

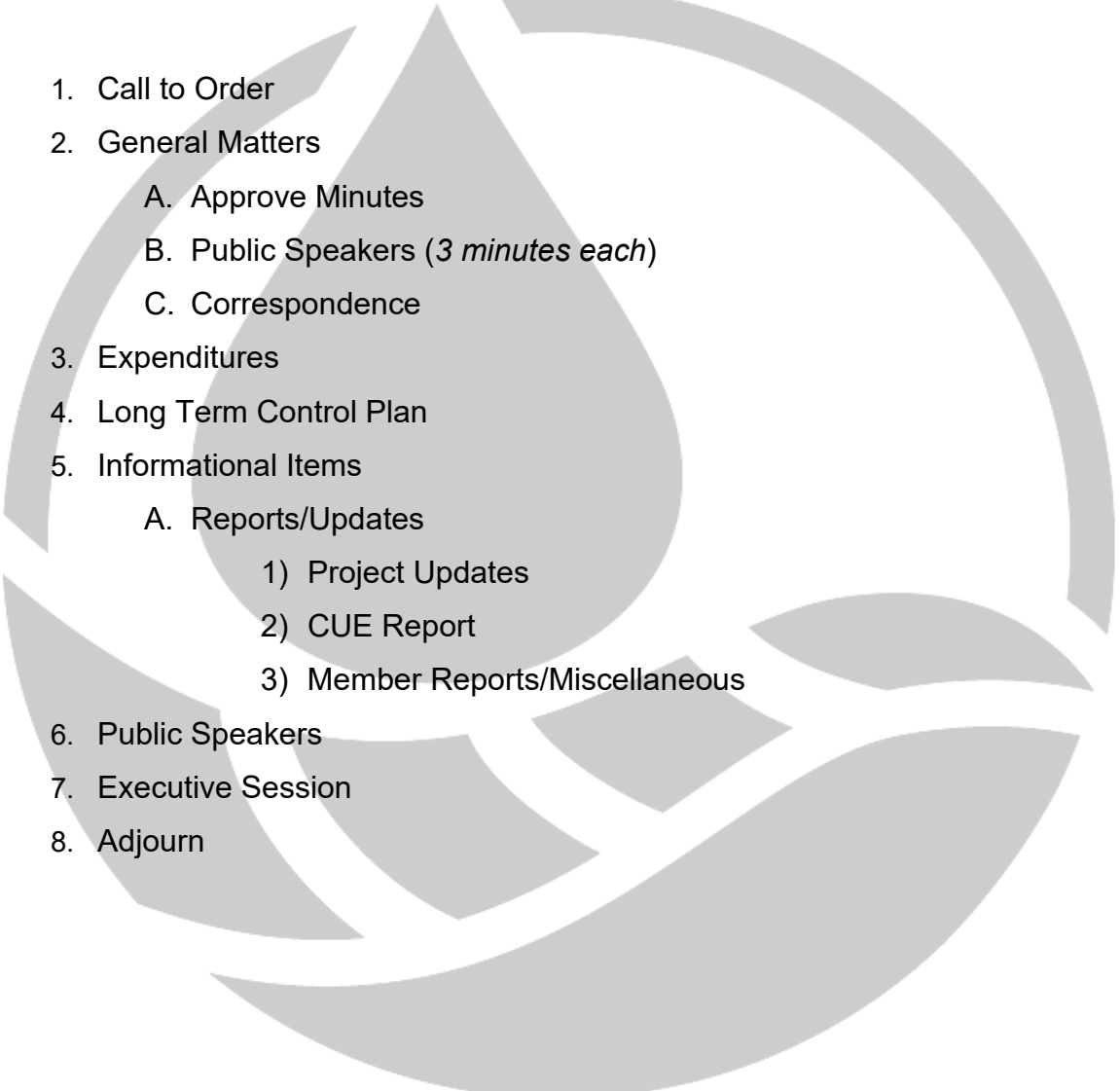
AGENDA

For

Tuesday

September 17, 2024

6:30 PM

- 
1. Call to Order
 2. General Matters
 - A. Approve Minutes
 - B. Public Speakers (*3 minutes each*)
 - C. Correspondence
 3. Expenditures
 4. Long Term Control Plan
 5. Informational Items
 - A. Reports/Updates
 - 1) Project Updates
 - 2) CUE Report
 - 3) Member Reports/Miscellaneous
 6. Public Speakers
 7. Executive Session
 8. Adjourn

Avon Lake Regional Water
MEMORANDUM

To: **Board of Municipal Utilities**
From: **Rob Munro**
Subject: **Agenda Items – September 17, 2024**
Date: **September 13, 2024**

- Item 1: **Call to Order**
- Item 2A: **Approve Minutes**
- Item 2B: **Public Speakers**
- Item 2C: **Correspondence**
- Item 3: **Expenditures**
- Item 4: **Long-Term Control Plan – RKM**

Ohio EPA performed an inspection on September 4, 2024 to evaluate the implementation of the Long-Term Control Plan minimum controls and compliance with the plan. The CUE will review correspondence received by Ohio EPA related to the inspection report along with recommended next steps for continued compliance with the plan.

Item 5A1: **Project Updates – GKY**

Power Plant Update: ALERG continues its cleanup from the implosion. Dan Rogatto, Plant Manager for the property under Charah and when the power plant was in operation is retiring with his last day on September 17, 2024. ALRW Staff would like to thank Mr. Rogatto for his work, dedication and professionalism in all of our interactions throughout the demolition process. The CUO will be meeting with him on September 16, 2024 to ensure there is continued communication as they transition to a new plant manager and continue the project.

ETL Design Services: Bramhall continues to work on the updated base maps regarding the redesign of the ETL suction line. It is expected that Bramhall will submit the updated base maps to Engineering Services staff for review by the end of October or early November. Easement acquisitions cannot move forward until the updated base maps are completed and new legal descriptions are drafted.

The CUE continues to work with Attorney Connie Carr on an updated cooperative agreement with ETL members. Once the draft agreement is complete it will be presented to ETL members. A fully executed cooperative agreement is necessary to move forward with the project.

WFP Improvements: The Great Lakes Construction Company (GLC) has formed and poured footers for the new chemical feed building. Discussions continue to finalize the upcoming outage requests for the new piping connections that will be required to connect the new filters to existing infrastructure. ALRW staff is ensuring that there will be multiple opportunities to abort the tie-ins and resume operation if the time needed to complete the work exceeds storage capacity.

SCADA Communication Upgrade: No update.

Item 5A2: **CUE Report – RKM**

Item 5A3: **Member Reports/Miscellaneous**

Item 6: **Public Speakers**

Item 7: **Executive Session**

The CUE requests an Executive Session to discuss the purchase and/or sale of property. The CUE does not anticipate any formal action by the Board following the Executive Session.

Recommended Motion:

I move to meet in executive session as allowed by ORC §121.22 (G)(2) to discuss the purchase and/or sale of public property, and to include the CUE, the CUO and a representative from Mansour Gavin.

Item 8: **Adjourn**

Board of Municipal Utilities
Meeting Minutes
September 3, 2024
201 Miller Road
Avon Lake, Ohio

Call to Order – Roll Call

The meeting was called to order at 6:30 PM. The meeting was held in-person using web-based video conferencing technology and streamed live to Facebook and YouTube.

Present: Mr. Abram, Mr. Dzwonczyk, Mr. Rickey, Mr. Rush and Mrs. Schnabel

Also present: CUE Munro, CUO Yuronich, Business & Financial Coordinator Logan, Attorney Bruce Rinker of Mansour-Gavin, William Zimmerman, and Gerald Phillips.

Approve Minutes

Mr. Dzwonczyk presented the Minutes of the August 20, 2024 regular meeting. With no additional changes, additions or corrections noted, he ordered that the minutes stand and be distributed as presented.

Public Speakers

William Zimmerman inquired why the previous meeting video was not uploaded to Facebook until fourteen days later. Mr. Munro stated that as he had discussed with Mr. Zimmerman on the phone, there were technical difficulties related to the Facebook streaming. Mr. Munro stated that it was available on the Avon Lake Regional Water YouTube Channel. Mr. Zimmerman responded that is where he had viewed it but felt many in the community prefer Facebook.

Mr. Zimmerman informed the Board that he felt the draft meeting minutes did not accurately reflect his statements at the previous meeting.

Gerald Phillips of 461 Windward Way stated that he is asking for a copy of the resolution by the Board authorizing the purchase of the property from ALERG and that he will put that request in writing. Mr. Phillips stated he will also be requesting a copy of the insurance policy naming ALRW as an insured for the fifteen-million-dollar environmental policy. Mr. Phillips also stated that he has a public records request for documents supporting the conditions listed in the purchase agreement that fall under the headings A1, A2, A3 and A4 along with B1 and B2. Mr. Phillips stated that he asked for a copy of the storm water permit along with demolition permits for the property that had the implosion. Mr. Phillips also added that he knew this Board had presented to the City of Lorain about providing water and stated that the City of Vermillion's water plant is in worse shape and wanted ALRW to consider supplying water to them.

Correspondence

None

Expenditures

Following review of expenses for funds and amounts as follows, Mr. Abram moved, Mrs. Schnabel seconded, to approve the expenditures of August 16 through August 29, 2024:

Water Fund 701	\$	1,884,622.46
Wastewater Fund 721	\$	1,727,198.34
ETL1 Fund 703	\$	14,278.89
ETL2 Fund 762	\$	817.69
LORCO Fund 749	\$	10,469.24
Water Construction Fund 704	\$	259.33
Wastewater Construction Fund 724	\$	259.33

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel

Nays: None

Motion carried.

Supplemental Appropriations

Business & Financial Coordinator Logan stated that it is necessary to make reappropriations throughout the year within individual budget funds to address expenses in certain line items. Mr. Logan stated that this is not increasing the budget as long as the total expenditures for each fund has the funds to cover the reappropriations. Mr. Logan stated that only the finance director has the authorization to make the reappropriations within the accounting system so that this is the reason for requesting the Board to act. Mr. Logan added that only a small portion of the reappropriations will increase the actual budget, and these were limited to Fund 706 – Water Debt Service, Fund 727 – Wastewater Debt Service and Fund 749 – LORCO. Mr. Logan stated that ALRW acts as the custodial agent for the LORCO 1 system, ALRW collects all revenue from all LORCO phases. The LORCO 1 checking account then reimburses LORCO 2 for money received for LORCO Phase II. Due to growth within that area of the system, more money has been reimbursed this year compared to years past.

Mr. Rush stated that because this is a public record he felt Mr. Logan should state the amount being reappropriated for each fund but that it was not necessary to state each individual line item. Mr. Logan informed the Board that funds would be reappropriated as follows: Fund 701 - \$80,669.64, Fund 703 - \$85,000, Fund 706 - \$68,730.74, Fund 721 - \$53,970.62, Fund 727 - \$39,659.39, Fund 749 - \$77,555.27 and Fund 762 - \$70,000 with a total for the appropriations being \$475,585.66.

Mr. Dzwonczyk moved, Mr. Rush seconded, to authorize the CUE and the Business & Financial Coordinator to execute the appropriations as presented to the Board.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel

Nays: None

Motion carried.

Project Updates

Power Plant Update: Mr. Yuronich informed the Board that the Avon Lake Environmental Redevelopment Group (ALERG) has been focused on clearing the debris from the implosion of two of the precipitators so that they can plan for the next implosion. Mr. Yuronich stated that staff has not been informed of when this next implosion will take place.

ETL Design Services: No update.

WFP Improvements: Mr. Yuronich stated that The Great Lakes Construction Company (GLC) has installed the electrical duct bank that will provide power to the new chemical feed building. Mr. Yuronich added that GLC has backfilled the area, compacted the fill and performed the compaction testing. Mr. Yuronich stated that they relocated the storm sewer and removed any abandoned storm sewer lines and removed a manhole and filled in those areas. Mr. Yuronich also informed the Board that ALRW staff and GLC had met to review the outage request to perform the filtrate line tie-in connecting the new filters to the existing plant. Mr. Yuronich added that because the WFP will have to be shut down for this tie-in, staff wished to include various cut-off points where the work could be paused to allow the WFP to resume treatment and replenish their reserves of treated drinking water. Mr. Rickey inquired if opening the West Ridge Emergency Interconnect to supplement the treated drinking water available was an option. Mr. Yuronich responded that due to not yet being able to flush the water main until Rural Lorain County Water Authority installs flushing points it would only be an emergency option. Mr. Dzwonczyk stated that he would like to see pictures to help the Board and the public understand what some of these discussions involve.

SCADA Communication Upgrade: Mr. Yuronich informed the Board that on August 28, 2024 he had met with a representative from the Cybersecurity and Infrastructure Security Agency (CISA) to review ALRW's cybersecurity practices and information technology (IT) network hardware and configuration. Mr. Yuronich stated that ALRW had already reviewed its physical security with CISA and that this was another offering they had. Mr. Yuronich stated that all of the IT system was reviewed with its third-party system integrator. Mr. Yuronich also added that this same review will be conducted for the operational technology (OT) integrator, but they had to cancel due to an emergency call-out with another customer of theirs. Mr. Yuronich informed the Board that there were a couple of easy to address improvements that will be made and that some of the other potential options will need to be planned out to balance accessibility with the improved security. Mr. Yuronich also added that once the report is complete staff will also have access to the assessment tool used in this evaluation to allow updates as improvements are made within the IT or OT networks. Mr. Yuronich added that even though a full review of the OT network was not conducted, CISA did perform review of the plans and location for the new server room at the WFP and felt that the plans met all current best-practices. Mr. Dzwonczyk reiterated that pictures would be beneficial to the Board and the public.

CUE Report

Mr. Munro addressed a few of Mr. Phillips questions from earlier in the meeting by stating that several of the documents Mr. Phillips had requested had either been provided to him in the past with other information requests or via email earlier in the day and that he would follow up with him to ensure everything requested had been received. Mr. Munro reiterated that any public record that is requested will be provided. Mr. Dzwonczyk stated that ALRW should have a transmittal record that acknowledges which records are distributed so that these could be referenced in the future so that staff aren't having to rely on memory which records have already been distributed.

Miscellaneous & Member Reports

Mr. Abram inquired if there was any possibility that ALRW could take over operations of Vermillion's WFP. Mr. Munro responded that if ALRW was going to expand its service area westward, taking over that facility was not the best option. Mr. Munro stated that WFP Gibboney had been a contract operator for a short period of time while at his previous job and that the facility is in very rough shape and was in need of many upgrades.

Mr. Abram informed the Board that plans are nearing completion for the Eaton Crossings subdivision that will be served by LORCO. Mr. Abram stated that as of August 31, 2024 there were a total of sixteen-hundred and thirty-one taps on the LORCO Phase 1 system.

Mr. Abram also stated that he had provided the Board and ALRW staff with an article from Water World that addressed the new USEPA rules regarding PFAS. Mr. Abram informed the Board that utilities have until 2029 to implement solutions to reduce PFAS within their water.

Mr. Dzwonczyk asked how many taps on the LORCO system are projected within the next twelve to twenty-four months. Mr. Abrams responded that it should be an additional one to two-hundred. Mr. Dzwonczyk stated that this would be approximately eighteen-hundred and getting closer to LORCO reaching a break-even point in the operating budget.

Public Speakers

Mr. Zimmerman restated that he was unhappy that the August 20, 2024 meeting was not available on Facebook as not all residents may use or like the YouTube platform. Mr. Zimmerman also stated that he did feel the interactions he had with Mr. Rickey and Mrs. Schnabel were fairly addressed. Mr. Zimmerman also claimed that he hopes the Board of Municipal Utilities does not reach the point of Avon Lake City Council whom he fights with regularly. Mr. Zimmerman stated that he has fought with, sued and won disagreements with the City of Avon Lake in the past and is prepared to do so again if needed.

Executive Session

Mr. Rush moved, Mr. Abram seconded, to meet in executive session as allowed by ORC §121.22 (G)(1) and (G)(2) to discuss the employment and/or dismissal of a public employee and the purchase or sale of public property and to include the CUE, the CUO, the Business & Financial Coordinator and Attorney Rinker.

Ayes (per roll-call vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel

Nays: None

Motion carried.

The Board entered Executive Session at 7:02 PM

The Board reconvened the public meeting at 7:57 PM

Adjourn

As there was no further business, Mr. Abram moved, Mr. Rush seconded, to adjourn. The meeting adjourned at 7:58 PM.

Ayes (per voice vote): Abram, Dzwonczyk, Rickey, Rush and Schnabel

Nays: None

Motion carried.

Approved September 17, 2024.

John Dzwonczyk, Chairman

Robert Munro, Clerk



AVON LAKE REGIONAL WATER
FUND 701 - WATER
AUGUST 30 - SEPTEMBER 12, 2024
SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	GL Sum	YTD Transactions	Budget	% of Budget Remaining
1 Water Employees	\$ 68,574.33	Salaries PR Post BW 220418	51102	\$ 68,574.33	\$ 1,220,963.85	\$ 2,270,400.00	46.22%
2 Water Employees	\$ 681.79	Overtime Wages Plant PR Post BW 220418	51106-101	\$ 681.79	\$ 21,781.22	\$ 95,000.00	77.07%
3 Water Employees	\$ 243.72	Overtime Wages Dist/Col PR Post BW 220418	51106-102	\$ 243.72	\$ 7,051.35	\$ 19,900.00	64.57%
4 Water Employees	\$ 852.91	Overtime Wages Admin Post BW 220418	51106-103	\$ 852.91	\$ 13,801.15	\$ 19,300.00	28.49%
5 Water Employees	\$ 60.57	Overtime Wages Construction Post BW 220418	51106-104	\$ 60.57	\$ 4,454.80	\$ 4,100.00	-8.65%
6 Water Employees	\$ 243.61	Overtime Wages Office Post BW 220418	51106-105	\$ 243.61	\$ 13,602.83	\$ 14,600.00	6.83%
7 Water Employees	\$ 3,334.00	Employee Time Buyback PR Post BW 220418	52115	\$ 3,334.00	\$ 47,469.21	\$ 110,300.00	56.96%
8 Medical Mutual	\$ 99.90	MMO SHARE Payment-week ending 08/30/2024	52203				
9 Medical Mutual	\$ 227.94	MMO HRA Payment-week ending 08/30/2024	52203				
10 Medical Mutual	\$ (1,446.96)	Payroll Post BW Bi-Weekly 2202418 Hospitalization	52203	\$ (1,938.79)	\$ 393,626.58	\$ 589,900.00	33.27%
11 Medical Mutual	\$ (819.67)	Aug 2024 COBRA Premiums-Robertson, Longwell	52209	\$ 10,426.96	\$ 184,934.29	\$ 361,382.00	48.83%
12 Ohio Public Employee Retirement System	\$ 10,426.96	OPERS - EMPLOYEE - OPERS Pension	52212	\$ 1,045.95	\$ 19,156.26	\$ 37,864.00	49.41%
13 Internal Revenue Service	\$ 1,045.95	Medicare FEDERAL - Federal Taxes 9/5/24	52212				
14 4Imprint Inc.	\$ 420.54	Clothing - Poles & Pullovers - T. Lutz, M. Howell 8/21/24 - WDL 1/2	52226	\$ 682.44	\$ 5,377.74	\$ 14,000.00	61.59%
15 Cintras Corporation	\$ 261.90	Mat Renalt & CLathing Svc - August 2024 - WDL 1/4	52226				
16 Link Computer Corporation	\$ 2,807.48	Muni-Link Billing - October 2024 - WDL 1/3	53602				
17 Minuteman Press	\$ 84.60	Off Spl - Inspection Cards 8/26/24 - WDL 1/2	53602				
18 Springbrook Holding Company LLC	\$ 172.13	Standard Professional Svcs 8/16/24 - WDL 1/2	53602				
19 Springbrook Holding Company LLC	\$ 735.75	Standard Professional Services 8/16/24 - WDL 1/2	53602	\$ 3,799.96	\$ 55,234.06	\$ 94,900.00	41.80%
20 WEX Fleet Universal	\$ 1,723.05	Fuel for Vehicles - 8/31/24 - GY 1/2	53604	\$ 1,723.05	\$ 14,388.60	\$ 26,200.00	45.08%
21 SpeedPro Imaging	\$ 1,596.45	Equip Mnt - Vehicle Wraps 8/22/24 - RTK 1/2	53607				
22 Rexel, Inc.	\$ 611.65	SHS Drive Repair - CompactLogix 9/5/24 - WDL 1/2	53607	\$ 2,208.10	\$ 69,753.30	\$ 105,700.00	34.01%
23 Municipaly	\$ 476.46	Monthly Merchant Fees 09/03/2024 1/2	53611				
24 Jones Chemicals Inc.	\$ 10,500.00	Op Spl - Chlorine @ WFP 8/26/24 - JRG-W	53611				
25 USALCO, LLC Inc.	\$ 7,156.62	Op Spl - Alum 8/30/24 - JRG-W	53611				
26 USALCO, LLC Inc.	\$ 6,507.09	Op Spl - Alum 8/30/24 - JRG-W	53611				
27 USALCO, LLC Inc.	\$ 6,483.47	Op Spl - Alum 8/31/24 - JRG-W	53611	\$ 31,123.64	\$ 940,384.68	\$ 1,434,700.00	34.45%
28 Core & Main LP	\$ 339.00	Mnt Spl - Adapters, Rubber Gaskets 8/30/24 - RTK	53612				
29 Zoro Tools Inc.	\$ 8.55	Mnt Spl - Coin Batteries 8/20/24 - RTK 1/2	53612				
30 Zoro Tools Inc.	\$ 21.17	Mnt Spl - Tape, Gel Pens 8/21/24 - RTK 1/2	53612				
31 Zoro Tools Inc.	\$ 35.98	Mnt Spl - Gloves 8/27/24 - RTK 1/2	53612				
32 Menards	\$ 316.15	Mnt Spl - August 2024 - WDL	53612				
33 Core & Main LP	\$ 3,655.50	Mnt Spl - 36x2" Bales, Solid Brass Plugs 9/3/24 - WDL	53612				
34 Core & Main LP	\$ 3,400.00	Mnt Spl - Vestal Credit Correction 5/16/24 - WDL	53612				
35 Active Plumbing Supplies	\$ 213.79	Mnt Spl - 2" x 10' Hard Copper Tube 8/27/24 - WDL	53612	\$ 7,990.14	\$ 98,349.29	\$ 171,600.00	42.69%
36 Lowe's	\$ 86.89	Misc Items	53612.001				
37 Aztec Steel Corporation	\$ 300.00	1/2" Hot Rolled Plate 8/29/24 - WDL 1/2	53612.001				
38 Grainger	\$ 76.00	Mnt Spl - Sleeve Coupling Inserts 9/5/24 - WDL	53612.001				
39 Capital One Trade Credit (E&H Hardware)	\$ 30.38	Mnt Spl - August 2024 - WDL	53612.001				
40 Lakeshore Tool & Equipment	\$ 25.10	Mnt Spl - Preferred Belts 8/28/24 - WDL 1/2	53612.001				
41 Trico Oxygen Company Inc.	\$ 48.35	Mnt Gases @ WFP 8/31/24 - JRG-W 1/2	53612.001				
42 Trico Oxygen Company Inc.	\$ 57.77	Mnt Gases @ 201 Miller Rd 8/31/24 - WDL 1/2	53612.001	\$ 624.49	\$ 63,588.40	\$ 166,200.00	61.74%
43 Ferguson Waterworks	\$ 14,443.20	Mnt Spl - Hydrants w/Adapters 8/26/24 - WDL	53612.004				
44 Indy Equipment and Supply LLC	\$ 454.95	Mnt Spl - Wire Mesh 8/30/24 - WDL	53612.004	\$ 14,898.15	\$ 43,844.78	\$ 28,300.00	-54.93%
45 Badger Meter Inc.	\$ 256.41	Beacon Hosting Svc & Cellular LTE - August 2024 - WDL	53612.005	\$ 256.41	\$ 361,858.06	\$ 606,400.00	40.33%
46 Phenova, Inc.	\$ 506.19	Lab Spl @ WFP 8/13/24 - JRG-W	53613				
47 Trico Oxygen Company Inc.	\$ 104.00	Mnt Gases @ WFP 8/31/24 - JRG-W 1/2	53613				
48 ComDoc, Inc.	\$ 155.00	Lab Analysis @ WFP 8/31/24 - JRG-W	53613	\$ 765.19	\$ 82,862.39	\$ 93,700.00	11.57%
49 ComDoc, Inc.	\$ 193.71	Cnt Svc - Xerox Copier Metering @ WFP 8/26/24 - JRG-W	53701				
50 M Tech Co	\$ 24,876.00	Cnt Svc - GraniteNet Software 2024-2025 - JRG-E	53701				
51 Technology Management Solutions Inc.	\$ 519.98	Cnt Svc - Computer Support Back Up 9/4/24 - WDL 1/2	53701				
52 Technology Management Solutions Inc.	\$ 1,825.25	Cnt Svc - Computer Support - August 2024 - WDL 1/2	53701				
53 Technology Management Solutions Inc.	\$ 9.98	Cnt Svc - Computer Support 9/4/24 - WDL 1/2	53701				
54 Technology Management Solutions Inc.	\$ 15.49	Cnt Svc - Computer Support - 365 License - Board Laptop - WDL 1/2	53701				
55 Technology Management Solutions Inc.	\$ 70.31	Cnt Svc - Computer Support - Sentinel Anti-Virus - WDL 1/2	53701				
56 Badger Meter Inc.	\$ 821.16	Beacon Hosting Svc & Cellular LTE - August 2024 - WDL 1/2	53701	\$ 28,331.88	\$ 85,779.97	\$ 121,400.00	29.34%
57 Kendra Enterprises Inc.	\$ (7,445.00)	To reclassify coding of Kendra Enterprise Invoice# 21843	53701.002				
58 Brakey Energy, Inc.	\$ 1,072.50	Mo. Fees for Energy Mgmt - August 2024 - WDL 1/2	53701.002				
59 Cintras Corporation	\$ 373.37	Mat Renalt & CLathing Svc - August 2024 - WDL	53701.002				
60 Columbia Gas	\$ 191.84	gas svc @ 201 Miller Rd 7/26/24-8/26/24 - GY	53702.002	\$ (5,807.29)	\$ 119,760.67	\$ 184,600.00	35.12%
61 Engle Resources	\$ 28,754.57	elec svc charge @ various locations 8/27/24 - GY	53703.001	\$ 28,754.57	\$ 5,893.71	\$ 4,800.00	-22.79%



FUND 721 - WASTEWATER
 AUGUST 30 - SEPTEMBER 12, 2024
 SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	YTD Transactions	Budget	% of Budget Remaining	
1 Wastewater Employees	\$ 68,086.37	Salaries PR Post BW 2202418	51102	\$ 1,238,129.65	\$ 1,757,900.00	29.57%	
2 Wastewater Employees	\$ 2,038.50	Part Time Wages PR Post BW 2202418	51105	\$ 29,406.75	\$ 55,800.00	47.30%	
3 Wastewater Employees	\$ 2,316.32	Overtime Wages Plant PR Post BW 2202418	51106-101	\$ 36,454.58	\$ 69,000.00	47.17%	
4 Wastewater Employees	\$ 243.72	Overtime Wages Dist/Col PR Post BW 2202418	51106-102	\$ 7,051.21	\$ 20,000.00	64.74%	
5 Wastewater Employees	\$ 852.91	Overtime Wages Admin PR Post BW 2202418	51106-103	\$ 11,907.98	\$ 19,200.00	37.98%	
6 Wastewater Employees	\$ 60.55	Overtime Wages Construction PR Post BW 2202418	51106-104	\$ 6,148.41	\$ 9,400.00	34.59%	
7 Wastewater Employees	\$ 730.82	Overtime Wages Office PR Post BW 2202418	51106-105	\$ 5,183.87	\$ 6,000.00	13.60%	
8 Wastewater Employees	\$ 812.40	Employee Time Buyback PR Post BW 2202418	52115	\$ 74,013.60	\$ 86,900.00	14.83%	
9 Medical Mutual	\$ 295.32	MMO SHARE Payment-week ending 08/30/2024	52203				
10 Medical Mutual	\$ 122.90	MMO HRA Payment-week ending 08/30/2024	52203				
11 Medical Mutual	\$ (1,657.68)	Payroll Post BW Bi-Weekly 2202418 Hospitalization	52203				
12 Medical Mutual	\$ (273.22)	Aug 2024 COBRA Premiums-Robertson, Longwell	52209	\$ (1,512.68)	\$ 632,000.00	38.06%	
13 Ohio Public Employees Retirement System	\$ 10,451.55	OPERS - EMPLOYEE - OPERS Pension - Employee Share*	52209	\$ 10,451.55	\$ 286,888.00	31.72%	
14 Internal Revenue Service	\$ 1,043.52	Medicare FEDERAL - Federal Taxes 9/5/24	52212	\$ 20,196.88	\$ 30,148.00	33.01%	
15 Cintas Corporation	\$ 261.90	Mat Renat & CLDishing Svc - August 2024 - WDL	52226				
16 4mprint Inc.	\$ 420.53	Clothing - Polos & Pullovers - T. Lutz, M. Howell 8/21/24 - WDL 2/2	52226	\$ 4,891.88	\$ 20,100.00	75.66%	
17 Link Computer Corporation	\$ 935.83	Muni-Link Billing - October 2024 - WDL 2/3	53602				
18 Springbrook Holding Company LLC	\$ 57.37	Standard Professional Svcs 8/16/24 - WDL	53602				
19 Minuteman Press	\$ 64.60	Off Spl - Inspection Cards 8/26/24 - WDL 2/2	53602				
20 Springbrook Holding Company LLC	\$ 245.25	Standard Professional Services 8/16/24 - WDL	53602	\$ 1,323.05	\$ 50,000.00	52.35%	
21 WEX Fleet Universal	\$ 1,723.05	Fuel for Vehicles - 8/31/24 - GY 2/2	53604	\$ 18,147.26	\$ 30,700.00	40.89%	
22 SpeedPro Imaging	\$ 1,596.45	Exp Mnt - Vehicle Wraps 8/22/24 - RTK 2/2	53607				
23 Radwell International, Inc.	\$ 307.00	Exp Mnt - Pneumatic Regulator 9/3/24 - RH	53607				
24 Rexel, Inc.	\$ 611.64	SHS Drive Repair - CompactLogix 9/5/24 - WDL 2/2	53607	\$ 4,446.49	\$ 150,000.00	39.69%	
25 Hicks Municipal & Industrial LLC	\$ 1,931.40	Exp Mnt - DigPig Silencer, Couplers, Nipples 9/5/24 - WDL	53607	\$ 181,860.77	\$ 489,100.00	62.82%	
26 2024-00003801	\$ 476.46	Monthly merchant fees for Utilities-09/03/2024 2/2	53611				
27 Zoro Tools Inc	\$ 35.98	Mnt Spl - Gloves 8/27/24 - RTK 2/2	53612				
28 Zoro Tools Inc	\$ 21.17	Mnt Spl - Tape, Gel Pens 8/21/24 - RTK 2/2	53612				
29 Zoro Tools Inc	\$ 8.55	Mnt Spl - Coin Batteries 8/20/24 - RTK 2/2	53612				
30 Menards	\$ 271.74	Mnt Spl - August 2024 - WDL	53612	\$ 337.44	\$ 7,973.38	22,600.00	64.72%
31 McMaster-Carr	\$ 100.49	Mnt Spl - Sanding Rolls 8/26/24 - RTK	53612.001				
32 Lowe's	\$ 147.86	Misc items	53612.001				
33 Trico Oxygen Company Inc.	\$ 37.35	Mnt Gases @ WRF 8/31/24 - RH	53612.001				
34 Lakeshore Tool & Equipment LTE Inc	\$ 25.10	Mnt Spl - Preferred Belts 8/28/24 - WDL 2/2	53612.001				
35 Aztec Steel Corporation	\$ 300.00	1/2" Hot Rolled Plate 8/29/24 - WDL 2/2	53612.001				
36 Trico Oxygen Company Inc.	\$ 57.78	Mnt Gases @ 201 Miller Rd 8/31/24 - WDL 2/2	53612.001				
37 Trojan UV	\$ 1,870.00	Mnt Spl - Acticlean Gel 8/21/24 - RH	53612.001	\$ 2,538.58	\$ 39,100.00	40.91%	
38 Jones & Henry Laboratories Inc.	\$ 90.00	Lab Testing @ WRF 8/28/24 - RH	53613				
39 Hach Company	\$ 161.10	Lab Spl @ WRF - N-Hexane 9/5/24 - RH	53613				
40 USA Bluebook	\$ 138.37	Lab Spl - Methanol @ WRF 8/20/24 - RH	53613	\$ 389.47	\$ 46,704.28	39,400.00	-18.54%
41 Data Command Corp	\$ 1,955.00	Annual Monitoring Renewal @ WRF 10/12/24-10/12/25 - RH	53701				
42 Technology Management Solutions Inc	\$ 70.32	Cnt Svc - Computer Support - Sentinel Anti-Virus - WDL 2/2	53701				
43 Technology Management Solutions Inc	\$ 15.49	Cnt Svc - Computer Support - 365 License - Board Laptop - WDL 2/2	53701				
44 Technology Management Solutions Inc	\$ 519.98	Cnt Svc - Computer Support Back Up 9/4/24 - WDL 2/2	53701				
45 Technology Management Solutions Inc	\$ 9.97	Cnt Svc - Computer Support 9/4/24 - WDL 2/2	53701				
46 Technology Management Solutions Inc	\$ 1,825.25	Cnt Svc - Computer Support - August 2024 - WDL 2/2	53701	\$ 4,396.01	\$ 64,891.30	96,200.00	32.55%
47 Cintas Corporation	\$ 446.23	Mat Renat & CLDishing Svc - August 2024 - WDL	53701.002				
48 Brakley Energy, Inc.	\$ 1,072.50	Mo. Fees for Energy Mgmt - August 2024 - WDL 2/2	53701.002	\$ 1,518.73	\$ 61,668.54	174,400.00	64.64%
49 Columbia Gas	\$ 51.00	gas svc @ 641 Lear Rd 8/22/24-9/3/24 - WDL	53702.002	\$ 51.00	\$ 441.06	800.00	44.87%
50 Columbia Gas	\$ 54.32	gas svc @ 100 Woodbridge Way 7/30/24-8/28/24 - GY	53702.003				
51 Columbia Gas	\$ 51.84	gas svc @ 671 Bridgeside 7/30/24-8/28/24 - GY	53702.003	\$ 106.16	\$ 1,360.83	2,600.00	47.66%
52 Engie Resources	\$ 11,935.12	elec svc charge @ various locations 8/27/24 - GY	53703.001	\$ 11,935.12	\$ 160,500.20	303,700.00	47.15%
53 Engie Resources	\$ 581.88	elec svc charge @ various locations 8/27/24 - GY	53703.003				
54 Illuminating Company	\$ 95.66	elec svc @ Woodbridge Way 8/3/24-9/4/24 - WDL	53703.003	\$ 677.54	\$ 28,089.35	49,400.00	43.14%
55 Illuminating Company	\$ 87.02	elec svc @ 756 Jaycox Rd Sewer 8/3/24-9/4/24 - WDL	53703.004	\$ 87.02	\$ 1,555.78	2,700.00	42.38%
56 Charter Communications	\$ 104.99	Internet Svc @ 32789 Lake Rd PS 8/24/24-9/23/24 - RH	53705				
57 Altifiber	\$ 658.58	Telephone Svc - 7/20/24-8/19/24 - WDL 2/2	53705				
58 Verizon Wireless	\$ 560.16	Cell Phone Svc - 7/26/24-8/25/24 - WDL 2/2	53705				
59 Greg Yuronich	\$ 25.00	Reimbursement for Cell Phone - September 2024 - RKM 2/2	53705	\$ 1,348.73	\$ 26,100.00	47.58%	
60 Randall's Lawn Care Inc.	\$ 1,859.38	Lawn & Landscaping 2024 - Invoice 6 or 8 8/30/24 - RTK 2/2	53708				
61 Young Security Services Inc.	\$ 207.54	Bldg Mnt - Masters - 6121LJ (12) 8/28/24 - WDL 2/2	53708				
62 Coverall North America, Inc.	\$ 326.00	Cleaning Svc @ 201 Miller Rd - August 2024 - WDL 2.2	53708				
63 Coverall North America, Inc.	\$ 325.00	Cleaning Svc @ WRF - August 2024 - RH	53708	\$ 2,717.92	\$ 26,265.71	73,200.00	64.12%

64	Arthur J. Gallagher Risk Management Services Inc.	\$	58.50	Additional Property Insurance - 90 & 92 Moore 7/16/24 - WDL 2/2	53710	\$	58.50	\$	1,438.00	\$	50,200.00	97.14%
65	Enterprise FM Trust	\$	5,228.76	Eqp - Vehicle Lease Payments 9/5/24 - WDL 2/2	53804.003	\$	5,228.76	\$	73,373.25	\$	140,400.00	47.74%
66	Sixmo Inc.	\$	1,406.25	Master Planning Study - Schematic Design 8/31/24 - WDL 2/2	53806	\$	1,406.25	\$	13,870.99	\$	295,400.00	95.30%
		\$	126,572.69			\$	126,572.69					



FUND 703 - ETL 1
AUGUST 30 - SEPTEMBER 12, 2024
SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Menards	\$ 139.00	Mnt Spl - August 2024 - WDL	53612	\$ 139.00	\$ 15,439.19		
2 DRV, Incorporated	\$ 2,060.95	ETL1 - Replacement of Pump #4 Contactor 9/7/24 - WDL	53612.003				
3 DRV, Incorporated	\$ 988.88	ETL1 - Field Svc - ETL1 Booster, Pump #4 9/4/24 - WDL	53612.003	\$ 3,059.83	\$ 3,059.83		
4 Harold Archer & Sons, Inc.	\$ 1,317.88	Stone for ETL1 8/31/24 - WDL	53612.004				
5 Harold Archer & Sons, Inc.	\$ 689.50	Stone for ETL1 8/20/24 - WDL	53612.004	\$ 2,007.38	\$ 10,910.22	\$ 150,000.00	92.73%
6 Kendera Enterprises Inc.	\$ 7,445.00	To reclassify coding of Kendera Enterprise Invoice# 21843	53701.002	\$ 7,445.00	\$ 57,920.95	\$ 100,175.00	42.18%
7 Engie Resources	\$ 10,906.07	elec svc charge @ various locations 8/27/24 - GY	53703.003				
8 Engie Resources	\$ 1,309.50	elec svc charge @ 800 Moore Rd - September 2024 - WDL	53703.003	\$ 12,215.57	\$ 166,153.65	\$ 275,384.00	39.66%
9 Engie Resources	\$ 121.12	elec svc charge @ various locations 8/27/24 - GY	53703.004				
10 Ohio Edison	\$ 69.22	elec svc @ Root @ Sprag 7/31/24-8/30/24 - WDL	53703.004				
11 Ohio Edison	\$ 74.86	elec svc @ Butternut @ Root 7/31/24-8/30/24 - WDL	53703.004				
12 Ohio Edison	\$ 71.38	elec svc @ Lear @ US 20 8/2/24-9/3/24 - WDL	53703.004				
13 Ohio Edison	\$ 74.79	elec svc @ Lear @ Chstint 8/1/24-9/3/24 - WDL	53703.004				
14 Illuminating Company	\$ 179.46	Electric Service-Variou locations	53703.004	\$ 590.83	\$ 7,350.53	\$ 12,000.00	38.75%
15 Avon Lake Regional Water	\$ 165,939.70	Water Used from ETL1 - August 2024 - WDL	53704	\$ 165,939.70	\$ 1,362,378.28	\$ 2,275,000.00	40.12%
	\$ 191,397.31			\$ 191,397.31			

FUND 762 - ETL 2
AUGUST 30 - SEPTEMBER 12, 2024
SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Ohio Edison	\$ 4,991.10	elec svc @ 15201 Island Rd 7/30/24-8/27/24 - GY	53703.003				
2 Ohio Edison	\$ 56.35	elec svc @ 15201 Island Rd OAL 8/1/24-8/29/24 - GY	53703.003				
3 Illuminating Company	\$ 3,904.80	elec svc @ 800 Moore Rd Rear Upper 7/9/24-8/7/24 - WDL	53703.003	\$ 8,952.25	\$ 200,393.81	\$ 505,000.00	60.32%
4 Engie Resources	\$ 37.69	elec svc charge @ various locations 8/27/24 - GY	53703.004				
5 Ohio Edison	\$ 70.93	elec svc @ 37780 Center Ridge Rd 7/31/24-8/30/24 - WDL	53703.004				
6 Ohio Edison	\$ 68.96	elec svc @ 36550 Chestnut Ridge Rd 7/31/24-8/30/24 - WDL	53703.004	\$ 177.58	\$ 3,220.06	\$ 10,000.00	67.80%
7 Avon Lake Regional Water	\$ 516,394.59	Water Used from ETL2 - August 2024 - WDL	53704	\$ 516,394.59	\$ 3,955,494.86	\$ 4,742,528.00	16.80%
	\$ 525,524.42			\$ 525,524.42			

FUND 749 - LORCO
AUGUST 30 - SEPTEMBER 12, 2024
SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Municipipal	\$ 367.10	Monthly merchant fees for LORCO-09/03/2024	53701	\$ 367.10	\$ 19,801.36	\$ 34,000.00	41.76%
2 Engie Resources	\$ 311.47	elec svc charge @ various locations 8/27/24 - GY	53703.001				
3 Ohio Edison	\$ 861.41	elec svc @ 9845 Avon Belden 7/31/24-8/30/24 - WDL	53703.001				
4 Ohio Edison	\$ 570.23	elec svc @ 38393 Royalton Rd 7/27/24-8/27/24 - WDL	53703.001	\$ 1,743.11	\$ 17,884.04	\$ 23,460.00	23.77%
5 Engie Resources	\$ 5.62	elec svc charge @ various locations 8/27/24 - GY	53703.002				
6 Engie Resources	\$ 99.83	elec svc charge @ various locations 8/27/24 - GY	53703.003				
7 Ohio Edison	\$ 71.35	elec svc @ 12169 Avon Belden Rd 7/30/24-8/28/24 - GY	53703.003				
8 Ohio Edison	\$ 136.71	elec svc @ 12901 Avon Belden Rd 7/30/24-8/28/24 - GY	53703.003				
9 Ohio Edison	\$ 176.12	elec svc @ 33930 Cooley Rd 7/31/24-8/28/24 - GY	53703.003				
10 Ohio Edison	\$ 73.06	elec svc @ 36780 Giles Rd 7/27/24-8/28/24 - GY	53703.003				
11 Ohio Edison	\$ 69.33	elec svc @ 10920 Hawke Rd 7/31/24-8/30/24 - WDL	53703.003				
12 Ohio Edison	\$ 242.10	elec svc @ 10301 Reed Rd 7/31/24-8/30/24 - WDL	53703.003	\$ 868.50	\$ 15,394.12	\$ -	0.00%
13 Link Computer Corporation	\$ 415.92	Multi-Link Billing - October 2024 - WDL 3/3	53760				
14 Springbrook Holding Company LLC	\$ 109.00	Standard Professional Services 8/16/24 - WDL	53760				
15 SmartBill Inc	\$ 928.43	LORCO Bills - Print & Postage - August 2024 - WDL	53760	\$ 1,478.85	\$ 27,893.27	\$ 35,000.00	20.30%
16 Springbrook Holding Company LLC	\$ 25.50	Standard Professional Svcs 8/16/24 - WDL	53760	\$ 500.00	\$ 53,391.08	\$ 30,000.00	-77.97%
17 LORCO	\$ 500.00	Reimburse LORCO 2 Tap Fees Auditor Funds - Fall '24 - WDL	53901	\$ -	\$ -	\$ -	
	\$ 4,963.18			\$ 4,963.18			



FUND 704 - WATER CONSTRUCTION
 AUGUST 30 - SEPTEMBER 12, 2024
 SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Indy Equipment and Supply LLC	\$ 4,582.50	Bldg Imp - Aquanil Sealer for Rear Lot 9/5/24 - WDL 1/2	55003				
2 ECS Midwest, LLC	\$ 1,652.50	WFP Improvements - Special Inspections & Testing Svcs - JRG-E	55003				
3 Northwoods Cabin Co. LLC	\$ 2,214.00	Bldg Imp - Timber Frame Pavilion @ 201 Miller Rd - RKM 1/2	55003				
4 Northwoods Cabin Co. LLC	\$ 4,428.00	Bldg Imp - Timber Frame Pavilion @ 201 Miller Rd - RKM 1/2	55003	\$ 12,877.00	\$ 382,259.71	\$ 500,000.00	23.55%
5 The Great Lakes Construction Co.	\$ 454,375.48	2024 Water Filtration Plant Improvement	55003.002	\$ 454,375.48	\$ 1,712,505.13	\$ 12,000,000.00	85.73%
	\$ 467,252.48			\$ 467,252.48			

FUND 724 - WASTEWATER CONSTRUCTION
 AUGUST 30 - SEPTEMBER 12, 2024
 SEPTEMBER 17, 2024

Vendor	Amount	Description	GL Acct	G/L Sum	YTD Transactions	Budget	% of Budget Remaining
1 Northwoods Cabin Co. LLC	\$ 4,428.00	Bldg Imp - Timber Frame Pavilion @ 201 Miller Rd - RKM 2/2	55003				
2 Northwoods Cabin Co. LLC	\$ 2,214.00	Bldg Imp - Timber Frame Pavilion @ 201 Miller Rd - RKM 2/2	55003				
3 Indy Equipment and Supply LLC	\$ 4,582.50	Bldg Imp - Aquanil Sealer for Rear Lot 9/5/24 - WDL 2/2	55003	\$ 11,224.50	\$ 377,225.99	\$ 500,000.00	24.55%
	\$ 11,224.50			\$ 11,224.50			



September 6, 2024

TRANSMITTED ELECTRONICALLY

**RE: Avon Lake WRF
Inspection
NPDES/CSO
Lorain County
3PD00003**

Robert Munro, Chief Utilities Executive
Avon Lake Regional Water
201 Miller Road
Avon Lake, OH 44012

Subject: Nine Minimum Control Implementation/Combined Sewer Overflow Inspection

Dear Mr. Munro,

On September 4, 2024, Ohio EPA Division of Surface Water (DSW) staff members Erm Gomes and I met with Greg Yuronich, Ryan Hill, Jeremy Pijor, and Bobby Kimevski, from Avon Lake Regional Water (ALRW), to conduct an inspection of the wastewater collection and treatment system. The goal of the inspection was to determine compliance with Ohio's environmental laws and regulations as found in Chapter 6111 of the Ohio Revised Code (ORC) and Chapter 3745-33 of the Ohio Administrative Code (OAC) and the terms and conditions of the Avon Lake Water Reclamation Facility (WRF) NPDES Permit No. OH0023981/Ohio EPA Permit No. 3PD0003*PD. This letter focuses on the combined sewer overflows (CSOs) and sanitary sewer overflows (SSOs), implementation of the nine minimum controls (NMCs), and the status of the Long-Term Control Plan (LTCP) projects.

Findings

ALRW is a water and wastewater utility established under the City of Avon Lake's Charter and governed by an elected and independent body, the Avon Lake Board of Municipal Utilities. The WRF provides sanitary sewer services to all of Avon Lake, northern sections of Avon, and the Lorain County Rural Wastewater District (LORCO). LORCO includes areas in and around Eaton and Carlisle Townships. All overflow structures are only located in Avon Lake.

ALRW's LTCP was approved by Ohio EPA on December 17, 2004. The LTCP proposed complete separation of the combined sewer system and elimination of all overflows. In December 2022, ALRW submitted an LTCP Completion Evaluation Report that stated that separation was complete and 18 of the original 19 CSOs are eliminated but that overflows persist at CSO 017 (Center Road Pump Station) and seven SSO relief structures. To achieve the approved LTCP level of control, additional controls will be necessary.

Part II, Item E of the current NPDES permit (3PD00003*PD) lists the NMCs to be implemented in order to minimize pollutant loadings during wet weather events. Discussion and observations made during the inspection, as well as a review of information that you have submitted to this office, indicates that ALRW is in compliance with permit requirements calling for implementation of the NMCs at this time.

Recommendations

The recommendations below are not orders but are offered by Ohio EPA in an effort to provide compliance assistance to your facility. It is recommended that the City:

- Evaluate alternatives, including installation of any necessary overflow storage basins, to eliminate remaining overflows from the collection system.
- Evaluate feasibility of closing SSO structures that have been inactive.
- Identify an optimal diversion point that maximizes discharge through the final outfall pipe to Lake Erie, rather than the 108-inch City storm sewer that discharges to the shoreline, without compromising treatment quality or peak capacity at the WRF.
- Maintain visibility of overflow outfall signage by trimming foliage.

Conclusion

Discussion and observations made during the inspection, as well as a review of historical information submitted to Ohio EPA DSW, indicates that ALRW is in general compliance with implementation of the NMCs at this time. Please note that continued implementation of the NMCs is critical to achieving compliance with your NPDES permit.

If you have questions or concerns regarding this letter, please feel free to contact me by telephone at (614) 644-2138 or e-mail at david.brumbaugh@epa.ohio.gov.

Sincerely,



David Brumbaugh
Environmental Specialist 3
NPDES, Central Office
Ohio EPA, Division of Surface Water

encl: Attachment A: Avon Lake Regional Water Nine Minimum Controls Inspection Summary
Attachment B: NPDES Compliance Inspection Report (CSO/NMC)

cc: Greg Yuronich, ALRW – Chief of Utility Operations
Ryan Hill, ALRW – WRF Manager
Erm Gomes, Ohio EPA – DSW/NEDO

Attachment A

Avon Lake Regional Water Nine Minimum Controls Inspection Summary

On September 4, 2024, Ohio EPA Division of Surface Water (DSW) conducted a Nine Minimum Controls/ Combined Sewer Overflow Inspection at the Avon Lake WRF and collection system. Part II – Other Requirements Item E, in the Avon Lake Water Reclamation Facility (WRF) NPDES permit (Ohio EPA No. 3PD00003*PD), indicates that the entire wastewater treatment system shall be operated and maintained so that the total loading of pollutants discharged during wet weather is minimized. This is to be accomplished through use of what is known as the Nine Minimum Controls (NMCs). Part II.B. of the National Combined Sewer Overflow (CSO) Control Policy discusses implementation requirements for these control measures, which are listed and discussed below.

1. Proper operation & regular maintenance programs for the sewer system and CSOs.

ALRW staff operate and maintain the WRF and collection system. ALRW has recently acquired a new camera truck and is establishing a routine schedule to televise the full system every 6 years. A vac truck is also deployed regularly, though the camera truck is currently a higher priority. The vac truck is typically deployed in response to a televising inspection indicating that cleaning is needed but is occasionally used to clean in advance of the camera truck. ALRW has 4 lift stations that are inspected at least weekly but monitored and alarmed via SCADA. All four are equipped with a dedicated generator for back-up power. The O&M Manual for the WRF was updated following the upgrades completed in 2018. The O&M Manual for the collection system was last updated in 2010, following a rehabilitation project at Center Road pump station.

2. Maximum use of the collection system for storage.

Overflow weirs and pipes are placed at high elevations to maximize storage at overflow structures while protecting against basement backups. All SSO structures on Lake Erie are equipped with a duckbill and CSO 017 has a flaggate to prevent clean water intrusion from the overflows; these are inspected quarterly. A primary motivation for acquisition of the new camera truck is to identify sources of inflow and infiltration (I/I) that are occupying capacity in the collection system. Based on review of recent overflow data, some of the SSO relief structures are inactive but ALRW state that closure of overflow structures has not been considered. **It is recommended that ALRW evaluate the feasibility of physically eliminating any SSO relief structures.**

3. Review and modification of pretreatment requirements to assure CSO impacts are minimized.

The City does has an Ohio EPA approved pretreatment program, which regulates four categorical industrial users. All four IUs are located in portions of the collection system that do not have downstream overflows; all process water reaches the WRF.

4. Maximize flow at the WWTP for treatment.

The WRF is an activated sludge facility designed to treat an average daily flow of 6.5 million gallons per day (MGD). The sustainable peak capacity of the WRF is 20-22 MGD. In summer, peak capacity is limited to 20 MGD by the UV disinfection unit. In winter, when the UV system is offline, peak capacity is

limited to 22 MGD by the primary clarifiers, which overflow the weirs and potentially the tank above that threshold.

An effluent diversion gate was recently installed downstream of the UV unit. Prior to gate installation, peak flows were limited to 15 MGD by the submerged effluent pipe, which discharges to Lake Erie 1,200 feet offshore. The new gate allows ALRW to treat more flow by diverting effluent to a large stormwater sewer, which discharges to the Lake Erie shoreline. Under current operations, ALRW splits flows above 10 MGD evenly between the effluent pipe and diversion pipe. **It is preferable that effluent discharge through the effluent pipe, as this discharges effluent 1,200 ft. offshore and underwater, and minimizes public exposure at the shoreline. It is recommended that ALRW identify an optimal diversion point that maximizes flow through the effluent pipe without compromising treatment quality or peak capacity at the WRF.**

5. Prohibition of CSOs during dry weather.

All overflow structures are equipped with an electronic meter. Overflow structures and meters are inspected, cleaned, and maintained on a quarterly basis.

6. Control of solid and floatable materials in CSOs.

The new televising and cleaning program will support identification of areas where removal of solids and floatables is necessary. ALRW is not aware of any locations where solids currently accumulate.

7. Pollution prevention.

Yard waste removal, street sweeping, and catch basin cleaning is all performed but is the responsibility of respective municipalities, not ALRW.

8. Public Notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts.

ALRW is implementing its CSO Public Notification Plan, which was approved by Ohio EPA on July 20, 2018. Notifications are provided in accordance with this plan for overflows from CSO 017 and all of the SSO relief structures. Signs are currently posted at all overflow locations. The sign at CSO 017 was not visible due to excess plant growth. **It is recommended that signage visibility be maintained by trimming foliage.**

9. Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls.

The City monitors overflows according to permit requirements. Each overflow structure is equipped with an electronic meter.





Attachment B: NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES #	Month/Day/Year	Inspection Type	Inspector	Facility Type
3PD00003*PD	OH0023981	Sept. 4, 2024	CSO/NMC	S	1
Watershed:	Lake Erie, Central Basin				

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Avon Lake Water Reclamation Facility 33675 Durrell Avenue Avon Lake, OH 44012	12:00 pm	January 1, 2022
	Exit Time	Permit Expiration Date
	3:00 pm	December 31, 2026
Name(s) and Title(s) of On-Site Representatives	Phone Number(s) (email)	
Ryan Hill, WRF Manager Jeremy Pijor, Chief Operator Bobby Kimevski, Facilities & Asset Manager Greg Yuronich, Chief of Utility Operations	rhill@avonlakewater.com , (440) 933-3185 jpjor@avonlakewater.com bkimevski@avonlakewater.com gyuronich@avonlakewater.com , (440) 933-6226	
Name, Address and Title of Responsible Official	Phone Number	
Robert Munro, Chief Utilities Executive Avon Lake Regional Water 201 Miller Road Avon Lake, OH 44012	(440) 933-6226	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
N	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	M	Compliance Schedule
S	Operations & Maintenance	N	Effluent/Receiving Waters	S	Self-Monitoring Program
N	Facility Site Review	N	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
<ul style="list-style-type: none"> - Initiate evaluation of additional control alternatives to eliminate overflows in the collection system - Evaluate feasibility of closure of inactive SSO relief structures - Identify optimal effluent diversion flow rate threshold to optimize discharge through submerged effluent pipe - Trim foliage to maintain visibility of outfall signage 	
Inspector	Reviewer
David Brumbaugh Environmental Specialist 3 Ohio EPA, Central Office Division of Surface Water Signature:  Date: 9/6/2024	Erm Gomes Environmental Specialist 3 Ohio EPA, Northeast District Office Division of Surface Water Signature:  Date: 9/6/2024

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine)	COMMENTS:
CSO IDENTIFICATION						
1. Are all CSO, SSO, and Bypass locations identified and permitted? Include the total number of each.	X				one CSO – Center Rd LS (017) seven SSO “relief structures” no bypass at WRF	
2. Does the facility have maps/schematics of the sewer system depicting Combined Sewer System (CSS) areas and Sanitary Sewer System (SSS) areas including CSO, bypass and SSO locations and receiving stream(s)?	X				Sanitary system is mapped, incorporated into GIS	
3. Are all CSOs identified by latitude/longitude, identification number, and receiving stream?	X				No lat/long	
SANITARY SEWER OVERFLOWS (SSOs) & WATER IN BASEMENT (WIB)						
4. Have there been any SSOs since the last inspection?	X				7 relief structures, 5 have discharged in last two years ALRW has not considered closure of inactive structures. Recommend evaluating feasibility of overflow structure elimination	
5. Have there been any WIB complaints since the last inspection?	X				Exclusively resident issues with blocked laterals	
6. Is there a WIB response plan?	X				Calls directed to drinking WTP, crew dispatched to inspect, will open manholes and lateral clean outs. In persistent locations, will use camera to inspect sewer and lateral.	
DRY WEATHER OVERFLOWS (DWOs)						
7. How often does the facility check CSO locations during dry weather?					Quarterly = AECOM contracted to inspect, clean, and maintain meters at each overflow structure	
8. If DWOs are identified, has the facility properly notified Ohio EPA of all DWO discharges? How?			X			

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine) COMMENTS:
9. If DWOs are occurring, does the facility have a corrective action plan to eliminate them? If yes, describe plan including defined tasks and schedules.			X		Similar to WIB response plan
DESCRIPTION OF SYSTEM					
10. What percentage of the system has combined sewers?					0% - separation completed according to Technical Memo dated 12/16/22
11. Is there an inventory of the whole sewer system (e.g. sewer system map), and, if so, are the following items identified?					
a. All combined sewers and all sanitary sewers,	X				No combined sewers
b. All storm sewers connected to combined sewers,	X				All storm sewers are mapped but are not responsibility of ALRW
c. All major interceptors and trunk sewers,	X				
d. All sewer sizes, slopes and materials,	X				
e. All manholes and catch basins,	X				
f. All CSOs, SSOs, treatment plant bypasses and outfalls and the receiving stream(s).	X				
g. All control structures (regulators, diversion structures, weirs, valves....),	X				
h. All pump and lift stations and their capacities,	X				

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine)	COMMENTS:
i. All locations for sampling, monitoring, sensors, and telemetering devices,	X					Meters are only on overflow pipes
j. All remote CSO treatment facilities including unit processes and capacities,			X			
12. Is the capacity of each interceptor sufficient to handle all dry weather flows?	X					
13. Is the peak treatment capacity known for each unit process at the WWTP? Include peak hydraulic flow, peak sustained treatable flow and average design flow.	X				Daily dry weather flow = 4-5 MGD Sustainable peak capacity = 20-22 MGD With install of effluent diversion gate, WRF peak increased from 15 MGD. In summer, capacity is limited to 20 MGD by the UV unit. In winter (with UV offline), capacity is limited to 22 MGD by the primary clarifier, which overfills, flooding weirs and potentially the tank.	
14. Are portions of the interceptors or other lines adequately sized relative to the WWTP capacity? If not, identify undersized interceptors.	X					WRF can treat all flow delivered by trunk sewers and can reach capacity
15. Is the wet weather treatment capacity of the WWTP fully used before CSOs occur?		X				This depends on rainfall distribution. In most events, WRF peaks before overflows occur. But if rain is localized on the east side of the collection system, Center Rd. PS is a bottleneck and will overflow before WRF is maximized.
16. How many publicly owned pump stations are in the system?				4		
17. Are all pump stations adequately sized and operating as designed? Are mechanisms in place to ensure the continuous pump operation? Does this include operable and/or telemetered alarms?	X					All connected to SCADA for monitoring and alarms; only Center Rd PS has an associated overflow
18. Is standby power available for pump stations and CSO controls?	X					All pump stations have dedicated generator (3 natural gas, 1 diesel)

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine) COMMENTS:
OPERATION & MAINTENANCE					
19. Has the facility developed an Operational Plan or O&M manual? Does it address O&M of the collection system and overflows?	X				
20. When was the O&M manual last reviewed and updated?					WRF - manual updated with upgrade completed in 2018 Collections - manual updated with 2010 Center Rd PS refit
21. Is the facility implementing the O&M manual?	X				
22. Does the facility conduct regular inspections of the sewer system? If yes, what is the inspection method and frequency for the following:					
a. CSO (and SSO) outfall structures,	X				Quarterly in dry weather (AECOM) During significant rain events (ALRW staff)
b. Regulator and diversion structures,	X				During significant rain events (ALRW staff)
c. Pump/lift stations,	X				At least weekly
d. Sewers (e.g. televise), and	X				Recently acquired new camera truck; set up a new program that divided service area into 6 sections, televise one section per year (full system in 6 years)
e. Surface water anti-intrusion devices (e.g. flapgates, etc.)?	X				Each SSO has a duckbill, CSO 017 has a flapgate Inspected quarterly
23. Are malfunctions of equipment repaired or replaced in a timely manner? If yes, give example.	X				ALRW tries to have similar pumps for redundancy and maintain a parts inventory, so O&M is smoother
24. Does the facility check for and eliminate illegal connections? If yes, describe method & frequency.	X				I/I source detection is main motivation for new camera truck. Smoke and dye testing has been previously but not recently.

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine)	COMMENTS:
25. Does the facility properly operate all CSO control facilities during both dry and wet weather?			X			
26. Does the facility have schedules for routine maintenance such as catch basin cleaning and cleaning of trunk and interceptor sewers?	X					Catch basins are responsibility of City ALRW owns vac truck, though deployment is currently less of a priority than the camera truck; vac truck may occasionally be used to clean sewer prior to televising but is typically used in response to televising indicating that cleaning is needed.
27. Does the facility have schedules for pollution prevention measures such as: regular street cleaning in combined sewer areas with added emphasis on leaf removal, industrial flow control, drainage area marking, etc.?						Street sweeping and yard waste removal provided but are responsibility of City 4 categorical IUs, all in portions of collection system that do not pass an overflow structure (all process water reaches WRF)
28. Are the stop planks, weirs, etc. set at the highest level practical without causing basement backups or excessive street flooding?	X					Historical Brown & Brown regulators have all been removed.
29. Does the facility have (and describe) procedures for:						
a. Cleaning screening equipment after, and if necessary, during each storm,			X			
b. Regulating diversion and bypass valves, and	X					Maintained quarterly (AECOM)
c. Reducing solids deposition in the CSS?	X					See above re: vac truck
30. Can the overall condition of the entire sewer collection system and CSOs be described as good, if not, why?	X					Good but power utility is weak, frequently experience outages for no reason; equipment backup power is essential on all services (WRF, lift stations, offices)

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	COMMENTS:
31. Are inspections documented, and, if so, does documentation include:	X				Recorded in "red book", maintained at ALRW Administration Building
a. Results of various types of inspections,	X				
b. Dates and times, and	X				
c. Corrective action taken if problems found?	X				
32. Is a log book of maintenance and repair on the sewer system and CSO structures maintained, and, if so, does the log book contain:	X				
a. Identification of type of problems (collapse, blocked sewers, basement backups, street flooding, etc.)	X				
b. Repair made (or maintenance activity conducted), and	X				
c. Time and date?	X				
RECORDS					
33. Are flow records kept for each lift station?	X				Connected to SCADA
34. Are all overflows monitored in accordance with the permit?	X				
35. How are CSOs monitored (chalk, block, level sensor, etc.)?					CSO 017 and all SSO relief structures equipped with electronic meter
36. Are the following records kept for each CSO location:					

Ohio EPA CSO INSPECTION CHECKLIST

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a. Discharge frequency,	X					Meter
b. Flow magnitude (volume); how is this measured?,	X					Meter
c. Pollutant characterization,	X					Sampling not required by permit, ALRW staff occasionally sample for <i>E. coli</i> ("not so high, mostly stormwater")
d. Precipitation,	X					Rain gages at Center Rd PS, ALRW Admin building, drinking WTP (probably 5-minute frequency?)
e. Specific causes of overflows,			X			
37. Are records of CSO control facilities (e.g., excess flow retention basin levels) maintained?			X			
38. Does the facility keep specific records on DWOs, SSOs and/or plant bypasses, and are they properly reported on the eDMRs?	X					
39. Is the facility implementing its Public Notification Plan? What records are being kept and where?	X					Emails to 7 notable recipients (including marina contact downstream of 017) and posts data to website CSO notification plan is also applied to the SSO structures
40. Has notification signage been placed at all CSO outfalls and impacted public access areas?	X					Sign not visible at 017 due to plant growth. Recommend trimming foliage to maintain signage visibility.
41. Is the agency notified of all overflows in accordance with the permit?	X					

COMPLIANCE SCHEDULES

X	X					Minor repairs only, no major issues
42. Have there been any major repairs to the collection system since the last inspection?		X				

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	(N/A = Not Applicable, UTD = Unable To Determine)	COMMENTS:
43. Is the facility meeting the terms and conditions of an enforcement action compliance schedule to correct sewers, CSOs, SSOs, DWOs, and/or bypassing? If no, describe.	X		X			
44. Is the facility meeting the compliance schedules established in the CSO Section of the facility's NPDES permit?	X					Part I,C, Item 2.A required submission of L TCP Completion Evaluation Report. The report concluded that, despite complete separation of the system, overflows persisted.
45. Does a permit or enforcement agreement require implementation of each of the nine minimum controls?	X					Part II, Item E
46. Has documentation on the implementation of the nine minimum controls been submitted?	X					Reported in CSO PN annual report
47. Is the facility implementing the nine minimum controls as follows:						
a. Proper operation and regular maintenance programs for the sewer system and CSOs,	X					
b. Maximum use of the collection system for storage,	X					
c. Review and modification of pretreatment requirements to assure CSO impacts are minimized,	X					
d. Maximize flow to the WWTP for treatment,	X					Peak capacity at the WRF is 20-22 MGD but the submerged effluent pipe is limited to ~15 MGD. During peak flow events, ALRW uses a sluice gate to divert effluent to a storm sewer, which discharges to the Lake Erie shoreline. Under current operations above 10 MGD, ALRW splits flow evenly between the effluent pipe and stormwater diversion pipe. It is preferable that

Ohio EPA CSO INSPECTION CHECKLIST

CHECK THE APPROPRIATE BOX (Y = YES, N = NO)	Y	N	N/A	UTD	COMMENTS:
					(N/A = Not Applicable, UTD = Unable To Determine)
					effluent discharge through the effluent pipe, as this discharges effluent 1,200 ft. offshore and underwater, and minimizes public exposure at the shoreline. Recommend identifying an optimal diversion point that maximizes flow through the effluent pipe without compromising treatment quality or peak capacity at the WRF.
e. Prohibition of CSOs during dry weather,	X				
f. Control of solid and floatable materials in CSOs,	X				No indication that solids are accumulating anywhere
g. Pollution prevention,	X				
h. Public notification to ensure that the public receives adequate notification of CSO occurrences and impacts,	X				
i. Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls?	X				
48. Has the facility developed a Long Term Control Plan (LTCP)?	X				Approved 12/17/04, LTCP proposed complete separation. 18 or 19 original CSOs are closed (only 017 remains). Several SSO relief structures have been installed as separation progressed.
49. Is the facility implementing the LTCP?	X				ALRW submitted LTCP Completion Evaluation Report in December 2022, stated separation was complete but overflows persist.
50. Has the permittee requested an extension of time?	X				Part I,C Item 2.A of the permit requires that the Evaluation Report "if necessary, recommend alternatives for an updated LTCP" and that ALRW plan to have the recommended alternative operational by December 31, 2026. Due to persistent overflows, additional controls are necessary to achieve the LTCP level of control (overflow elimination). Ohio EPA has previously discussed the need for additional controls with ALRW but no action is currently planned. Recommend initiating evaluation of alternatives to eliminate overflows in the collection system.