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January 31, 2019

VIA HAND DELIVERY

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor -- Filing Room
Harrisburg, PA 17120

Re: Tanya J. McCloskey, Acting Consumer Advocate v. Hidden Valley Utility Services, L.P., (Water), Docket No. C-2014-2447138

Tanya J. McCloskey, Acting Consumer Advocate v. Hidden Valley Utility Services, L.P. (Wastewater), Docket No. C-2014-2447169

Engineer's Report and Verification

Dear Secretary Chiavetta:

This correspondence is in response to certain ordering paragraphs in the Opinion and Order entered in this matter on May 3, 2018 ("May 2018 Order").

Wastewater

Ordering Paragraph 11 of the May 2018 Order states:

11. That Hidden Valley Utility Services, L.P., shall comply with all recommendations from the engineer with regard to wastewater services in order to ensure that customers shall receive adequate and reasonable wastewater service, on or before January 31, 2019.

In addition, Ordering Paragraph 19 of the May 2018 Order states:

19. That on or before January 31, 2019, or as soon as all repairs, modifications and improvements have been made, as ordered herein, Hidden Valley Utility Services, L.P., shall file a final detailed status report with the Secretary of the Commission, along with a verification from its engineer outlining the details of what has and has not been completed, and provide copies to the Office of Consumer Advocate and to the Commission's Bureau of Technical Utility Services, in writing, at the time of filing, identifying in detail the extent of compliance and any incomplete matters as ordered herein. If any matters ordered herein have not been completed,

Hidden Valley Utility Services, L.P., and its engineer shall state in said report, in detail, the reasons for the same.

Attached as **Appendix A** is a detailed status report, along with a verification from the engineer, outlining the projects listed in the April 2018 engineer's report and the status of each as of January 16, 2019. Copies are being provided to TUS, OCA, and all other parties to this proceeding. Hidden Valley will file another detailed status report when all outstanding items on the engineer's report have been completed.

Water

As stated above, Ordering Paragraph 19 states that Hidden Valley will file a final detailed status report "on or before January 31, 2019, or as soon as all repairs, modifications and improvements have been made, as ordered herein." However, Ordering Paragraph 8 of the May 2018 Order states:

8. That, within one (1) year [from] the date of the engineer's report, Hidden Valley Utility Services, L.P., shall comply with all recommendations from the engineer in order (1) to correct any identified deficiencies including a remedy to eliminate the rust or brown-colored water provided to customers in order to ensure that customers shall receive adequate service from the improved water facilities, and (2) to reassess the need, size and cost of treatment plant to permanently solve the problems caused by iron and manganese.

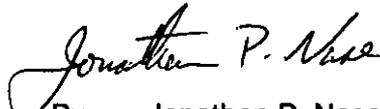
One year from the date of the engineer's report regarding the water system is April 18, 2019. Consequently, Hidden Valley respectfully submits that the final detailed status report for its water system is not yet due.

Conclusion

Thank you for your attention to this matter. Please contact me if you have any questions or concerns about this correspondence.

Sincerely,

COZEN O'CONNOR


By: Jonathan P. Nase

JPN
Enclosures

cc: Per Certificate of Service
Paul Diskin, Direct, Bureau of Technical Utility Services
James M. Kettler, President, Hidden Valley Utility Services, L.P.

VERIFICATION

I, Bradley R. Stinebiser, hereby state that the facts set forth above are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: 01/30/2019



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**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Tanya J. McCloskey, Acting Consumer Advocate

v.

Hidden Valley Utility Services, L.P. – Water

and

Tanya J. McCloskey, Acting Consumer Advocate

v.

Hidden Valley Utility Services, L.P. – Wastewater

Docket No. C-2014-2447138

Docket No. C-2014-2447169

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing **Engineer's Report and Verification** upon the parties, listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a party).

VIA E-MAIL AND FIRST CLASS MAIL:

Christine Maloni Hoover, Esq.
Erin L. Gannon, Esq.
Lauren M. Burge, Esq.
Office of Consumer Advocate
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Forum Place, 5th Floor
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Harrisburg, PA 17101-1508
Counsel for *Hidden Valley Foundation, Inc.*

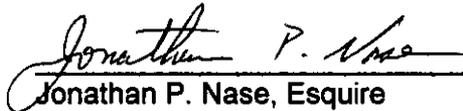
Hon. Jeffrey A. Watson
Pennsylvania Public Utility Commission
Piatt Place, Suite 220
301 5th Avenue
Pittsburgh, PA 15222

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DATED: January 31, 2019



Jonathan P. Nase, Esquire
Counsel for *Hidden Valley Utility Services, L.P.*

APPENDIX A

HIDDEN VALLEY UTILITY SERVICES ADDENDUM TO SANITARY SEWER SYSTEM FACILITIES STUDY

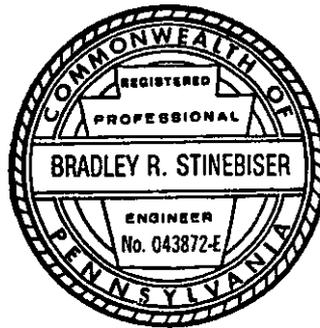
AS OF JANUARY 16, 2019

The purpose of this addendum is to provide a status update for recommended actions to address deficiencies identified in an April 2018 report prepared by the EADS Group, Inc. for the Hidden Valley Utility Services, L.P. On January 16, 2019, representatives of the EADS Group, Inc. conducted field inspections of both sewage treatment plants, effluent holding lagoon pump station, and six (6) sewage pumping stations. To indicate the status of each item identified in the April 2018 Report, we modified the Repair Tables from the Report and added notes as appropriate. Some of the items, such as those involving painting, cannot be completed until the current winter weather improves. The HVUS personnel are working to complete all items. From discussion with the System Operator completing the work, it is anticipated the pending work items will be completed in 60 – 90 days, dependent on weather conditions.

The EADS Group, Inc.
Respectfully Submitted,



By: Bradley R. Stinebiser, P.E.



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STP No. 1 – HEADWORKS AND EQUALIZATION TANKS

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the headworks and equalization facilities at STP No. 1 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 1 – HEADWORKS AND EQUALIZATION FACILITIES RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Equalization Pump #2	High	Install second equalization pump	At least two pumps shall be provided for each wetwell.	Completed as of 1/16/2019
Muffin Monster Power/Control Cables	High	Replace or repair existing muffin monster power/control cables	Each flexible cable, located in the wetwell, shall be provided with a water-tight seal.	Completed as of 1/16/2019
Muffin Monster Blades	High	Replace cutting cartridge	Not Applicable. General Maintenance.	Removed – See Note 1 Below
Equalization Splitter Box	High	Replace existing flow splitter box	Not Applicable. If structure collapses, STP operations would cease and an emergency situation would ensue.	Pending - See Note 2 Below
Equalization Pump Slide Rail System	High	Install new pump slide rail system for easy pump access	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019
Bubbler Tubes	Moderate	Replace bubbler tubes in equalization facilities with float system	Not Applicable. If high influent BOD ₅ becomes an issue bubbler tube replacement will help cottle out some material.	Completed - Bubbler Tubes eliminated and replaced with Transducer
Equalization Pump Automatic Controls	Moderate	Replace automatic controls for equalization pumps	Provisions should be made to automatically alternate pumps.	Completed - Pressure transducer added with controller
Equalization Control Panel	Moderate	Minor repairs to existing control panel	Not Applicable.	Completed as of 1/16/2019
Equalization Tank Paint	Moderate	Repaint external and internal areas affected by corrosion	Not Applicable. General Maintenance.	Pending – See Note 3 Below

- Notes: 1. Per discussion with the system Operator, the STP does not have issues with solids entering the treatment trains from flow equalization. This indicates the Muffin Monster blades are functioning adequately and grinding solid material entering the headworks.
 2. Per discussion with the system Operator, Equalization Box replacement has been ordered from Super City and is in fabrication.
 3. Tank painting cannot be completed due to weather conditions, to be completed during warmer weather.



STP No. 1 – PRIMARY CLARIFIER AND AERATION TANKS

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the primary clarifier and aeration tanks at STP No. 1 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 1 – PRIMARY CLARIFIER AND AERATION TANKS RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Sludge Collector	High	Replace sludge collector chains	Not Applicable. Without the sludge collector chains the primary clarifier cannot remove sedimentation.	Removed - See Note 1 Below
Primary Clarifier Miscellaneous Repairs	Moderate	Miscellaneous repairs to sludge collector system and tank	Not Applicable. General Maintenance.	Removed - See Note 2 Below
Froth Spray System Tank No. 1	Moderate	Clean existing spray nozzles. Locate and replace damaged or clogged section of line	Not Applicable. Aeration Tank No. 1 does not have ability to spray down froth to help improve plant performance.	Completed – See Note 3 Below
Froth Spray System Tank No. 2	Low	Clean existing spray nozzles. Replace clogged nozzles.	Not Applicable. General Maintenance.	Completed as of 1/16/2019

- Notes:
1. The system Operator has not utilized the primary clarifier for several years and assured us the level of treatment being provided has not been a problem.
 2. The system Operator has not utilized the primary clarifier for several years and assured us the level of treatment being provided has not been a problem.
 3. The system Operator indicated repairs were made but felt the line may be frozen due to the cold weather on the day of our visit.

STP No. 1 – FINAL CLARIFIER, SLUDGE HOLDING, AND EFFLUENT TANKS

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the final clarifier, sludge holding, and chlorine contact tanks at STP No. 1 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 1 – FINAL CLARIFIER, SLUDGE HOLDING, AND EFFLUENT TANKS RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Effluent Strainer Grating	High	Replace effluent strainer grating	Not Applicable. General Maintenance.	Completed as of 1/16/2019
Old Sludge Holding Tank Walls	Moderate	Drain, inspect, repair, and repaint tank	Not Applicable. General Maintenance.	Pending - See Note 1 Below
New Sludge Holding Tank Walls	Moderate	Drain, inspect, repair, and repaint tank	Not Applicable. General Maintenance.	Pending - See Note 2 Below

- Notes: 1. Old Sludge Holding Tank painting cannot be completed due to weather conditions, to be completed during warmer weather.
2. New Sludge Holding Tank painting cannot be completed due to weather conditions, to be completed during warmer weather.

STP No. 1 – CONTROL BUILDING AND EQUIPMENT

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the control building at STP No. 1 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 1 – CONTROL BUILDING AND EQUIPMENT RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Effluent Pump No. 1	High	Replace existing split case pump with end suction pump	At least two pumps shall be provided.	Completed as of 1/16/2019
Effluent Pump No. 1	High	Proposed VFDs and Controls	Not Applicable.	Completed as of 1/16/2019
Equalization Blower	High	Repair Blower Motor and Starter	A minimum of two aerators shall be provided to permit continuity of service.	Completed as of 1/16/2019
Generator Batteries	High	Replace generator batteries	Not Applicable. General Maintenance.	Completed as of 1/16/2019
Aeration Blower	Moderate	Replace Blower	Not Applicable. Two (2) blowers operational. Repair to make an additional backup.	Pending - See Note 1 Below
Aeration Blower Room Vent & Fan	Moderate	Replace fan and vent controls	Mechanical ventilation is required.	Completed as of 1/16/2019
Equalization Blower Room Fan	Moderate	Replace fan and vent controls	Mechanical ventilation is required.	Completed as of 1/16/2019
Control Building Doors	Low	Replace doors due to corrosion from partially vented rooms.	Not Applicable. General Maintenance.	Pending - See Note 2 Below

- Notes: 1. Aeration Blower is pulled and repair is pending as of 1/16/2019.
 2. Control Building Doors replacement or repair is pending as of 1/16/2019.

STP No. 2 – HEADWORKS, GENERATOR, AND FACULTATIVE LAGOON

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the headworks, generator, and aerated facultative lagoon at STP No. 2 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 2 – HEADWORKS, GENERATOR, AND FACULTATIVE LAGOON RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Generator Batteries	High	Replace generator batteries	Not Applicable. General Maintenance.	Completed as of 1/16/2019
Generator	High	Install coil heater for water line on radiator	Not Applicable. General Maintenance.	Completed as of 1/16/2019
Lagoon Liner	High	Repair hole in lagoon liner	Synthetic liners shall remain structurally sound during all anticipated working conditions.	Pending - See Note 1 Below
Lagoon Diffusers	Moderate	Flush diffusers to remove clogs and replace damaged diffusers	Not Applicable. General Maintenance.	Pending - See Note 2 Below
Parshall Flume Roof	Moderate	Replace roof over influent parshall flume channel	Not Applicable. General Maintenance.	Removed – See Note 3 Below
Equalization Wetwell Alarms	Moderate	Repair equalization pump alarm light	Appropriate high water and overflow detection devices such as visual and/or audio alarm shall be provided.	Completed as of 1/16/2019
Muffin Monster	Moderate	Replace or Repair existing cutting cartridge	Not Applicable. General Maintenance.	Removed – See Note 4 Below
Wetwell Fence	Low	Repair existing fence fabric	Not Applicable. General Maintenance.	Completed as of 1/16/2019

- Notes:
1. A hole in the existing liner still needs repaired. Work to be completed during warmer weather.
 2. Two (2) nozzles remain clogged. Operator to repair or replace.
 3. Roof is not required for Parshall Flume operation. Operator removed damaged roof to eliminate potential conflict with Parshall Flume's operation.
 4. Per discussion with the system Operator, the STP does not have issues with solids entering the treatment trains from flow equalization. This indicates the Muffin Monster blades are functioning adequately and grinding solid material entering the headworks.

STP No. 2 – CONTROL BUILDING AND CHLORINE CONTACT TANK

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the chlorine contact tank and control building at STP No. 2 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STP No. 2 – CONTROL BUILDING AND CHLORINE CONTACT TANK RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Effluent Pump	High	Install a second effluent pump	At least two pumps shall be provided.	Completed as of 1/16/2019
Effluent Pump Discharge Line Control Valve	High	Repair existing control valve	A check valve shall be placed on the discharge line of each pump.	Completed as of 1/16/2019 – See Note 1 Below
Weir Gate	High	Repair or replace weir gate to control effluent flow	Not Applicable. General Maintenance.	Completed as of 1/16/2019
Effluent Pump Room Conduit	Moderate	Replace existing conduit and damaged wiring	Not Applicable. General Maintenance.	Completed as of 1/16/2019

Notes: 1. In the original April 2018 Report, this item was mislabeled as an Effluent Pump Suction Line Gate Valve to be replaced. The corrected label reads as shown above, Effluent Pump Discharge Line Control Valve to be repaired. This work was completed as of 1/16/2019.

EFFLUENT HOLDING LAGOON, SNOWMAKING SYSTEM AND SPRAY FIELD

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the effluent holding lagoon, pumps for the snowmaking system and spray field system, and spray field and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

EFFLUENT HOLDING LAGOON, SNOWMAKING SYSTEM AND SPRAY FIELD RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Effluent Pump	High	Replace existing effluent pump	At least two pumps shall be provided.	Completed as of 1/16/2019
Effluent Basket Strainer	Moderate	Replace existing basket strainer	Not Applicable. General Maintenance.	Pending - See Note 1 Below

Notes: 1. Operator to replace cover gasket.

NORTH SUMMIT PUMPING STATION

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the North Summit Pumping Station and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

NORTH SUMMIT PUMPING STATION RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Pump #2	High	Repair existing sewage grinder pump	At least two pumps shall be provided for each wetwell.	Completed as of 1/16/2019
Flow Measurement	Moderate	Install device suitable for measuring flow	Suitable devices for measuring wastewater flow shall be considered at all pumping stations.	Completed as of 1/16/2019. Installed pump run time meters.

Notes: None

STONEWOOD LOTS PUMPING STATION

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the Stonewood Lots Pumping Station and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

STONEWOOD LOTS PUMPING STATION RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Access Steps	High	Remove rail blocking access or relocate steps	Suitable and safe means of access for persons wearing self-contained breathing apparatus shall be provided for both dry and wet wells.	Pending as of 1/16/2019
Control Panel Roof	Moderate	Replace roof above control panel	Not Applicable	Removed – See Note 1 Below
Pump Power and Controls Junction Box	Moderate	Relocate junction box to accessible location.	Not Applicable	Completed as of 1/16/2019
Flow Measurement	Moderate	Install device suitable for measuring flow	Suitable devices for measuring wastewater flow shall be considered at all pumping stations.	Completed as of 1/16/2019. Installed pump run time meters.
Trash Rack	Moderate	Install trash rack	Pumps handling sanitary or combined wastewater shall be preceded by one or more types of screening device.	Removed – See Note 2 Below
Pump Wench/Hoist	Low	Install pump hoist	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019. A portable hoist is available to all pump stations as needed.

Notes: 1. Roof over the panel is not required for Pump Station operation. Operator removed damaged roof.
 2. The system Operator confirmed these are grinder pumps. Solids traditionally collected by a trash rack can pass through the pumps. The system Operator confirmed solids have not been a problem in the past. Installation of a trash rack is no longer required.

FAIRWAYS LOTS PUMPING STATION

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the Fairways Lots Pumping Station and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

FAIRWAYS LOTS PUMPING STATION RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Control Panel Structure	High	Replace control panel structure leg	Not Applicable. If structure collapses, pump station operations would cease and an emergency situation would ensue.	Completed as of 1/16/2019
Pump Power/Control Cables	High	Replace or repair existing pump power/control cables	Each flexible cable, located in the wetwell, shall be provided with a water-tight seal.	Pending – See Note 1 Below
Pump Power and Controls Junction Box	Moderate	Relocate junction box to accessible location	Not Applicable	Pending – See Note 1 Below
Shutoff Valves	Moderate	Relocate valves outside of wetwell	Valves shall not be located in the wet well. Valves shall be located in a separate valve pit.	Pending – See Note 1 Below
Flow Measurement	Moderate	Install device suitable for measuring flow	Suitable devices for measuring wastewater flow shall be considered at all pumping stations.	Completed as of 1/16/2019. Installed pump run time meters.
Trash Rack	Moderate	Install trash rack	Pumps handling sanitary or combined wastewater shall be preceded by one or more types of screening device.	Removed – See Note 2 Below
Vent Pipe	Moderate	Install ventilation pipe	Ventilation shall be provided for all pump stations.	Completed as of 1/16/2019
Pump Wench/Hoist	Low	Install pump hoist	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019. A portable hoist is available to all pump stations as needed.

- Notes:** 1. Operator is in the process of relocating pump power and controls junction box, and valves. Excavation around existing pump station wetwell was observed on 1/16/2019.
 2. The system Operator confirmed these are grinder pumps. Solids traditionally collected by a trash rack can pass through the pumps. The system Operator confirmed solids have not been a problem in the past. Installation of a trash rack is no longer required.



HIGHLAND TOWNHOUSE PUMPING STATION

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the Highland Townhouse Pumping Station and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

HIGHLAND TOWNHOUSE PUMPING STATION RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Concrete Wetwell	High	Repair concrete wetwell to prevent groundwater infiltration	Not Applicable. Infiltration reduces the available capacity of the pumping station to convey sewage.	Completed as of 1/16/2019
Pump Power and Controls Junction Box	Moderate	Relocate junction box to accessible location.	Not Applicable	Completed as of 1/16/2019
Shutoff Valves	Moderate	Relocate valves outside of wetwell	Valves shall not be located in the wet well. Valves shall be located in a separate valve pit.	Pending as of 1/16/2019
Flow Measurement	Moderate	Install device suitable for measuring flow	Suitable devices for measuring wastewater flow shall be considered at all pumping stations.	Completed as of 1/16/2019. Installed pump run time meters.
Trash Rack	Moderate	Install trash rack	Pumps handling sanitary or combined wastewater shall be preceded by one or more types of screening device.	Removed – See Note 1 Below
Vent Pipe	Moderate	Install ventilation pipe	Ventilation shall be provided for all pump stations.	Completed as of 1/16/2019
Pump Wench/Hoist	Low	Install pump hoist	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019. A portable hoist is available to all pump stations as needed.

Notes: 1. The system Operator confirmed these are grinder pumps. Solids traditionally collected by a trash rack can pass through the pumps. The system Operator confirmed solids have not been a problem in the past. Installation of a trash rack is no longer required.

WESTRIDGE PUMPING STATION #1

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the Westridge Pumping Station #1 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

WESTRIDGE PUMPING STATION #1 RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Pump Lag Float	High	Replace pump lag float and controls	Not Applicable	Completed as of 1/16/2019
Pump #2	High	Repair existing sewage grinder pump	At least two pumps shall be provided for each wetwell.	Completed as of 1/16/2019
Electrical Disconnect Panel	High	Install disconnect panel prior to pump station control panel	Not Applicable	Completed as of 1/16/2019
Electrical Ground Wire	High	Install conduit protection for exposed section of ground wire	Not Applicable.	Completed as of 1/16/2019
Shutoff Valves	Moderate	Relocate valves outside of wetwell	Valves shall not be located in the wet well. Valves shall be located in a separate valve pit.	Pending as of 1/16/2019
Flow Measurement	Moderate	Install device suitable for measuring flow	Suitable devices for measuring wastewater flow shall be considered at all pumping stations.	Completed as of 1/16/2019. Installed pump run time meters.
Trash Rack	Moderate	Install trash rack	Pumps handling sanitary or combined wastewater shall be preceded by one or more types of screening device.	Removed - See Note 1 Below
Vent Pipe	Moderate	Install ventilation pipe	Ventilation shall be provided for all pump stations.	Pending as of 1/16/2019
Pump Wench/Hoist	Low	Install pump hoist	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019. A portable hoist is available to all pump stations as needed.

Notes: 1. The system Operator confirmed these are grinder pumps. Solids traditionally collected by a trash rack can pass through the pumps. The system Operator confirmed solids have not been a problem in the past. Installation of a trash rack is no longer required.

WESTRIDGE PUMPING STATION #2

SUMMARY AND ESTIMATED COST OF DEFICIENCIES RECOMMENDED FOR COMPLETION

The intent of this investigation was to observe and evaluate existing conditions of the Westridge Pumping Station #2 and provide the Hidden Valley Utility Services with a list estimated costs for needed repairs and maintenance. The recommendations listed in this section are based on the EADS Group's observations, and standards set forth in the Pennsylvania Department of Environmental Protection's Domestic Wastewater Facilities Manual for the construction of new facilities. This summary discloses those findings which were discernible, premised on, and limited to only visual observations. The following provides a list of recommended deficiency repairs prioritized by their observed conditional rating and their estimated repair costs:

WESTRIDGE PUMPING STATION #2				
RECOMMENDED DEFICIENCY PRIORITIZATION REPAIR TABLE				
ASSET	PRIORITY	RECOMMENDATIONS	PA DEP MANUAL COMMENTS	STATUS
Pump #2	High	Replace existing sewage grinder pump	At least two pumps shall be provided for each wetwell.	Completed as of 1/16/2019
Access Steps	High	Remove rail blocking access or relocate steps	Suitable and safe means of access for persons wearing self-contained breathing apparatus shall be provided for both dry and wet wells.	Pending as of 1/16/2019
Shutoff Valves	Moderate	Relocate valves outside of wetwell	Valves shall not be located in the wet well. Valves shall be located in a separate valve pit.	Pending as of 1/16/2019
Trash Rack	Moderate	Install trash rack	Pumps handling sanitary or combined wastewater shall be preceded by one or more types of screening device.	Removed – See Note 1 Below
Vent Pipe	Moderate	Install ventilation pipe	Ventilation shall be provided for all pump stations.	Pending as of 1/16/2019
Pump Wench/Hoist	Low	Install ventilation pipe	Provisions shall be made to facilitate removing pumps, motors, and other mechanical and electrical equipment.	Completed as of 1/16/2019. A portable hoist is available to all pump stations as needed.

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