

WESTERN WESTMORELAND MUNICIPAL AUTHORITY

REGULAR MONTHLY MEETING – SEPTEMBER 15, 2022

The Board of Directors of the Western Westmoreland Municipal Authority held a regular monthly meeting on Thursday, September 15, 2022 at 6:00 P.M. in the Authority conference room, duly advertised, as required, and with the following persons in attendance:

1. Roll Call 6:00 P.M.:

Board Members in Attendance:

Mr. Stanley Caroline, Jr. Mr. Charles Gilbert Mr. Joseph Lapia
Mr. Dylan Mace

Attended Remotely, via Microsoft Teams:

Mr. Charles Konkus Mr. Kevin McHugh

Absent:

Mrs. Barbara McIntyre Mr. Tim Watson Mr. Mark Wolinsky

Others in Attendance:

Mr. John Rushford, Solicitor Mr. Chad Hanley, Consulting Engineer
Mrs. Liz Lackey, Consulting Engineer Mr. Stanley A. Gorski, Jr., Assistant Manager
Mrs. Johanna Wtorkowski, Finance Director and Assistant Secretary-Treasurer/Recording Secretary

2. Mr. Caroline led the Pledge of Allegiance.

3. Public Comments: None

4. Communications: None

5. Secretary's Report: Due to Mrs. McIntyre's absence, Mrs. Wtorkowski requested the approval of the minutes for the regular monthly meeting of August 18, 2022, as presented. A motion to approve was made by Mr. Lapia, and seconded by Mr. Mace. The motion passed unanimously.

This concluded the Secretary's Report.

6. Treasurer's Report – Due to Mr. Watson's absence, Mrs. Wtorkowski requested approval of the following requisitions:

- A. Revenue Fund Requisition No. 400 Scott Electric: \$122.13. A motion to approve was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed, 5-0, with an abstention by Mr. Konkus, who is an employee of Scott Electric. A memorandum, signed by Mr. Konkus, is attached to these minutes.
- B. Revenue Fund Requisition No. 401 Stone & Co.: \$55.92. A motion to approve was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed, 5-0, with an abstention by Mr. Mace, who is an employee of Stone & Co. A memorandum, signed by Mr. Mace, is attached to these minutes.
- C. Revenue Fund Requisition No. 402: \$1,262,458.85: A motion to approve was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed unanimously.

This concluded the Treasurer's report.

7. Assistant Manager's Report – Stanley Gorski, Jr.:

- A. Mr. Gorski reported that there were no NPDES violations and no by-passes for the month of August 2022. Average plant flow was down, at 2.71 million gallons per day (MGD).
- B. Plant maintenance is up to date. Authority employees replaced the digester LEL sensors, which track the LEL between the membranes.
- C. The 2013 Chevrolet utility truck needed a replacement ERG valve and ERG valve cooler, at a cost of \$3,900.00, as the vehicle would not accelerate.
- D. Whole Effluent Toxicity (WET) Test:
 - 1. The Authority received the preliminary annual WET test results today. The Authority is passing the tests, so far.
- E. The Authority received the (biennial) actuarial report for Other Post-Employment Benefits, Other than Pensions (OPEB) on September 9, 2022. The report was distributed electronically to the Board on September 13, 2022. Board action is not required.

- F. Mr. Gorski reported that HRG is working on updating the GIS mapping for the Authority. The map will be in color and will include digital access, which will allow zooming in for closer views.
- F. COA-Phase III Pay Application:
 - 1. A motion was made by Mr. Lapia, and seconded by Mr. Mace, to approve and authorize submission to PENNVEST Pay Estimate No. 8, in the amount of \$184,786.74, as submitted by Kukurin Contracting, Inc., for the period ending August 26, 2022. The motion passed, 4-0, with abstentions by Mr. Konkus, who is an employee of Scott Electric, a supplier to the contractor, and by Mr. Mace, who is an employee of Stone & Co., a supplier to the contractor. Memoranda, signed by Mr. Konkus and Mr. Mace, are attached to these minutes.
- G. COA-Phase III Project Update:
 - 1. The contractor is working on Manhole 15 (near the Huntsman Corporation (formerly Ranbar)). There are 31 manholes in the Bushy Run System, so Kukurin is nearing the half-way point.
- H. Mr. Gorski requested Board approval of asphalt sealing of all existing plant, pump station, and Equalization (EQ) Tank paved areas, by E&J Asphalt Seal Coating, at a cost of \$11,625.00. Other quotes included Prestige (\$12,467.00) and Schindler (\$16,250.00). A motion to approve was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed unanimously.
- I. Mr. Gorski requested Board approval to purchase a 5-ton rooftop air conditioning unit for the Sludge Processing Building from the vendor who provides the lowest quote (Level Green Plumbing & Heating, LLC; Elite Heating & Air Conditioning; and Eichelberger HVAC LLC). Mr. Gorski explained that there is an issue with hydrogen sulfide (H₂S) exhaust at the plant that is causing erosion of the A/C unit. The H₂S must be addressed in order to prevent premature failure of the new air conditioning unit. Mr. Gorski has had preliminary discussions with Mr. Hanley regarding this issue. Mr. Lapia suggested that Mr. Gorski also obtain a quote from Good's Plumbing. A motion to authorize proceeding with obtaining quotes and proceeding with the lowest quote for replacing the air conditioning unit was made by Mr. Lapia, and seconded by Mr. Mace. The Authority will purchase a unit with coated coils. The motion passed unanimously.

This concluded the Assistant Manager's report.

8. Consulting Engineer

A. Chad Hanley, Herbert, Rowland & Grubic, Inc. (HRG):

- 1. Mr. Hanley reported that a grant opportunity has opened up with the Local Share Account-Category 4 Facilities Program. Three Pennsylvania counties were listed as being eligible for this grant. Mr. Hanley stated that Mr. Gorski felt the Authority should apply for this grant for two potential projects. HRG has prepared two Resolutions authorizing the Authority to apply for grants for the Instrumentation and Process Improvements Project and the Primary Clarifier Rehabilitation Project. A motion to adopt Resolution No. 2022-07 (approving the application for a Local Share Account-Category 4 Facilities Program) for the Primary Clarifier Rehabilitation Project, for a grant ask of \$300,000.00 was made by Mr. Gilbert, and seconded by Mr. Lapia. The motion passed unanimously.
- 2. Mr. Hanley requested that the Board adopt Resolution No. 2022-08 for a \$300,000.00 grant application for the Instrumentation and Process Improvements Project. A motion to approve was made by Mr. Gilbert, and seconded by Mr. Lapia. The motion passed unanimously.
- 3. Mrs. Lackey reported on Pennsylvania Senate Bill 597 that was introduced by State Senator Patrick Stefano. The bill has passed the Senate, is sitting in the House Energy and Environmental Committee, and will likely pass, this year. The bill would require water and sewer systems that serve over 751 persons to have an asset management plan. Mrs. Lackey stated that the Authority should be in pretty good shape. Mrs. Lackey stated that she doesn't see a way around having a GIS system in place. The condition assessment process should be easy, since most of the infrastructure is new. Mrs. Lackey explained the requirements of the bill. A discussion followed.
- 4. Plant Evaluation Study:
 - a. Mrs. Lackey stated that the Authority staff has been conducting a lot of sampling. HRG is reviewing the data this week, and will be incorporating the data into the model.
 - b. Projected equivalent dwelling units (EDUs) are being calculated. A lot of data is dependent on Penn Township, to ensure that HRG's growth projections are consistent with Penn Township's projections.
- 5. NPDES Permit Renewal:
 - a. Mrs. Lackey referred to a memo that was distributed to the Board with the meeting packet regarding additional sampling for the NPDES Permit renewal. Mrs. Lackey reviewed the sampling results. Arsenic, Boron, and Dissolved Iron will likely be on the next NPDES Permit as reportable items; Thallium, Dichlorobromomethane, and Free Cyanide will likely be on the permit as limits, and a TRE requirement is expected for these as well; and Acrolein, 1,3-Dichloropropylene, Carbon

Tetrachloride, Hexachlorobutadiene, and 1,2,4-Trichlorobenzene will be removed from the NPDES Permit.

This concluded HRG's report. The complete report is attached to these minutes.

9. Solicitor's Report – John Rushford: There was no report. Mr. Caroline stated that a meeting has been scheduled with representatives of Valley Landfill for Tuesday, September 20, 2022.
10. Reports of Committees:
 - A. Personnel Committee: Joseph Lapia:
 1. Administrative Staffing:
 - a. Mr. Lapia requested that the Board appoint Stanley A. Gorski, Jr., as the Authority Manager, retroactive to June 16, 2022. Mr. Gorski will receive a pay rate of 90% of the wage rate of \$110,000.00, which is \$99,000.00. This rate is for the first twelve months, and could be adjusted, if the Board adjusts the salary rate. A motion to approve was made by Mr. Mace, and seconded by Mr. Gilbert. The motion passed unanimously. It is noted that Mr. Gorski will be paid at 100% of the salary scale, effective June 16, 2023.
 - b. Mr. Caroline reported that Mr. Mace has agreed to serve on the Personnel Committee. The committee will meet on September 29, 2022 to discuss staffing requirements.
 2. Mr. Lapia requested Board approval of the Minimum Municipal Obligation Worksheet (MMO) for the both the (Western Westmoreland Municipal Authority) Defined Benefit Pension Plan and the Cash Balance Plan for the year 2023. A motion to approve was made by Mr. Gilbert, and seconded by Mr. Mace. The motion passed unanimously.

This concluded the Personnel Committee Report

- B. Finance and Budget Committee: Dylan Mace:
 1. Mr. Mace requested Board approval of fund transfer listed under Agenda item 10B (1) (a) and investments listed under Agenda Item 10B (1) (b) and 10B (1) (c), as follows:

| | |
|-------------------|--|
| Item 10B (1) (a): | Transfer \$125,339.87 from the Revenue Fund to the PENNVEST Account, <i>and</i> |
| Item 10B (1) (b): | Ratify a change in the amount of a Capital Improvement Fund two-month United States Treasury Bill purchased on July 25, 2022 from \$7,600,000.00 to \$7,620,000.00, <i>and</i> |
| Item 10B (1) (c): | Purchase a Capital Improvement Fund two-month United States Treasury Bill, in the amount of \$7,620,000.00, providing the interest rate is positive. |

A motion to approve was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed unanimously.

This concluded the Finance and Budget Committee report.

- C. Legal and Engineering Services Committee: Charles Gilbert: There was no report.

11. Requisitions:

Mr. Caroline requested Board approval of the following Requisitions:

- A. Approve Capital Improvement Fund Requisition No. 93, Scott Electric in the amount of \$1,502.69: A motion to approve was made by Mr. Gilbert, and seconded by Mr. Lapia. The motion passed, 5-0, with an abstention by Mr. Konkus, who is an employee of Scott Electric. A memorandum, signed by Mr. Konkus, is attached to these minutes.
 - B. Approve Capital Improvement Fund Requisition No. 94, in the amount of \$25,902.97: A motion to approve was made by Mr. Mace, and seconded by Mr. Gilbert. The motion passed unanimously.
 - C. Approval of PENNVEST Loan No. 75375, COA-Phase III Project, Requisition No. 5, and authorize submission to PENNVEST: \$184,786.74: A motion to approve was made by Mr. Gilbert, and seconded by Mr. Lapia. The motion passed, 4-0, with abstentions by Mr. Konkus, who is an employee of Scott Electric, a supplier to the contractor, and by Mr. Mace, who is an employee of Stone & Co., a supplier to the contractor. Memoranda, signed by Mr. Konkus and Mr. Mace, are attached to these minutes.
12. Board Member Comments: Mr. Konkus congratulated Mr. Gorski on his promotion to Authority Manager.
 13. Executive Session: None
 14. A motion to adjourn the meeting was made by Mr. Lapia, and seconded by Mr. Gilbert. The motion passed unanimously. The meeting was adjourned at 6.54 P.M.


Johanna Wtorkowski, Assistant Secretary-Treasurer

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Charles T. Konkus
DATE: September 15, 2022

I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Scott Electric, a supplier of electrical purchases made by Kukurin Contracting, Inc. COA-Phase III Project

Subject to be acted upon:

Approve PENNVEST, Loan No. 75357, COA-Phase III Project, Requisition No. 5, and authorize submission to PENNVEST, in the amount of \$184,786.74.


(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Charles T. Konkus
DATE: September 15, 2022

I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Scott Electric, a supplier of electrical purchases made by the Authority

Subject to be acted upon:

Approve Capital Improvement Fund Requisition No. 93: Scott Electric, in the amount of \$1,502.69.


(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Charles T. Konkus

DATE: September 15, 2022


I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Scott Electric, a supplier of purchases made by Kukurin Contracting, Inc., contractor for the COA-Phase III Project

Subject to be acted upon:

Approval and submittal to PENNVEST of Pay Estimate No. 8 in the amount of \$184,786.74, as submitted by Kukurin Contracting, Inc., for the period ending August 26, 2022.



(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Charles T. Konkus

DATE: September 15, 2022

I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Scott Electric, a supplier of electrical purchases made by the Authority

Subject to be acted upon:

Approve Revenue Fund Requisition No. 400, Scott Electric, in the amount of \$122.13.



(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Dylan Mace

DATE: September 15, 2022

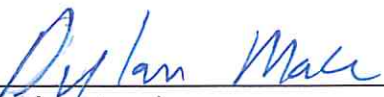
I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Stone & Co., a supplier of purchases made by the Authority

Subject to be acted upon:

Approve Revenue Fund Requisition No. 401, Stone & Co., in the amount of \$55.92


(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Dylan Mace

DATE: September 15, 2022

I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Stone & Co., a supplier of purchases made by Kukurin Contracting, Inc., contractor for the COA-Phase III Project

Subject to be acted upon:

Approval and submittal to PENNVEST of Pay Estimate No. 8 in the amount of \$184,786.74, as submitted by Kukurin Contracting, Inc., for the period ending August 26, 2022.



(Member's Signature)

MEMORANDUM

TO: Secretary of the Board of Directors of
Western Westmoreland Municipal Authority

FROM: Dylan Mace
DATE: September 15, 2022

I, the undersigned, Director of Board of the Western Westmoreland Municipal Authority do hereby publicly announce and disclose that due to the following conflict, or possible conflict of interest, I am abstaining from voting of the hereinafter set forth matter coming before the Board of the Western Westmoreland Municipal Authority.

Nature of Possible Conflict:

Employee of Stone & Co., a supplier of purchases made by the Authority
COA-Phase III Project

Subject to be acted upon:

Approve PENNVEST, Loan No. 75357, COA-Phase III Project, Requisition
No. 5, and authorize submission to PENNVEST, in the amount of
\$184,786.74.

Dylan Mace
(Member's Signature)

The Western Westmoreland Municipal Authority
 COA Improvement Project - Phase III
 Bushy Run, Paintertown, & Manor Sewer Interceptor Upgrades



Construction Status Report

Report Period: August-22

Total Days: 730
 Days Expended: 470
 Days Remaining: 260

Prepared By: BJB
 Date: Sep 7, 2022

Construction Start Date: May 19, 2021
 Construction Completion Date: May 19, 2023

| Contract | Contract Award | B Approved Change Orders | C=(A+B) Current Contract Amount | D Value of Work Completed to Date | E=(D/C) Percent Complete | F=100-E Percent Remaining | F=(B/C) Percent Change Orders |
|---------------------------|-----------------|--------------------------------|---------------------------------------|---|--------------------------------|---------------------------------|-------------------------------------|
| Kukurin Contracting, Inc. | \$ 4,744,447.00 | \$ 51,250.79 | \$ 4,795,697.79 | \$ 3,119,853.54 | 65% | 35% | 1% |

Retainage: 5% \$ 155,992.68
 Net Amount Earned to Date: \$ 2,963,860.86
 Previous Payments: \$ 2,779,074.12
Balance Due This Pay Period: \$ 184,786.74

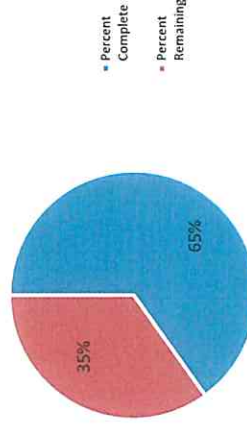
Balance to Finish Plus Retainage: \$ 1,831,836.93

COMMENTS:

Work Completed This Period:

- 1,045 LF of ACP Sewer Pipe was removed and disposed. 300 LF of ACP Sewer Pipe was "discontinue use"
- 6 manholes were removed, 1 manhole was "discontinue use"
- 1,604.50 LF of 30" Sewer Pipe - Type A was installed. 65.11 VF of 60" manhole was set.
- 12 LF of 8" sewer pipe was installed. 51 LF of 6" sewer pipe was installed. 2 LF of 4" sewer pipe was installed. 2 connections to existing Municipal Sewer were completed. 3 6" Insert-a-tees were installed.
- 268.50 LF of concrete encasement was placed for the 30" sewer.
- 793 LF of streambank stabilization - type 2 was installed. 136 LF of cofferdam was installed. 4608 SY of seeding and mulching was completed. 1,259 SY of wetlands material was installed.
- Construction meeting held on 08-16-2022.
- Total Number of Construction Meetings: (6) Virtual Check-ins after bid during pipe shortage, (1) Preconstruction, (17) Construction Progress Meetings
- Total Number of full Inspector Days: 146.5, 19 in August

Project Status



Western Westmoreland Municipal Authority
 COA Improvement Project - Phase III
 Change Order Summary



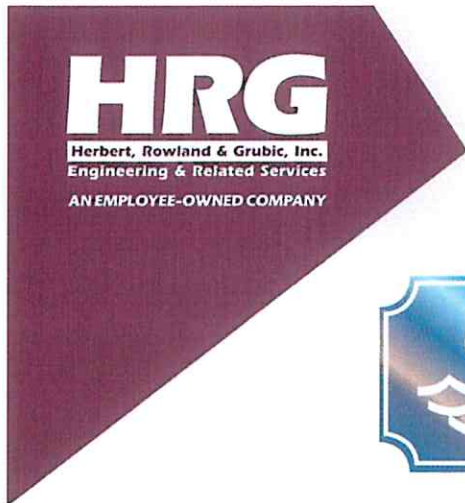
Kukurin Contracting, Inc.

Current Contract Amount w/ Approved Change Orders: \$ 4,795,697.79

Note: Items in bold have been completed.

| CO No. | CPR No. | Change Order Description | Approved | | Pending | | Comment |
|--------|---------|---|--------------|--------|------------------------|--------|--|
| | | | Add | Deduct | Add | Deduct | |
| | 01 | Paintertown Rd - Remove Drop From Existing MH RPT-2 | \$ 1,972.45 | | | | Originally \$4,383.01, negotiated to \$2,133.12 and then \$1,972.45. Incorporated on Change Order No. 1, Approved at Board Meeting on 12.16.2021. |
| | 02 | Davis Bacon Wage Rate Modification | \$ 49,278.34 | | | | Originally \$53,228.28, negotiated to \$49,278.34. Incorporated on Change Order No. 2, Approved at Board Meeting on 12.16.2021. |
| | 03 | Additional Paving between MHs 9 & 10 | | | \$ 6,055.07 | | Coordinated with Contractor. Change Proposal Request rejected, it is the Contractor's responsibility to repair and damage that occurs outside of trench line. |
| | 04 | Strapping Down Manholes | | | \$6,560 | | Proposal provided for \$820 / manhole. Potentially strap down 5 - 8 manholes, so \$4,100 - \$6,560. Follow-up: WWMA to strap down 7 manholes internally, one manhole (RM-01) to be strapped down by KCI. Revised price to be provided. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

TOTAL \$ 51,250.79 \$ - \$ 6,560.00 \$ -
TOTAL Approved as % of Contract Value: 1.07%
TOTAL Approved & Pending as % of Contract Value: 1.21%



220 West Kensinger Drive, Suite 100
Cranberry Township, PA 16066
724.779.4777
www.hrg-inc.com



CONSULTING ENGINEER'S REPORT

Western Westmoreland Municipal Authority

Attn: Mr. Stan Gorski

Report Period: August 2022

HRG Client Number: 008234

SEPTEMBER 15, 2022 AUTHORITY MEETING

Retainer Services (.0426)

- > No changes. Previously, HRG completed the COA 2nd Quarter Report and submitted to DEP on July 28.

General Services (.0427)

- > HRG began preparing grant applications for the Local Share Account Category 4 Facilities program, due September 30. Two projects are proposed, and the resolutions were provided for the September 2022 BOD meeting.

Planning Module Reviews (.0428)

- > No planning modules submitted this month

NPDES Permit Renewal (.0429)

PRE-DRAFT PERMIT SURVEY

HRG is assisting the Authority with coordination with DEP and additional sampling to meet the DEP detection limits. HRG anticipates that additional sampling will eliminate at least five (5) of the eleven (11) WQBELs.

- > All sample data has been received and reviewed; HRG provided the data to DEP on August 24 following the virtual meeting with DEP, WWMA, and HRG.
- > A summary letter dated September 8 was provided to the Board. The letter details background information, sampling results, and anticipated next steps.
- > HRG will prepare a proposal for additional work upon draft permit issuance. HRG anticipates the permit to request TRE and WQBEL Reports.

WWTP Process Improvements (.0430)

LSA GRANT APPLICATION

- > No updates. Previously, HRG submitted the grant application on March 15 regarding plant instrumentation and SCADA upgrades. Responses are anticipated in Fall 2022.

WWTP EVALUATION STUDY

- > The Authority is conducting additional sampling through August to help finish calibrating the model (e.g., hourly influent plant sampling; process sampling). Sampling is complete and HRG expects results the week of September 12.
- > HRG provided EDU and flow projections to the Authority for review on July 20. HRG will use these projections for the future modelling scenarios.

Capital Projects

CHEMICAL ADDITION PROJECT

- > No changes. HRG briefly reviewed the project with Authority staff and shall continue discussions in the future. HRG will explore chemical addition options as part of the WWTP Evaluation Study.

END OF ENGINEER'S RETAINER SERVICES AND ACTIVE PROJECTS REPORT

Please feel free to contact me if you have any questions regarding this report or other items.

HERBERT, ROWLAND & GRUBIC, INC.



Chad E. Hanley, P.E.
Group Manager | Water & Wastewater

CEH/LBL
R008234.0426
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c: Ms. Johanna Wtorkowski



220 West Kensing Drive
 Suite 100
 Cranberry Township, PA 16066
 724.779.4777
 www.hrg-inc.com

Via Email

September 8, 2022

Board of Directors
 Western Westmoreland Municipal Authority
 12441 Route 993
 North Huntingdon, Pennsylvania 15642-4264

Re: 2022 NPDES Sampling Results Summary

Dear Board Members:

Herbert, Rowland & Grubic, Inc. (HRG) is providing this letter to summarize the additional NPDES permit sampling effort and to detail anticipated next steps.

BACKGROUND

In February 2022, DEP provided a pre-draft survey letter to the Authority (enclosed) and requested a survey response and recommended additional sampling for toxic pollutants. HRG and WWMA developed a sampling plan that included eleven (11) pollutants over a seven (7) week period from June 2 to July 14, 2022. In addition, HRG contacted several laboratories to ensure that they would be able to meet DEP testing requirements. CWM Environmental was the recommended laboratory.

SAMPLING RESULTS

HRG reviewed and analyzed the weekly sampling results, and the complete set of sampling results is enclosed. Nine (9) of the pollutants were tested for all seven (7) weeks, while two (2) pollutants were tested for four (4) weeks. The table below summarizes the average and maximum results, as well as the proposed DEP limits from the pre-draft letter.

| Pollutant: | Effluent Results (µg/L) | | Prop. Monthly Avg. Limit (µg/L) | Prop. Max Daily Limit (µg/L) |
|------------------------|-------------------------|------|---------------------------------|------------------------------|
| | AVG | MAX | | |
| Arsenic | 2.37 | 2.87 | Report | Report |
| Boron | 594 | 720 | Report | Report |
| Dissolved Iron | 62.9 | 180 | Report | Report |
| Thallium, Total [1] | Non-detect | | 0.27 | 0.42 |
| Dichlorobromomethane | 0.77 | 1.3 | 1.88 | 2.94 |
| Free Cyanide | 4.57 | 8 | 4.52 | 7.05 |
| Acrolein | 1 | 1 | | REMOVED |
| 1,3-Dichloropropylene | 0.5 | 0.5 | | REMOVED |
| Carbon Tetrachloride | 0.5 | 0.5 | | REMOVED |
| Hexachlorobutadiene | 0.13 | 0.26 | | REMOVED |
| 1,2,4-Trichlorobenzene | 0.14 | 0.27 | | REMOVED |

[1] The three (3) samples from the NPDES permit submission had detectable results using a detection limit of 0.5 µg/L; the seven (7) additional samples were non-detect using the DEP limit of 2.0 µg/L.

HRG and WWMA met with DEP on August 26, 2022 to discuss the sampling results and likely requirements for the draft NPDES permit:

- > A total of ten (10) samples were completed for arsenic, boron, and dissolved iron. DEP will use the average results in their models rather than the maximum. Despite the additional sampling, these values are likely to remain as "REPORT" on the permit.
- > The additional four (4) samples for acrolein, 1,3-dichloropropylene, carbon tetrachloride, hexachlorobutadiene, 1,2,4-trichlorobenzene were non-detect. DEP will likely remove these pollutants from the permit.
- > A total of ten (10) samples were completed for thallium, dichlorobromomethane, and free cyanide, and DEP will use the average in their model. HRG anticipates limits on the permit despite using average values, and these will be weekly samples. Based on the above sampling results, free cyanide will be difficult to meet. In addition, WWMA must ensure that thallium is tested weekly, no lower than the DEP minimum detection limit of 2 µg/L.

NEXT STEPS

DEP will analyze the sampling results submitted on August 26th and release a draft NPDES permit by the end of September. Upon request, HRG will review the draft NPDES permit and provide a letter summarizing major changes. HRG anticipates that the draft permit will require a Toxicity Reduction Evaluation (TRE) Report over the next year focused on the pollutants with limits (i.e., thallium, dichlorobromomethane, and free cyanide).

Please feel free to contact me with any additional questions regarding the sampling results and next steps at llackey@hrg-inc.com or 724-858-9014.

Sincerely,

HERBERT, ROWLAND & GRUBIC, INC.



Liz B. Lackey, P.E.
Team Leader | Water & Wastewater

CEH/LBL/SCS/MLB/kmg
R008234.0429

Project\0082\008234_0429\Admin\2022 NPDES Permit Assistance\2022.09.08 HRG Letter to WWMA\2022.09.08 Sampling Results Memo.docx

Enclosures

c: Mr. Stan Gorski, General Manager
Ms. Johanna Wtorkowski, Finance Director/Assistant Secretary-Treasurer

NPDES Permit Sampling Results

| DEP QL (ug/L) | Pollutants | | | | | | | | | |
|-----------------------|------------|--------|------|------|------|---------|---------|---------|---------|---------|
| | 3 | 200 | 20 | 2 | 0.5 | 1 | 2 | 0.5 | 0.5 | 0.5 |
| 8/25/2021 | 2.0 | 443 | 49 | 0.5 | -- | 10.0 | 2.5 | -- | -- | -- |
| 9/8/2021 | 2.0 | 385 | 62 | 0.0 | 3.7 | 10.0 | 2.5 | 1 | 1.0 | 2.9 |
| 9/15/2021 | 2.0 | 440 | 71 | ND | 1.1 | 9.0 | 2.5 | 1 | 1.0 | -- |
| 9/22/2021 | -- | -- | -- | -- | 1.2 | -- | -- | 1 | 1 | 3.3 |
| 6/2/2022 | ND | 720 | 40 | ND | 0.85 | 3 | ND | ND | ND | ND |
| 6/9/2022 | 2.05 | 400 | 40 | ND | ND | 8 | ND | ND | ND | ND |
| 6/16/2022 | ND | 520 | 40 | ND | ND | 3 | ND | ND | ND | ND |
| 6/23/2022 | 2.59 | 590 | 40 | ND | ND | 4 | ND | ND | ND | ND |
| 6/30/2022 | 2.84 | 590 | 180 | ND | 1.3 | 3 | ND | ND | ND | -- |
| 7/7/2022 | 2.24 | 680 | 50 | ND | 1.23 | 3 | ND | ND | ND | -- |
| 7/14/2022 | 2.87 | 660 | 50 | ND | ND | 8 | ND | ND | ND | -- |
| AVG | 1.56 | 543 | 62.2 | 0.06 | 0.94 | 6.1 | 0.75 | 0.3 | 0.3 | 1.03 |
| MAX | 2.87 | 720 | 180 | 0.5 | 3.7 | 10 | 2.5 | 1 | 1 | 3.3 |
| Prop. Mth. Avg. Limit | REPORT | REPORT | 0.27 | 1.88 | 4.52 | REMOVED | REMOVED | REMOVED | REMOVED | REMOVED |
| Prop. Dly. Max. Limit | REPORT | REPORT | 0.42 | 2.94 | 7.05 | REMOVED | REMOVED | REMOVED | REMOVED | REMOVED |

Sampling Dates



February 8, 2022

VIA ELECTRONIC MAIL (kpfisher@wwmaweb.com)

Kevin Fisher, General Manager
Western Westmoreland Municipal Authority
12441 Route 993
N Huntingdon, PA 15642-4264

Re: Pre-Draft Permit Survey for Toxics Pollutants
Brush Creek STP
Permit No. PA0027570
Authorization ID No. 1377918
North Huntingdon Township, Westmoreland County

Dear Mr. Fisher:

The Department of Environmental Protection (DEP) has reviewed Western Westmoreland Municipal Authority's (WWMA's) NPDES permit application for the Brush Creek STP and has reached a preliminary finding that new water quality-based effluent limitations (WQBELs) for toxic pollutants should be established in the permit. This finding is based on DEP's assessment that reasonable potential exists to exceed water quality criteria under Chapter 93 in the receiving waters during design flow conditions. The following WQBELs and water quality-based reporting requirements are anticipated based on the information available to DEP during its review:

| Outfall No. | Pollutant | Average Monthly (mg/L) | Maximum Daily (mg/L) | IMAX (mg/L) | Reported Result (µg/L) | Target QL (µg/L) |
|-------------|------------------------|------------------------|----------------------|-------------|------------------------|------------------|
| 001 | Arsenic, Total | Report | Report | — | 2 | 3.0 |
| 001 | Boron, Total | Report | Report | — | 443 | 200 |
| 001 | Cyanide, Free | 4.52 | 7.05 | 11.3 | 10 | 1.0 |
| 001 | Iron, Dissolved | Report | Report | — | 71 | 20 |
| 001 | Thallium, Total | 0.27 | 0.42 | 0.68 | 0.5 | 2.0 |
| 001 | Acrolein | 3.39 | 5.29 | 8.48 | <2.5 | 2.0 |
| 001 | Carbon Tetrachloride | 0.79 | 1.25 | 1.98 | <1 | 0.5 |
| 001 | Dichlorobromomethane | 1.88 | 2.94 | 4.71 | 1.2 | 0.5 |
| 001 | 1,3-Dichloropropylene | 0.54 | 0.84 | 1.34 | <1 | 0.5 |
| 001 | Hexachlorobutadiene | 0.02 | 0.031 | 0.05 | <2.9 | 0.5 |
| 001 | 1,2,4-Trichlorobenzene | 0.079 | 0.12 | 0.2 | <2.9 | 0.5 |

Attached is a survey that DEP requests that you complete and return to DEP within 30 days. Completion of this survey will help DEP develop the draft NPDES permit and allow DEP to understand your current capabilities or plans to treat or control these pollutants. If you decide not to complete and return the survey, DEP will proceed with developing the draft NPDES permit based on all available information and certain assumptions. Your response to this notice does not constitute an official comment for DEP response but will be taken under consideration. When the draft NPDES permit is formally noticed in the *Pennsylvania Bulletin*, you may make official comments for DEP's further consideration and response.

The WQBELs for acrolein, carbon tetrachloride, 1,3-dichloropropylene, hexachlorobutadiene, and 1,2,4-trichlorobenzene are the result of WWMA's attainment of analytical reporting limits that are less stringent (i.e., higher) than DEP's target quantitation limits (Target QLs). Even though the results were reported as less than analytical reporting limits, those reporting limits are too high to rule out the possibility that discharges will result in excursions above Pennsylvania's water quality criteria. In these situations, DEP allows dischargers to collect additional samples and analyze them using reporting limits that are no greater than the Target QLs identified in the Instructions for DEP's "NPDES Application for Individual Permit to Discharge Sewage Effluent for Major Sewage Facilities". You may elect to collect a minimum of four (4) additional effluent samples, as 24-hour composites, and have the samples analyzed for acrolein, carbon tetrachloride, 1,3-dichloropropylene, hexachlorobutadiene, and 1,2,4-trichlorobenzene using reporting limits that are no greater than the Target QLs identified in the permit application instructions. The samples should be collected at least one week apart. If you elect this option, please check the appropriate box on the survey and return the survey to DEP.

WQBELs and reporting requirements for the other parameters—total arsenic, total boron, free cyanide, dissolved iron, total thallium, acrolein, and 1,3-dichloropropylene—are based on detected results. For datasets of less than ten samples, DEP uses the maximum concentration reported on the permit application to develop WQBELs. If WWMA elects to collect an additional seven samples and analyze those samples for the parameters listed in this paragraph, then DEP will use a calculated average concentration to develop WQBELs rather than the maximum reported concentration. Using an average concentration calculated using a statistically significant dataset of at least ten total samples may avoid the need for WQBELs and/or reporting requirements for those parameters despite their presence in the discharge.

If WWMA submits additional results, DEP will reevaluate whether reasonable potential exists for those parameters. If new analyses show that the parameters are not present using DEP's Target QLs or are present below thresholds that would constitute reasonable potential, then the WQBELs and reporting requirements for those parameters will be removed prior to issuance of the final permit. Review of your application will remain on hold until any additional sampling results are provided to DEP.

Please contact me at 412.442.4144 or rydecker@pa.gov if you have any questions about this letter or the attached survey.

Mr. Kevin Fisher

- 3 -

February 8, 2022

Sincerely,

A handwritten signature in black ink that reads "Ryan C. Decker". The signature is written in a cursive style with a large, looping initial "R".

Ryan C. Decker, P.E.
Environmental Engineer
Clean Water Program

cc: Dan D. Goodwin, P.E. – Wade Trim, Inc. (dgoodwin@wadetrim.com)
Regional file



Herbert, Rowland & Grubic, Inc.
Engineering & Related Services

AN EMPLOYEE-OWNED COMPANY

200 West Kensing Drive
Suite 400
Cranberry Township, PA 16066
724.779.4777
www.hrg-inc.com



Via Email

March 8, 2022

Mr. Ryan C. Decker, P.E.
Department of Environmental Protection
Clean Water Program
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222

Re: Western Westmoreland Municipal Authority
Brush Creek STP- NPDES Permit No. PA0027570
Pre-Draft Permit Survey for Toxic Pollutants

Dear Mr. Decker:

On behalf of Western Westmoreland Municipal Authority (WWMA), Herbert, Rowland & Grubic, Inc. (HRG) is responding to the Pre-Draft Survey Letter dated February 8, 2022 by Ryan C. Decker, P.E., in which a survey for toxic pollutants was requested to be completed. Please see enclosed for responses to the survey.

In summary, WWMA requests time to conduct additional effluent sampling for the eleven (11) toxicants listed in the Pre-Draft Survey Letter. At the request of DEP, HRG and WWMA can provide the proposed sampling plan or schedule. It is anticipated that the sampling results and analysis will be submitted to DEP in July 2022.

If you have any additional questions, please feel free to contact us with any questions.

Sincerely,

HERBERT, ROWLAND & GRUBIC, INC.

Liz B. Lackey, P.E.
Team Leader | Water & Wastewater

LBL/ALB/SCS/kmg
R008234.0426

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Enclosures: Pre-Draft NPDES Permit Survey

c: Ms. Mahbuba Iasmin, P.E., DEP
Mr. Kevin Fisher, WWMA
Mr. Stanley Gorski, Jr., WWMA



**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 PRE-DRAFT PERMIT SURVEY FOR TOXIC POLLUTANTS**

Permittee Name: Western Westmoreland Municipal Authority Permit No.: PA0027570

Pollutant(s) identified by DEP that may require WQBELs: Free Cyanide, Thallium, Acrolein, Carbon Tetrachloride, Dichlorobromomethane, 1,3-Dichloropropylene, Hexachlorobutadiene, 1,2,4-Trichlorobenzene

Is the permittee aware of the source(s) of the pollutant(s)? Yes No Suspected

If Yes or Suspected, describe the known or suspected source(s) of pollutant(s) in the effluent.
Both Free Cyanide and Dibromochloromethane are suspected to be disinfection byproducts from within the plant. Thallium requires additional investigation but is suspected to be either received from landfill leachate or as a background contaminant from the environment (e.g., groundwater). WWMA requests additional effluent sampling to supplement the NPDES renewal application.

Has the permittee completed any studies in the past to control or treat the pollutant(s)? Yes No

If Yes, describe prior studies and results:

Does the permittee believe it can achieve the proposed WQBELs now? Yes No Uncertain

If No, describe the activities, upgrades or process changes that would be necessary to achieve the WQBELs, if known.
Acrolein, Carbon Tetrachloride, 1,3-Dichloropropylene, Hexachlorobutadiene, and 1,2,4-Trichlorobenzene were sampled with an RDL greater than the DEP target QL. Additional sampling is proposed to confirm that the toxicants are non-detectable at the DEP target QL. Free Cyanide, Thallium, and Dichlorobromomethane require additional sampling to determine if the proposed WQBELs can be achieved with process changes or reductions from sources.

Estimated date by which the permittee could achieve the proposed WQBELs: _____ Uncertain

Will the permittee conduct additional sampling for the pollutant(s) to supplement the application? Yes No

Check the appropriate box(es) below to indicate site-specific data that have been collected by the permittee in the past. If any of these data have not been submitted to DEP, please attach to this survey.

| | |
|---|------------------|
| <input type="checkbox"/> Discharge pollutant concentration coefficient(s) of variability | Year(s) Studied: |
| <input type="checkbox"/> Discharge and background Total Hardness concentrations (metals) | Year(s) Studied: |
| <input type="checkbox"/> Background / ambient pollutant concentrations | Year(s) Studied: |
| <input type="checkbox"/> Chemical translator(s) (metals) | Year(s) Studied: |
| <input type="checkbox"/> Slope and width of receiving waters | Year(s) Studied: |
| <input type="checkbox"/> Velocity of receiving waters at design conditions | Year(s) Studied: |
| <input type="checkbox"/> Acute and/or chronic partial mix factors (mixing at design conditions) | Year(s) Studied: |
| <input type="checkbox"/> Volatilization rates (highly volatile organics) | Year(s) Studied: |
| <input type="checkbox"/> Site-specific criteria (e.g., Water Effect Ratio or related study) | Year(s) Studied: |

Please submit this survey to the DEP regional office that is reviewing the permit application within 30 days of receipt.