Personnel	142,167	132,639	113,224	(9,528)	(28,943)	337,009	370,119	333,660	33,111	(3,349)	1,536,599	1,557,088	1,341,997	20,489	(194,603)
Shared Services - General & Administrative	16,940	26,000	23,617	9,060	6,677	47,380	57,658	50,368	10,278	2,988	232,658	230,022	211,387	(2,635)	(21,271)
Utilities	42,987	34,000	25,988	(8,987)	(16,999)	96,383	98,933	75,299	2,549	(21,084)	354,933	355,937	269,553	1,005	(85,379)
Materials and Supplies	36,929	51,000	19,075	14,071	(17,853)	71,874	92,121	35,124	20,246	(36,751)	498,121	496,550	233,440	(1,571)	(264,681)
Miscellaneous Services	476,402	461,000	496,697	(15,402)	20,295	1,453,661	1,423,375	1,397,511	(30,285)	(56,150)	6,851,375	6,804,359	6,407,539	(47,016)	(443,836)
Treatment and Transportation	230,000	226,000	228,151	(4,000)	(1,849)	690,000	686,000	690,000	(4,000)	-	3,846,000	3,844,405	3,899,503	(1,595)	53,503
Depreciation and Amortization	516,262	481,000	384,727	(35,262)	(131,535)	1,548,744	1,479,840	1,154,181	(68,903)	(394,563)	6,030,840	5,996,555	6,694,237	(34,286)	663,396
Major Maintenance Expenses	192	-	4,793	(192)	4,781	3,271	3,079	12,310	(191)	9,039	3,079	-	-	(3,079)	(3,079)
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	55,412	-	55,412
Total Operating Expenses	1,461,878	1,411,639	1,296,452	(50,239)	(165,425)	4,248,321	4,211,125	3,748,451	(37,196)	(499,870)	19,353,605	19,284,917	19,113,067	(68,689)	(240,538)
Net Operating Profit	(414,206)	(311,308)	264,288	(102,899)	(678,495)	(291,179)	(193,818)	811,492	(97,361)	(1,102,671)	1,773,400	1,874,636	(2,487,282)	(101,235)	4,260,682
Non-Operating Income (Expense)															
Interest Income	3,960	4,000	8,407	(40)	(4,446)	12,081	12,637	27,359	(556)	(15,279)	48,637	87,943	80,219	(39,306)	(31,582)
Interest (Expense)	(15,922)	(17,000)	(21,243)	1,078	5,322	(47,454)	(48,326)	(46,544)	872	(909)	(180,326)	(173,721)	(213,026)	(6,604)	32,700
Other Miscellaneous	(21,519)	-	(6,212)	(21,519)	(15,307)	(61,722)	(13,607)	(18,708)	(48,115)	(43,014)	(13,607)	22	367,102	(13,630)	(380,709)
Net Non-Operating Income (Expense)	(33,480)	(13,000)	(19,048)	(20,480)	(14,431)	(97,095)	(49,296)	(37,893)	(47,799)	(59,202)	(145,296)	(85,756)	234,295	(59,540)	(379,591)
Net Income (Loss)	(447,686)	(324,308)	245,240	(123,378)	(692,926)	(388,274)	(243,114)	773,599	(145,160)	(1,161,874)	1,628,104	1,788,879	(2,252,986)	(160,775)	3,881,091
CASH FLOW STATEMENT															
Cash Flows From Operating Activities															
Operating Revenues	1,047,671	1,100,331	1,560,741	(52,660)	(513,069)	3,957,142	4,017,307	4,559,943	(60,165)	(602,801)	21,127,006	21,159,552	16,625,786	(32,547)	4,501,220
Operating Expenses (ex D&A)	(945,616)	(930,639)	(911,725)	(14,977)	(33,891)	(2,699,578)	(2,731,285)	(2,594,270)	31,707	(105,307)	(13,322,765)	(13,288,362)	(12,418,831)	(34,403)	(903,934)
Non-Cash Working Capital Changes	(1,089,216)	(1,086,723)	(74,317)	(2,493)	(1,014,900)	(539,959)	(537,465)	(335,681)	(2,494)	(204,278)	(659,098)	(0)	536,730	(659,098)	(1,195,828)
Net Cash Provided by (Used in) Operating Activities	(987,161)	(917,031)	574,698	(70,130)	(1,561,860)	717,605	748,557	1,629,992	(30,953)	(912,387)	7,145,143	7,871,190	4,743,685	(726,047)	2,401,458
Cash Flows From Financing Activities															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Payments	(58,532)	(66,821)	(66,821)	8,290	8,290	(175,277)	(183,273)	(183,008)	7,997	7,732	(180,703)	(173,721)	(160,037)	(6,982)	(20,666)
Principal Payments	-	-	-	-	-	-	-	-	-	-	(550,392)	(562,081)	(549,370)	11,689	(1,022)
Net Cash Provided by (Used in) Financing Activities	(58,532)	(66,821)	(66,821)	8,290	8,290	(175,277)	(183,273)	(183,008)	7,997	7,732	(731,095)	(735,802)	(709,407)	4,707	(21,688)
Cash Flows from Capital and Related Activities															
Non-Operating Income (Expenses)	(21,519)	-	(6,212)	(21,519)	(15,307)	(61,722)	(13,607)	(18,708)	(48,115)	(43,014)	(13,607)	22	(55,198)	(13,630)	41,591
Capital Expenditures, net	(282,683)	(144,000)	(635,068)	(138,683)	352,385	(643,241)	(690,963)	(760,113)	47,722	116,872	(3,059,921)	(2,870,000)	(4,250,286)	(189,921)	1,190,365
Net Cash Provided By (Used In) Capital and Related Activities	(304,202)	(144,000)	(641,280)	(160,202)	337,078	(704,963)	(704,570)	(778,820)	(392)	73,858	(3,073,528)	(2,869,978)	(4,305,484)	(203,551)	1,231,955
Cash Flows From Investing Activities															
Investments Converting To Cash	245,000	245,000	-	-	245,000	1,922,000	1,922,000	743,000	-	1,179,000	1,922,000	-	2,851,000	1,922,000	(929,000)
Purchased Investments	(248,000)	(248,000)	-	-	(248,000)	(983,000)	(983,000)	(1,486,000)	-	503,000	(983,000)	-	(3,714,000)	(983,000)	2,731,000
Interest Income	3,960	4,000	8,407	(40)	(4,446)	12,081	12,637	27,359	(556)	(15,279)	48,637	87,943	80,219	(39,306)	(31,582)
Net Cash Provided By (Used In) Investing Activities	960	1,000	8,407	(40)	(7,446)	951,081	951,637	(715,641)	(556)	1,666,721	987,637	87,943	(782,781)	899,694	1,770,418
FUND NET CASH FLOWS	(1,348,934)	(1,126,852)	(124,996)	(222,082)	(1,223,938)	788,446	812,351	(47,478)	(23,904)	835,924	4,328,156	4,353,353	(1,053,987)	(25,197)	5,382,143
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	939,357	946,000	1,510,273	(6,643)	(570,916)	3,618,075	3,603,457	4,309,148	14,618	(691,074)	20,192,457	20,282,051	15,823,055	(89,594)	4,369,402
Operating Expenses (Cash Based)	(945,616)	(930,639)	(911,725)	(14,977)	(33,891)	(2,699,578)	(2,731,285)	(2,594,270)	31,707	(105,307)	(13,322,765)	(13,288,362)	(12,418,831)	(34,403)	(903,934)
Interest Income	3,960	4,000	8,407	(40)	(4,446)	12,081	12,637	27,359	(556)	(15,279)	48,637	87,943	80,219	(39,306)	(31,582)
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	86,796	154,331	44,256	(67,535)	42,540	277,346	400,243	232,087	(122,897)	45,258	920,941	877,523	1,169,833	43,418	(248,892)
Cash Available For Debt Service	84,497	173,692	651,210	(89,195)	(566,713)	1,207,923	1,285,052	1,974,325	(77,129)	(766,401)	7,839,270	7,959,156	4,654,276	(119,885)	3,184,994
Interest Paid	15,059	15,059	13,336	-	1,722	45,176	45,176	40,009	-	5,167	180,703	173,721	160,037	6,982	20,666
Debt Retirement (Principal Payments)	45,866	45,866	45,781	-	85	137,598	137,598	137,343	-	255	550,392	562,081	549,370	(11,689)	1,022
Total Debt Service	60,925	60,925	59,117	-	1,807	182,774	182,774	177,352	-	5,422	731,095	735,802	709,407	(4,707)	21,688
Debt Service Ratio	1.39	2.85	11.02	(1.46)	(9.63)	6.61	7.03	11.13	(0.42)	(4.52)	10.72	10.82	6.56	(0.09)	4.16

LEHIGH COUNTY AUTHORITY  
VARIANCE ANALYSIS - MONTH  
For the Period Ended March 31, 2022

**STATEMENTS OF ACTIVITIES**

**Operating Revenues:**

User Charges  
Connection & System Charges  
Other Miscellaneous Revenues

**Total Operating Revenues**

**Operating Expenses:**

Personnel  
Shared Services - General & Administrative  
Utilities  
Materials and Supplies  
Miscellaneous Services  
Treatment and Transportation  
Depreciation and Amortization  
Major Maintenance Expenses  
Other Miscellaneous

**Total Operating Expenses**

**Net Operating Profit**

**Non-Operating Income (Expense)**

Interest Income  
Interest (Expense)  
Other Miscellaneous

**Net Non-Operating Income (Expense)**

**Net Income (Loss)**

**CASH FLOW STATEMENT**

**Cash Flows From Operating Activities**

Operating Revenues  
Operating Expenses (ex D&A)  
Non-Cash Working Capital Changes

**Net Cash Provided by (Used in) Operating Activities**

**Cash Flows From Financing Activities**

Capital Contributions  
Proceeds New Borrowing  
Interest Payments  
Principal Payments

**Net Cash Provided by (Used in) Financing Activities**

**Cash Flows from Capital and Related Activities**

Non-Operating Income (Expenses)  
Capital Expenditures, net

**Net Cash Provided By (Used In) Capital and Related Activities**

**Cash Flows From Investing Activities**

Investments Converting To Cash  
Purchased Investments  
Interest Income

**Net Cash Provided By (Used In) Investing Activities**

**FUND NET CASH FLOWS**

Suburban - Wastewater			
Actual	Q1 FC	FC Var	Comments
939,357	946,000	(6,643)	
108,284	154,331	(46,047)	
30	-	30	
<b>1,047,671</b>	<b>1,100,331</b>	<b>(52,660)</b>	Slightly lower user charges and lower tapping fees
142,167	132,639	(9,528)	
16,940	26,000	9,060	
42,987	34,000	(8,987)	
36,929	51,000	14,071	
476,402	461,000	(15,402)	
230,000	226,000	(4,000)	
516,262	481,000	(35,262)	Higher depreciation on leased equipment
192	-	(192)	
-	-	-	
<b>1,461,878</b>	<b>1,411,639</b>	<b>(50,239)</b>	Higher Depreciation
<b>(414,206)</b>	<b>(311,308)</b>	<b>(102,899)</b>	Lower operating revenue and higher operating expense
3,960	4,000	(40)	
(15,922)	(17,000)	1,078	
(21,519)	-	(21,519)	
<b>(33,480)</b>	<b>(13,000)</b>	<b>(20,480)</b>	Unfavorable investment activity
<b>(447,686)</b>	<b>(324,308)</b>	<b>(123,378)</b>	Lower net operating profit along with unfavorable financial related activity
1,047,671	1,100,331	(52,660)	
(945,616)	(930,639)	(14,977)	
(1,089,216)	(1,086,723)	(2,493)	
<b>(987,161)</b>	<b>(917,031)</b>	<b>(70,130)</b>	Lower cash from operating activity
-	-	-	
-	-	-	
(58,532)	(66,821)	8,290	
-	-	-	
<b>(58,532)</b>	<b>(66,821)</b>	<b>8,290</b>	Lower interest payments
(21,519)	-	(21,519)	
(282,683)	(144,000)	(138,683)	
<b>(304,202)</b>	<b>(144,000)</b>	<b>(160,202)</b>	Higher capex
245,000	245,000	-	
(248,000)	(248,000)	-	
3,960	4,000	(40)	
<b>960</b>	<b>1,000</b>	<b>(40)</b>	
<b>(1,348,934)</b>	<b>(1,126,852)</b>	<b>(222,082)</b>	Lower cash from operations along with higher capex

**LEHIGH COUNTY AUTHORITY**  
**FINANCIAL STATEMENTS - CITY DIVISION**  
**For the Period Ended March 31, 2022**

STATEMENTS OF ACTIVITIES	City Division														
	Month					Year To Date					Full Year				
	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Actual	Q1 FC	Prior Yr	FC Var	PY Var	Q1 FC	Budget	Prior Yr	Bud Var	PY Var
<b>Operating Revenues:</b>															
User Charges	3,783,183	3,755,000	3,245,878	28,183	537,306	11,603,738	11,497,984	9,777,951	105,754	1,825,787	46,460,984	46,388,630	42,276,435	72,354	4,184,549
Connection & System Charges	1,003,653	1,004,004	129,178	(352)	874,475	1,458,103	1,515,885	729,031	(57,782)	729,072	4,251,925	4,488,054	3,511,291	(236,129)	740,631
Other Miscellaneous Revenues	3,825	2,000	3,420	1,825	405	11,295	8,290	11,400	3,005	(105)	69,290	67,475	113,357	1,815	(44,067)
<b>Total Operating Revenues</b>	<b>4,790,661</b>	<b>4,761,004</b>	<b>3,378,475</b>	<b>29,657</b>	<b>1,412,186</b>	<b>13,073,136</b>	<b>13,022,159</b>	<b>10,518,382</b>	<b>50,978</b>	<b>2,554,754</b>	<b>50,782,199</b>	<b>50,944,159</b>	<b>45,901,083</b>	<b>(161,960)</b>	<b>4,881,116</b>
<b>Operating Expenses:</b>															
Personnel	1,346,984	1,366,503	995,526	19,520	(351,458)	2,796,953	2,848,235	2,544,742	51,281	(252,211)	12,702,947	12,623,714	10,681,433	(79,233)	(2,021,513)
Shared Services - General & Administrative	100,788	101,000	164,509	212	63,721	330,684	379,918	357,254	49,234	26,571	1,915,918	1,872,369	1,529,986	(43,549)	(385,931)
Utilities	143,710	146,000	155,606	2,290	11,896	428,961	524,971	524,959	96,011	95,998	1,975,971	2,037,742	1,705,824	61,771	(270,148)
Materials and Supplies	170,428	252,000	159,136	81,572	(11,292)	397,114	454,304	272,156	57,189	(124,958)	2,349,304	2,334,092	1,486,676	(15,212)	(862,627)
Miscellaneous Services	79,447	115,000	126,977	35,553	47,530	239,942	280,147	262,553	40,205	22,611	2,063,147	2,184,774	1,513,870	121,627	(549,278)
Treatment and Transportation	-	-	-	-	-	-	-	-	-	-	13,000	13,800	12,480	800	(520)
Depreciation and Amortization	521,492	509,000	491,154	(12,492)	(30,338)	1,564,559	1,539,575	1,473,462	(24,984)	(91,097)	6,195,575	6,178,570	4,348,808	(17,005)	(1,846,767)
Major Maintenance Expenses	6,445	-	12,967	(6,445)	6,522	58,184	51,739	25,755	(6,445)	(32,429)	4,206,200	4,206,200	3,679,342	0	(526,858)
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	7,540	-	7,540
<b>Total Operating Expenses</b>	<b>2,369,294</b>	<b>2,489,503</b>	<b>2,105,875</b>	<b>120,209</b>	<b>(263,419)</b>	<b>5,816,397</b>	<b>6,078,889</b>	<b>5,460,881</b>	<b>262,492</b>	<b>(355,516)</b>	<b>31,422,062</b>	<b>31,451,261</b>	<b>24,965,960</b>	<b>29,199</b>	<b>(6,456,102)</b>
<b>Net Operating Profit</b>	<b>2,421,367</b>	<b>2,271,501</b>	<b>1,272,600</b>	<b>149,866</b>	<b>1,148,767</b>	<b>7,256,739</b>	<b>6,943,270</b>	<b>5,057,501</b>	<b>313,469</b>	<b>2,199,238</b>	<b>19,360,137</b>	<b>19,492,897</b>	<b>20,935,123</b>	<b>(132,760)</b>	<b>(1,574,986)</b>
<b>Non-Operating Income (Expense)</b>															
Interest Income	335	22,000	665	(21,665)	(330)	895	38,868	1,748	(37,974)	(853)	156,868	176,419	5,374	(19,551)	151,495
Interest (Expense)	(1,394,435)	(1,463,000)	(1,382,735)	68,565	(11,700)	(4,183,308)	(4,320,438)	(4,148,205)	137,130	(35,103)	(17,401,438)	(17,474,997)	(16,508,725)	73,559	(892,713)
Other Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Net Non-Operating Income (Expense)</b>	<b>(1,394,099)</b>	<b>(1,441,000)</b>	<b>(1,382,070)</b>	<b>46,901</b>	<b>(12,030)</b>	<b>(4,182,413)</b>	<b>(4,281,570)</b>	<b>(4,146,457)</b>	<b>99,157</b>	<b>(35,956)</b>	<b>(17,244,570)</b>	<b>(17,298,578)</b>	<b>(16,503,352)</b>	<b>54,008</b>	<b>(741,218)</b>
<b>Net Income (Loss)</b>	<b>1,027,268</b>	<b>830,501</b>	<b>(109,469)</b>	<b>196,766</b>	<b>1,136,737</b>	<b>3,074,326</b>	<b>2,661,700</b>	<b>911,043</b>	<b>412,626</b>	<b>2,163,283</b>	<b>2,115,567</b>	<b>2,194,319</b>	<b>4,431,771</b>	<b>(78,752)</b>	<b>(2,316,204)</b>
<b>CASH FLOW STATEMENT</b>															
<b>Cash Flows From Operating Activities</b>															
Operating Revenues	4,790,661	4,761,004	3,378,475	29,657	1,412,186	13,073,136	13,022,159	10,518,382	50,978	2,554,754	50,782,199	50,944,159	45,901,083	(161,960)	4,881,116
Operating Expenses (ex D&A)	(1,847,802)	(1,980,503)	(1,614,721)	132,701	(233,081)	(4,251,838)	(4,539,314)	(3,987,419)	287,476	(264,418)	(25,226,487)	(25,272,691)	(20,617,152)	46,205	(4,609,335)
Non-Cash Working Capital Changes	1,528,388	1,528,388	1,483,824	0	44,564	(3,667,617)	(3,667,617)	507,892	0	(4,175,508)	2,003,995	2,197,478	2,989,796	(193,483)	(985,801)
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>4,471,248</b>	<b>4,308,889</b>	<b>3,247,579</b>	<b>162,358</b>	<b>1,223,669</b>	<b>5,153,682</b>	<b>4,815,228</b>	<b>7,038,854</b>	<b>338,453</b>	<b>(1,885,173)</b>	<b>27,559,707</b>	<b>27,868,945</b>	<b>28,273,727</b>	<b>(309,238)</b>	<b>(714,020)</b>
<b>Cash Flows From Financing Activities</b>															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	-	-	-	1,200,000	1,200,000	-	-	1,200,000
Interest Payments	-	-	-	-	-	-	-	-	-	-	(12,799,531)	(12,799,531)	(11,600,444)	-	(1,199,087)
Principal Payments	-	-	-	-	-	-	-	-	-	-	(2,660,831)	(2,660,831)	(2,514,642)	-	(146,189)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(14,260,362)</b>	<b>(14,260,362)</b>	<b>(14,115,086)</b>	<b>-</b>	<b>(145,276)</b>
<b>Cash Flows from Capital and Related Activities</b>															
Non-Operating Income (Expenses)	(643,325)	(643,325)	(621,762)	-	(21,563)	(643,325)	(643,325)	(621,762)	-	(21,563)	(1,286,650)	(1,286,650)	(1,243,524)	-	(43,126)
Capital Expenditures, net	(214,910)	(725,098)	(541,499)	510,188	326,590	(722,541)	(1,030,053)	(954,619)	307,512	232,078	(6,661,300)	(7,058,800)	(3,825,566)	397,500	(2,835,734)
<b>Net Cash Provided By (Used In) Capital and Related Activities</b>	<b>(858,235)</b>	<b>(1,368,423)</b>	<b>(1,163,261)</b>	<b>510,188</b>	<b>305,027</b>	<b>(1,365,866)</b>	<b>(1,673,378)</b>	<b>(1,576,381)</b>	<b>307,512</b>	<b>210,515</b>	<b>(7,947,950)</b>	<b>(8,345,450)</b>	<b>(5,069,090)</b>	<b>397,500</b>	<b>(2,878,860)</b>
<b>Cash Flows From Investing Activities</b>															
Investments Converting To Cash	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchased Investments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	335	22,000	665	(21,665)	(330)	895	38,868	1,748	(37,974)	(853)	156,868	176,419	5,374	(19,551)	151,495
<b>Net Cash Provided By (Used In) Investing Activities</b>	<b>335</b>	<b>22,000</b>	<b>665</b>	<b>(21,665)</b>	<b>(330)</b>	<b>895</b>	<b>38,868</b>	<b>1,748</b>	<b>(37,974)</b>	<b>(853)</b>	<b>156,868</b>	<b>176,419</b>	<b>5,374</b>	<b>(19,551)</b>	<b>151,495</b>
<b>FUND NET CASH FLOWS</b>	<b>3,613,348</b>	<b>2,962,466</b>	<b>2,084,983</b>	<b>650,882</b>	<b>1,528,365</b>	<b>3,788,710</b>	<b>3,180,718</b>	<b>5,464,221</b>	<b>607,992</b>	<b>(1,675,511)</b>	<b>5,508,264</b>	<b>5,439,552</b>	<b>9,094,925</b>	<b>68,711</b>	<b>(3,586,662)</b>
<b>DEBT SERVICE RATIO</b>															
<b>Debt Service Ratio (Indenture Based)</b>															
User Charges	3,783,183	3,755,000	3,245,878	28,183	537,306	11,603,738	11,497,984	9,777,951	105,754	1,825,787	46,460,984	46,388,630	42,276,435	72,354	4,184,549
Operating Expenses (Cash Based)	(1,847,802)	(1,980,503)	(1,614,721)	132,701	(233,081)	(4,251,838)	(4,539,314)	(3,987,419)	287,476	(264,418)	(25,226,487)	(25,272,691)	(20,617,152)	46,205	(4,609,335)
Interest Income	335	22,000	665	(21,665)	(330)	895	38,868	1,748	(37,974)	(853)	156,868	176,419	5,374	(19,551)	151,495
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	1,007,478	1,006,004	132,598	1,473	874,880	1,469,398	1,524,175	740,431	(54,777)	728,967	4,321,215	4,555,529	3,624,648	(234,314)	696,567
<b>Cash Available For Debt Service</b>	<b>2,943,195</b>	<b>2,802,501</b>	<b>1,764,420</b>	<b>140,693</b>	<b>1,178,775</b>	<b>8,822,193</b>	<b>8,521,713</b>	<b>6,532,710</b>	<b>300,480</b>	<b>2,289,483</b>	<b>25,712,580</b>	<b>25,847,886</b>	<b>25,289,305</b>	<b>(135,306)</b>	<b>423,275</b>
Interest Paid	1,066,628	1,066,628	966,704	-	99,924	3,199,883	3,199,883	2,900,111	-	299,772	12,799,531	12,799,531	11,600,444	-	1,199,087
Debt Retirement (Principal Payments)	221,736	221,736	209,554	-	12,182	665,208	665,208	628,661	-	36,547	2,660,831	2,660,831	2,514,642	-	146,189
<b>Total Debt Service</b>	<b>1,288,364</b>	<b>1,288,364</b>	<b>1,176,257</b>	<b>-</b>	<b>112,106</b>	<b>3,865,091</b>	<b>3,865,091</b>	<b>3,528,772</b>	<b>-</b>	<b>336,319</b>	<b>15,460,362</b>	<b>15,460,362</b>	<b>14,115,086</b>	<b>-</b>	<b>1,345,276</b>
<b>Debt Service Ratio</b>	<b>2.28</b>	<b>2.18</b>	<b>1.50</b>	<b>0.11</b>	<b>0.78</b>	<b>2.28</b>	<b>2.20</b>	<b>1.85</b>	<b>0.08</b>	<b>0.43</b>	<b>1.66</b>	<b>1.67</b>	<b>1.79</b>	<b>(0.01)</b>	<b>(0.13)</b>

**LEHIGH COUNTY AUTHORITY**  
**VARIANCE ANALYSIS - MONTH**  
**For the Period Ended March 31, 2022**

**STATEMENTS OF ACTIVITIES**

**Operating Revenues:**

User Charges  
Connection & System Charges  
Other Miscellaneous Revenues

**Total Operating Revenues**

**Operating Expenses:**

Personnel  
Shared Services - General & Administrative  
Utilities  
Materials and Supplies  
Miscellaneous Services  
Treatment and Transportation  
Depreciation and Amortization  
Major Maintenance Expenses  
Other Miscellaneous

**Total Operating Expenses**

**Net Operating Profit**

**Non-Operating Income (Expense)**

Interest Income  
Interest (Expense)  
Other Miscellaneous

**Net Non-Operating Income (Expense)**

**Net Income (Loss)**

**CASH FLOW STATEMENT**

**Cash Flows From Operating Activities**

Operating Revenues  
Operating Expenses (ex D&A)  
Non-Cash Working Capital Changes

**Net Cash Provided by (Used in) Operating Activities**

**Cash Flows From Financing Activities**

Capital Contributions  
Proceeds New Borrowing  
Interest Payments  
Principal Payments

**Net Cash Provided by (Used in) Financing Activities**

**Cash Flows from Capital and Related Activities**

Non-Operating Income (Expenses)  
Capital Expenditures, net

**Net Cash Provided By (Used In) Capital and Related Activities**

**Cash Flows From Investing Activities**

Investments Converting To Cash  
Purchased Investments  
Interest Income

**Net Cash Provided By (Used In) Investing Activities**

**FUND NET CASH FLOWS**

City Division			
Actual	Q1 FC	FC Var	Comments
3,783,183	3,755,000	28,183	
1,003,653	1,004,004	(352)	
3,825	2,000	1,825	
<b>4,790,661</b>	<b>4,761,004</b>	<b>29,657</b>	<b>Higher user charges and slightly higher miscellaneous</b>
1,346,984	1,366,503	19,520	
100,788	101,000	212	
143,710	146,000	2,290	
170,428	252,000	81,572	Lower purification supplies and lower equipment
79,447	115,000	35,553	Lower maintenance services
-	-	-	
521,492	509,000	(12,492)	
6,445	-	(6,445)	
-	-	-	
<b>2,369,294</b>	<b>2,489,503</b>	<b>120,209</b>	<b>Lower materials/supplies, and lower service</b>
<b>2,421,367</b>	<b>2,271,501</b>	<b>149,866</b>	<b>Higher operating revenues along with lower expenses</b>
335	22,000	(21,665)	
(1,394,435)	(1,463,000)	68,565	
-	-	-	
<b>(1,394,099)</b>	<b>(1,441,000)</b>	<b>46,901</b>	<b>Lower interest income more than offset by lower interest expense</b>
<b>1,027,268</b>	<b>830,501</b>	<b>196,766</b>	<b>Higher net operating income added by favorable financial activity</b>

4,790,661	4,761,004	29,657	
(1,847,802)	(1,980,503)	132,701	
1,528,388	1,528,388	0	
<b>4,471,248</b>	<b>4,308,889</b>	<b>162,358</b>	<b>Higher cash from operations</b>
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
(643,325)	(643,325)	-	
(214,910)	(725,098)	510,188	
<b>(858,235)</b>	<b>(1,368,423)</b>	<b>510,188</b>	<b>Lower capex</b>
-	-	-	
-	-	-	
335	22,000	(21,665)	
<b>335</b>	<b>22,000</b>	<b>(21,665)</b>	<b>Lower interest income</b>
<b>3,613,348</b>	<b>2,962,466</b>	<b>650,882</b>	<b>Higher cash from operations and lower capex with a partial offset from lower interest income</b>



LEHIGH COUNTY AUTHORITY  
CASH & INVESTMENT SUMMARY  
For the Period Ended March 31, 2022

	Suburban Water				Suburban Wastewater				City Division				Total			
	3/31/2022 Actual	2022 Forecast	2022 Budget	2021 Actual	3/31/2022 Actual	2022 Forecast	2022 Budget	2021 Actual	3/31/2022 Actual	2022 Forecast	2022 Budget	2021 Actual	3/31/2022 Actual	2022 Forecast	2022 Budget	2021 Actual
Cash																
Operating																
Unrestricted	4,365,579	4,870,401	4,277,520	4,348,472	(101,473)	4,583,771	8,147,829	442,983	7,637,573	14,591,917	14,389,739	6,779,585	11,362,541	24,046,089	26,815,088	11,571,041
Restricted	-	-	-	-	-	428	272	-	16,821,073	33,294,883	18,916,191	25,794,847	16,821,073	33,295,311	18,916,463	25,794,847
Total Operating	4,365,579	4,870,401	4,277,520	4,348,472	(101,473)	4,584,200	8,148,101	442,983	24,458,646	47,886,800	33,305,930	32,574,433	28,183,614	57,341,400	45,731,551	37,365,888
Capital																
Unrestricted	319,727	319,723	2,042,457	319,718	7,290,772	6,145,240	7,672,019	5,955,385	11,022,717	11,022,601	169,980	3,022,601	18,633,216	17,487,564	9,884,456	9,297,704
Restricted	-	-	-	-	338,368	337,932	337,932	338,360	7,500,032	7,500,032	7,500,000	7,500,035	7,838,400	7,837,964	7,837,932	7,838,396
Total Capital	319,727	319,723	2,042,457	319,718	7,629,141	6,483,172	8,009,951	6,293,745	18,522,749	18,522,633	7,669,980	10,522,636	26,471,616	25,325,528	17,722,388	17,136,099
Other Restricted																
Debt Reserves	1,648,596	1,648,569	1,858,493	1,648,569	-	-	-	-	31,397,780	9,689,296	28,976,677	27,493,396	33,046,376	11,337,866	30,835,170	29,141,965
Escrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Restricted	1,648,596	1,648,569	1,858,493	1,648,569	-	-	-	-	31,397,780	9,689,296	28,976,677	27,493,396	33,046,376	11,337,866	30,835,170	29,141,965
Total Cash	6,333,902	6,838,693	8,178,470	6,316,759	7,527,668	11,067,372	16,158,052	6,736,728	74,379,176	76,098,729	69,952,587	70,590,465	87,701,607	94,004,794	94,289,109	83,643,953
Investments																
Operating																
Unrestricted	1,960,134	1,574,940	1,497,825	1,974,940	-	-	(589,802)	-	-	-	-	-	1,960,134	1,574,940	908,023	1,974,940
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating	1,960,134	1,574,940	1,497,825	1,974,940	-	-	(589,802)	-	-	-	-	-	1,960,134	1,574,940	908,023	1,974,940
Capital																
Unrestricted	1,000,258	1,000,184	1,000,000	1,000,184	5,976,826	6,977,548	6,977,548	6,977,548	-	-	-	-	6,977,083	7,977,731	7,977,548	7,977,731
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital	1,000,258	1,000,184	1,000,000	1,000,184	5,976,826	6,977,548	6,977,548	6,977,548	-	-	-	-	6,977,083	7,977,731	7,977,548	7,977,731
Other Restricted																
Debt Reserves	-	-	244,924	-	-	-	-	-	-	-	-	-	-	-	244,924	-
Escrow	367,914	295,372	4,210,752	295,372	-	-	-	-	-	-	-	-	367,914	295,372	4,210,752	295,372
Total Other Restricted	367,914	295,372	4,455,676	295,372	-	-	-	-	-	-	-	-	367,914	295,372	4,455,676	295,372
Total Investments	3,328,305	2,870,496	6,953,501	3,270,496	5,976,826	6,977,548	6,387,746	6,977,548	-	-	-	-	9,305,131	9,848,043	13,341,247	10,248,043
Total Cash and Investments	9,662,207	9,709,189	15,131,971	9,587,255	13,504,494	18,044,920	22,545,798	13,714,276	74,379,176	76,098,729	69,952,587	70,590,465	97,006,738	103,852,837	107,630,356	93,891,996
Summary																
Cash																
Unrestricted	4,685,306	5,190,124	6,319,977	4,668,190	7,189,299	10,729,012	15,819,848	6,398,368	18,660,290	25,614,518	14,559,719	9,802,186	29,995,757	41,533,653	36,699,544	20,868,744
Restricted	1,648,596	1,648,569	1,858,493	1,648,569	338,368	338,360	338,204	338,360	55,718,885	50,484,211	55,392,868	60,788,279	57,705,850	52,471,140	57,589,565	62,775,208
Total Cash	6,333,902	6,838,693	8,178,470	6,316,759	7,527,668	11,067,372	16,158,052	6,736,728	74,379,176	76,098,729	69,952,587	70,590,465	87,701,607	94,004,794	94,289,109	83,643,953
Investments																
Unrestricted	2,960,391	2,575,123	2,497,825	2,975,123	5,976,826	6,977,548	6,387,746	6,977,548	-	-	-	-	8,937,217	9,552,671	8,885,571	9,952,671
Restricted	367,914	295,372	4,455,676	295,372	-	-	-	-	-	-	-	-	367,914	295,372	4,455,676	295,372
Total Investments	3,328,305	2,870,496	6,953,501	3,270,496	5,976,826	6,977,548	6,387,746	6,977,548	-	-	-	-	9,305,131	9,848,043	13,341,247	10,248,043
Total Cash and Investments	9,662,207	9,709,189	15,131,971	9,587,255	13,504,494	18,044,920	22,545,798	13,714,276	74,379,176	76,098,729	69,952,587	70,590,465	97,006,738	103,852,837	107,630,356	93,891,996

CERTIFICATES OF DEPOSIT

31-Mar-22						
Fund	Bank	Location	Gross Amount	Date of Purchase	Date Due	Net Rate %
WW Capac	Popular Bank	New York, NY	248,000.00	3/23/22	3/25/24	1.850

## **DEVELOPMENT ACTIVITY**

### **Water system construction is occurring in the following developments:**

5420 Crackersport Road, 1 commercial lot, UMT  
8323/8449 Congdon Hill Drive, 2 industrial lots with warehouses, LMT  
Fields at Indian Creek, Phases 4 & 5, 86 residential units (sfd), water and sewer, UMiLT & Emmaus  
Kohler Tract, 123 residential lots (sfa), water and sewer, UMiLT  
Lehigh Hills, Lot 5 Phase 2, 240 residential units (sfd.), UMT  
Lehigh Hills Townhouses, 24 townhouse units (sfa), UMT  
Mountain View Estates, 27 residential units (sfd), LMT  
Sauerkraut Lane Extension, Roadway & water line extension, LMT  
West Hills Business Center Lot H, 1 commercial lot, Weisenberg T

### **Water system plans are being reviewed for the following developments:**

749 Route 100, 1 industrial lot with warehouse, UMT  
3369 Rt 100 Neighborhood Hospital & Medical Offices, 1 commercial lot, LMT  
5329-5347-5357 Hamilton Blvd., 1 commercial lot, LMT  
ABE Doors & Windows Redevelopment, 1 commercial lot, LMT  
Advanced Health Care of Allentown, 1 commercial lot, LMT  
ATAS International, 1 industrial lot, UMT  
Carriage East Residential Development, 11 residential units, (sfd), UMT  
Estates at Maple Ridge, 30 residential units (sfd), UMiLT  
Fields at Brookside, water main relocation, LMT  
Fallbrooke Residential Subdivision, 90 sf residential units, UMT  
Green Hills Commerce Center III, 1 commercial lot, UMT  
Guardian Self-Storage, 1 commercial lot, LMT  
Hidden Meadows - Phase 3, 20 townhouse units, UMT - NEW  
Laurel Field, Phase 5, 25 townhouses, UMT  
Madison Village at Penn's View, 66 manufactured homes, 1 lot, water and sewer, LynnT  
Mertztown Residential Subdivision, 264 sf units & 136 townhouse units, LMT  
Mosser Road Subdivision, 10 sf units, UMT  
Parkland Crossing (formerly 1224 Weilers Rd Twins), 144 townhouse units, UMT  
Ridings at Parkland, Phase 2, 38 residential units (sfd), NWT  
Self-Storage Facility, Cedarbrook Road – 1 Commercial Lot, LMT  
Schoeneck Road, Lot 1, 1 lot, warehouse, LMT  
Sheetz, Cetronia Road, 1 commercial lot, UMT  
Spring Creek Properties, Lot 12, 1 lot, warehouse, LMT  
The Annex at Fields at Indian Creek, 22 S.F. residential units, Emmaus Borough  
Towneplace Suites by Marriott, 91-room hotel, UMT  
Towns At Schaefer Run, 128 townhouse unit (sfd), UMT

### **Sewage Facilities Planning Modules Reviewed in Prior Month:**

Neighborhood Hospital & Medical Office Building, LMT, 1,460 gpd.  
Iron Run, Lot 61 Warehouse, UMT, 1,575 gpd.  
Popeyes Restaurant, Allentown, -600 gpd.  
Kerrigan-2150 Elbow, LMT, 223 gpd.  
Rice Subdivision, Emmaus, 0 gpd.

Presented: April 25, 2022

Critical Activities	System	Description	Mar-22	2022 Totals	2021 Totals	Permit
			Daily Avg (MGD)	Daily Avg (MGD)	Daily Avg (MGD)	Daily Max (MGD)
Water Production	Allentown	Total	22.01	21.78	22.00	39.0
		Schantz Spring	7.00	6.69	7.29	9.0
		Crystal Spring	3.87	3.85	3.75	4.0
		Little Lehigh Creek	11.10	11.18	10.84	30.0
		Lehigh River	0.03	0.04	0.11	28.0
	Central Lehigh	Total	11.47	10.47	10.98	19.04 MGD Avg
		Feed from Allentown	7.43	6.97	7.29	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	4.04	3.50	3.69	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.13	0.12	0.13	1.71 Sum of all wells
Wastewater Treatment		Kline's Island	32.07	31.71	32.27	40.0
		Pretreatment Plant	5.20	4.85	5.17	5.75 (design capacity)
		Sum of all (5) other Suburban WW Systems	0.19	0.18	0.21	0.36
			Mar-22	2022 Totals	2021 Totals	2020 Totals
Precipitation Totals (inches)			4.28	10.7	44.67	60.66
Compliance Reports Submitted to Allentown			39	87	280	278
Notices of Violation (NOVs)		(Allentown + Suburban)	1	1	3	1
Sanitary Sewer Overflows (SSOs)/Bypasses		(Allentown + Suburban)	1	5	26	37
Main Breaks Repaired		Allentown	2	12	20	20
		Suburban	1	2	14	12
Customer Service Phone Inquiries		(Allentown + Suburban)	860	2,652	15,857	22,992
Water Shutoffs for Non-Payment		(Allentown + Suburban)	176	448	1,773	1,956
Injury Accidents		(Allentown + Suburban)	1	2	8	10
Emergency Declarations		Allentown	0	1 @ \$213,593	0	2 @ \$152,053
		Suburban	0	0	1 @ \$48,000	1 @ \$19,335
Significant Repairs/Upgrades:						
Description of NOVs and/or SSOs:						
There was one (1) NOV that was issued to LCA Pretreatment Plant in March 2022. The Department of Environmental Protection's letter and LCA's response is included in the operations report. There was one (1) public SSO in Allentown on E Woodland Street. A sewer blockage was caused by grease build up from an apartment complex. The total estimated overflow volume was 100 gallons.						
Other Highlights:						

March 7, 2022

## **NOTICE OF VIOLATION**

### **Delivered via email**

Lehigh County Authority  
PO Box 3348, 1053 Spruce Road  
Allentown, PA 18106-9408

Attention: Mr. Andrew Moore, Director of Plant Operations

RE: Industrial Waste  
Lehigh County Pretreatment Plant  
NPDES Permit No. PAS902202  
Upper Macungie Township, Lehigh County

Dear Mr. Moore:

On February 7, 2022 the Department of Environmental Protection (Department) received a message from Diana Heimbach, Jacobs Project Manager, Lehigh County Pretreatment Plant, notifying the Department that an overflow occurred at the Lehigh County Pretreatment Plant's waste receiving station. The overflow occurred on February 5, 2022 due to a power outage resulting in the level sensor, pumps and back up floats to be disabled, causing an estimated 2,000 gallons of secondary sludge to overflow to the nearby roadway and ground. Ms. Heimbach called a Department representative's phone rather than the main phone for the Northeast Regional Office, which is monitored continuously, resulting in a delay in notification.

NPDES Permit No. PAS902202 Part A.III.C.3. states, in relevant part, the permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b). The permittee shall provide oral notification within 4 hours from the time the permittee becomes aware of the incident and submit a written report to the Department within 5-days of the time the permittee becomes aware of any noncompliance. Lehigh County Authority did not provide immediate oral notification to the Northeast Regional Office for the unpermitted discharge, which constitutes a violation of Part A.III.C.3. of the NPDES Permit.

On February 9, 2022, the Department received a written report citing the incident and the overflow was contained on the permittee's property.

The above-described discharge is not authorized by NPDES Permit No. PAS902202, and, therefore, said discharge is a violation of Section 201 of the Clean Streams Law of Pennsylvania.

Additionally, a review of the Lehigh County Authority's Discharge Monitoring Reports ("DMRs") has indicated an effluent violation with respect to the limitations set forth in NPDES Permit No. PAS902202. Specifically, the violations reflected in the DMRs are as follows:

<u>Monitoring Period</u>	<u>Parameter</u>	<u>Permit Limit</u>	<u>Reported Value</u>
January 1-June 30 2020	Total Suspended Solids	100 mg/L	154.1 mg/L

Please be advised that the unpermitted discharge described above and the failure to comply with the terms and conditions of your permit are violations of Lehigh County Authority's NPDES Permit and the Clean Streams Law of Pennsylvania, Act of June 22, 1937, P.L. 1987, as amended, 35 P.S. Section 691.1 et seq. ("The Clean Streams Law") and subjects Lehigh County Authority to appropriate enforcement action including, but not limited to, civil penalty assessment.

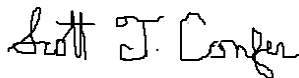
**The Department requests that you respond in writing to this notice within 15 days of its receipt.** Said response should indicate the cause of the above-described non-compliance and the steps that will be or have been taken, in order to ensure future compliance.

The Department requests that Lehigh County Authority submit a detailed compliance plan to eliminate similar potential incidents, along with an associated schedule, for review within 30 days of receipt of this notice.

This Notice of Violation is neither an order nor any other final action of the Department. It neither imposes nor waives any enforcement action available to the Department under its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

If you have any questions concerning this correspondence, you may contact me at 610-861-2135.

Sincerely,



Scott T. Confer  
Water Quality Specialist  
Clean Water Program

cc: Upper Macungie Township



1053 SPRUCE ROAD \* P.O. BOX 3348 \* ALLENTOWN, PA 18106-0348  
610-398-2503 \* FAX 610-398-8413 \* [www.lehighcountyauthority.org](http://www.lehighcountyauthority.org)  
email: [AndrewMoore@lehighcountyauthority.org](mailto:AndrewMoore@lehighcountyauthority.org)

March 21, 2022

Mr. Scott Confer  
Water Quality Specialist  
Pennsylvania Department of Environmental Protection  
Bethlehem District Office  
4530 Bath Pike  
Bethlehem, PA 18017-9044

Re: Industrial Waste  
Lehigh County Pretreatment Plant  
NPDES Permit No. PAS902202  
Upper Macungie Township, Lehigh County

Dear Mr. Confer:

The Lehigh County Authority (LCA) is in receipt of the Notice of Violation electronically delivered on March 7, 2022. The following is the required response to the permit violations that took place between January 2020 and February 2022.

The Pretreatment Plant (PTP) is a pure oxygen activated sludge facility owned by LCA and operated by Jacobs. The facility accepts waste from surrounding municipalities and operates a hauled waste program. Treated wastewater is discharged into a LCA owned interceptor where it is combined with other untreated waste in the conveyance system. The combined wastewater is ultimately treated at LCA's Kline's Island Wastewater Treatment Plant and discharged into the Lehigh River. The facility does not hold a National Pollutant Discharge Elimination System (NPDES) permit for its discharged wastewater but does operate under a NPDES permit for its stormwater discharge, NPDES Permit No. PAS902202.

### **Sewage Spill – February 2022**

On Saturday, February 5, 2022, between 7:05 and 10:20 A.M., Blue Ridge, a permitted hauler for Miller's Septic, discharged up to 12,000 gallons across 3 truckloads of secondary sludge from the Nestle Purina Plant into Discharge Location J, at the LCA

*Every drop matters. Every customer counts.*

PTP. During this time period, the Waste Receiving Station (WRS) lost power, which was unknown at the time of discharge. The 480V heater for the WRS failed, causing the breaker to trip and triggering a chain reaction of power failures, including the main control panel and power source breaker for the WRS. As a result, the level sensor, pumps, back-up float system, and alarms were without power. The loss of these control systems resulted in an overflow of the tank that was receiving the hauled waste. The tank that overflowed is on the opposite side of the screenings building, mostly out of view from the discharging hauler.

The concrete tank and surrounding overflow containment area holds approximately 9,000 gallons. The hauler was discharging his third load for approximately ten minutes when an operator noticed the overflow onto the roadway and immediately notified the hauler to stop discharging. Management was made aware of the situation and initiated notifications to Scott Confer, PA DEP, at 11:00 A.M. While the operator did not make direct contact, a voice mail was left and followed up with an email.

The concrete tank and associated road drain overflowed and ran down the main roadway towards Outfall #8 (see attached map). Due to the site's preventative measures, the sludge was captured in the roadway catch basin before entering the stormwater outfall. Sludge was also deposited around the base of the tank on the surrounding rocks and grass. A portion of the spill accumulated in the roadway catch basin and was vacuumed and cleaned. The catch basin was operating properly; therefore, the sludge did not make it outside the plant to Outfall #8. However, the plate in the catch basin is not leak proof and a small amount of sludge was able to escape under the plate onto the concrete area. Absorbent socks were used to dam the concrete area prior to the fence line to ensure no sludge made it to the outfall. Due to the spill occurring on the weekend during unfavorable weather conditions, additional clean up occurred the following week.

A backup power supply for the WRS control system including level sensors, floats, and alarms was installed to prevent recurrence. Additionally, an alarm system was installed to notify the driver or nearby plant personnel of a power outage at the WRS. Emergency Response Plan contact numbers have been updated with the PA DEP Northeast Emergency Hotline. Plant personnel were retrained and will contact the emergency hotline number in the event of future incidents.



## **TSS Exceedance – January-June 2020**

The monitoring period from January to June 2020 resulted in a Total Suspended Solids (TSS) exceedance at Outfall 002. Outfall 002 is located at the entrance of the facility and is in close proximity to Industrial Blvd. During this period extensive construction and road work was being completed outside of the facility but in the vicinity of Industrial Blvd. Due to the large volume of truck traffic in this area, dirt and dust was being introduced onto the roadway of the plant entrance and was not able to be controlled by LCA. Upon completion of the construction work, LCA has regained and remained in compliance.

The Lehigh County Authority takes our regulatory responsibilities very seriously and is always striving for full compliance.

If you have any questions, please do not hesitate to call me at 610-437-7681.

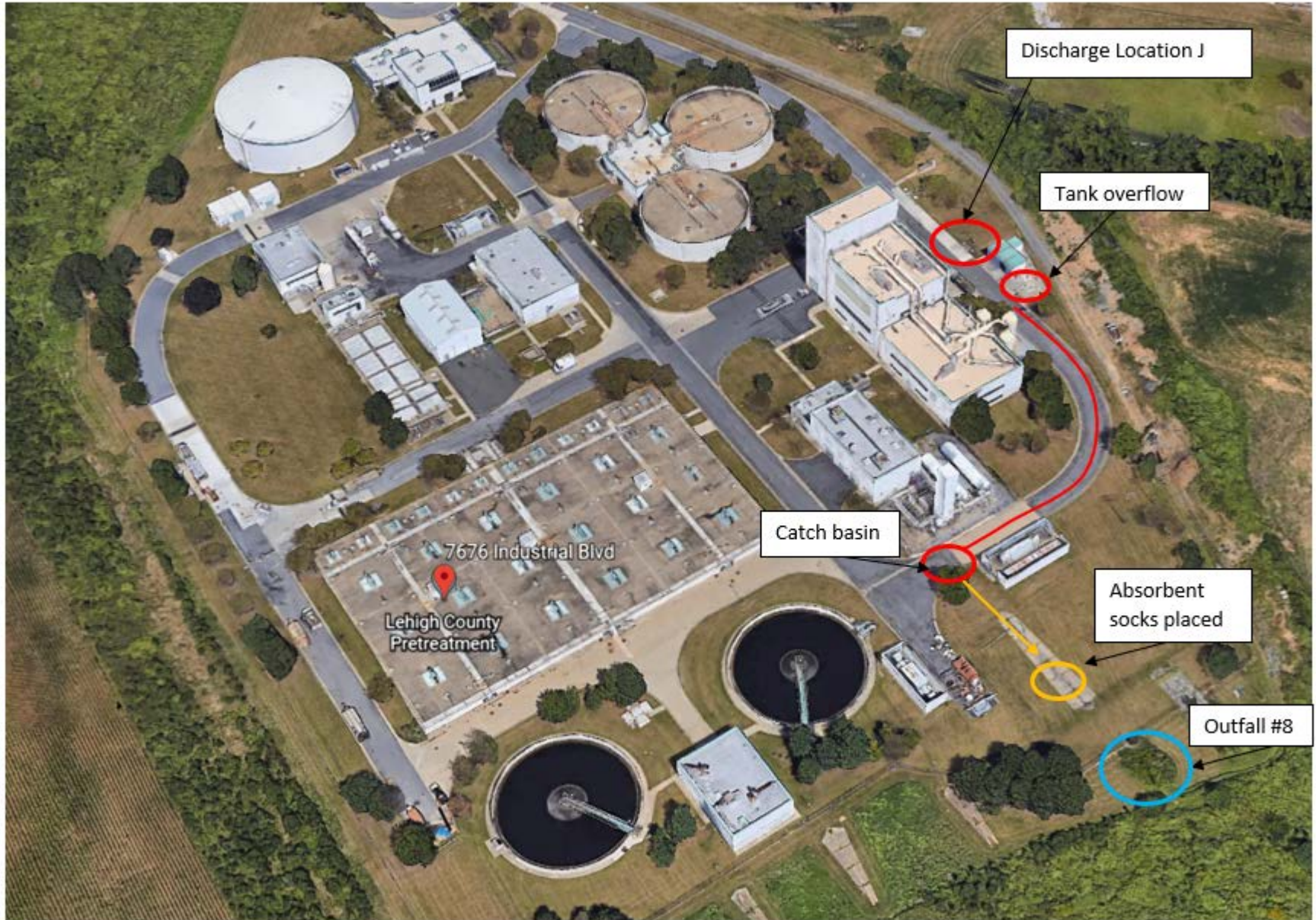
Sincerely,



Andrew Moore  
Director of Plant Operations

cc: Liesel Gross, LCA  
Diana Heimbach, Jacobs

Enclosures: Spill Map



*Every drop matters. Every customer counts.*