

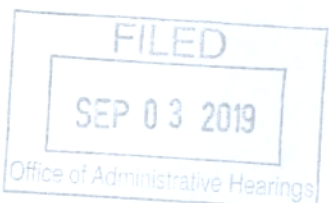
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COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DIVISION OF ENFORCEMENT
CASE NO. DOW 19-3-0154

IN RE: Bluegrass Water Utility Operating Company, LLC
Longview/Homestead Wastewater Treatment Plant
3243 Frankfort Road
Georgetown, KY 40324
AI No. 8083
Activity ID No. ERF20190001

AGREED ORDER

WHEREAS, the parties to this Agreed Order, the Energy and Environment Cabinet (hereinafter "Cabinet") and Bluegrass Water Utility Operating Company, LLC (hereinafter "BWUOC") state:

STATEMENTS OF FACT

1. The Cabinet is charged with the statutory duty of enforcing KRS Chapter 224 and the regulations promulgated pursuant thereto.
2. BWUOC is an active Kentucky Limited Liability Company in good standing that owns and operates utilities and whose principal address, according to the Kentucky Secretary of State is 500 NW Plaza Drive, Suite 500, Saint Ann, Missouri 63074..
3. Longview/Homestead Wastewater Treatment Plant (hereinafter "Longview WWTP" or "facility"), is located at 3243 Frankfort Road, Georgetown, Kentucky 40324. The facility has a design capacity of 0.100 million gallons per day and discharges to an unnamed tributary to Elkhorn Creek.
4. Longview WWTP is currently owned and operated by LH Treatment Company, LLC. The facility's discharges are permitted under Kentucky Pollutant Discharge Elimination

Systems (hereinafter "KPDES") permit number KY0081591, issued by the Cabinet's Division of Water (hereinafter "DOW"). The facility's KPDES permit expires on June 30, 2024.

5. LH Treatment Company, LLC is an active for-profit Kentucky corporation in good standing, according to the Kentucky Secretary of State.

6. BWUOC has indicated to the Cabinet that it plans to acquire Longview WWTP, provided it receives from the Kentucky Public Service Commission ("Commission") all approvals required to make the acquisition. If the Commission approves the acquisition, BWUOC plans to assume ownership and operation of Longview WWTP on or around September 15, 2019.

7. BWUOC has contracted with a third-party firm to produce an engineering memorandum detailing the status of and repairs needed at Longview WWTP (Exhibit A). This report was submitted to the Cabinet on or about July 29, 2019.

8. If it receives all required Commission approvals, BWUOC has indicated to the Cabinet that it plans to make substantial repairs and/or upgrades to the facility to address the deficiencies noted in Exhibit A.

NOW THEREFORE, in the interest of providing corrective actions to Longview WWTP, the parties hereby consent to the entry of this Agreed Order and agree as follows:

REMEDIAL MEASURES

9. BWUOC shall notify the Cabinet in writing that it has assumed ownership and operation of Longview WWTP within fifteen (15) days of acquiring the facility.

10. Within fifteen (15) days of assuming ownership and operation of the facility, BWUOC shall submit a "Change in Ownership Certification" to the Cabinet.

11. At all times, commencing with assuming ownership of the facility, BWUOC shall provide for proper operation and maintenance of the facility in accordance with 401 KAR 5:065

Section 2(1).

12. Following the initial ninety (90) days of its operation of the facility, BWUOC shall submit to the Cabinet for review and acceptance, a written Corrective Action Plan (hereinafter "CAP") to bring the facility into compliance with its KPDES permit and correct the deficiencies noted in Exhibit A. The CAP shall include, but not be limited to, an identification of actions BWUOC shall implement to ensure compliance that includes; proper operation and maintenance to its sewage treatment system, collection system, and disinfection unit. The CAP shall also include a list of all actions necessary to ensure the completion of upgrades to its facility including a list of completion dates for each action. Include in the CAP a final compliance date for completion of all remedial measures listed;

- A. Upon review of the CAP, the Cabinet may, in whole or in part, (1) accept or (2) decline and provide comments to the BWUOC identifying the deficiencies. Upon receipt of Cabinet comments, the BWUOC shall have ninety (90) days to revise and resubmit the CAP for review and acceptance. Upon resubmittal, the Cabinet may, in whole or in part, (1) accept or (2) disapprove and provide comments to the BWUOC identifying the deficiencies. Upon such resubmittal, if the CAP is disapproved, the Cabinet may deem the BWUOC to be out of compliance with this Agreed Order for failure to timely submit the CAP. The parties to this Agreed Order may also agree in writing to further extend the period in which the BWUOC and the Cabinet accept a revised and resubmitted CAP.
- B. The BWUOC may request an amendment of the accepted CAP by writing the Director of the Division of Enforcement at 300 Sower Blvd., Frankfort,

Kentucky 40601 and stating the reasons for the request. If granted, the amended CAP shall not affect any provision of this Agreed Order unless expressly provided in the amended CAP. This does not require an amendment request pursuant to paragraph 20 of this Agreed Order.

C. Upon Cabinet acceptance of all or any part of the CAP, the amended CAP or any accepted part thereof (provided that the accepted part is not dependent upon implementation of any part not yet accepted), shall be deemed incorporated into this Agreed Order as an enforceable requirement of this Agreed Order. This does not require an amendment request pursuant to paragraph 20 of this Agreed Order.

13. So long as BWUOC is in compliance with the terms and conditions of this Agreed Order, the Cabinet's Division of Enforcement agrees to hold any formal enforcement action for numeric permit parameter violations for the KPDES permit described in paragraph 4, in abeyance. Should BWUOC fail to comply with the terms and conditions of this Agreed Order, the Cabinet may seek formal enforcement action that would have otherwise been held in abeyance.

14. By the final compliance date in the accepted CAP, BWUOC shall be in full compliance with its KPDES permit.

15. All submittals required by the terms of this Agreed Order shall be submitted to: Division of Enforcement, Attention: Director, 300 Sower Blvd., Frankfort, Kentucky, 40601.

MISCELLANEOUS PROVISIONS

16. This Agreed Order shall be of no force and effect unless BWUOC assumes ownership and operations of Longview WWTP.

17. This Agreed Order addresses only the items described above. Other than the matters agreed to by entry of this Agreed Order, nothing contained herein shall be construed to waive or to limit any remedy or cause of action by the Cabinet based on statutes or regulations under its jurisdiction and BWUOC reserves its defenses thereto. The Cabinet expressly reserves its right at any time to issue administrative orders and to take any other action it deems necessary that is not inconsistent with this Agreed Order, including the right to order all necessary remedial measures, assess penalties for violations, or recover all response costs incurred, and BWUOC reserves its defenses thereto.

18. This Agreed Order shall not prevent the Cabinet from issuing, reissuing, renewing, modifying, revoking, suspending, denying, terminating, or reopening any permit to BWUOC. BWUOC reserves its defenses thereto, except that BWUOC shall not use this Agreed Order as a defense.

19. BWUOC waives its right to any hearing on the matters admitted herein. However, failure by BWUOC to comply strictly with any or all of the terms of this Agreed Order shall be grounds for the Cabinet to seek enforcement of this Agreed Order in Franklin Circuit Court and to pursue any other appropriate administrative or judicial action under KRS Chapter 224 and the regulations promulgated pursuant thereto.

20. The Agreed Order may not be amended except by a written order of the Cabinet's Secretary or his designee. BWUOC may request an amendment by writing the Director of the Division of Enforcement at 300 Sower Blvd., Frankfort, Kentucky 40601, and stating the reasons for the request. If granted, the amended Agreed Order shall not affect any provision of this Agreed Order unless expressly provided in the amended Agreed Order.

21. The Cabinet does not, by its consent to the entry of this Agreed Order, warrant or

aver in any manner that BWUOC's complete compliance with this Agreed Order will result in compliance with the provisions of KRS Chapter 224 and the regulations promulgated pursuant thereto. Notwithstanding the Cabinet's review and approval of any plans formulated pursuant to this Agreed Order, BWUOC shall remain solely responsible for compliance with the terms of KRS Chapter 224 and the regulations promulgated thereto, this Agreed Order, and any permit and compliance schedule requirements.

22. BWUOC shall give notice of this Agreed Order to any purchaser, lessee or successor in interest prior to the transfer of ownership and/or operation of any part of the facility occurring prior to termination of this Agreed Order, shall notify the Cabinet that such notice has been given, and shall follow all statutory requirements for a transfer.

23. This Agreed Order applies specifically and exclusively to the unique facilities referenced herein and is inapplicable to any other facility.

24. Compliance with this Agreed Order is not conditional on the receipt of any federal, state, or local funds.

25. This Agreed Order shall be of no force and effect unless and until it is entered by the Secretary or his designee as evidenced by his signature thereon. If this Agreed Order contains any date by which BWUOC is to take any action or cease any activity, and the Secretary enters the Agreed Order after that date, then BWUOC is nonetheless obligated to have taken the action or ceased the activity by the date contained in this Agreed Order.

TERMINATION

26. This Agreed Order shall terminate upon BWUOC's completion of all requirements described in this Agreed Order. BWUOC may submit written notice to the Cabinet when it believes all requirements have been performed. The Cabinet shall notify BWUOC in writing whether it

concur that all requirements of this Agreed Order have been completed. The Cabinet reserves its right to enforce this Agreed Order, and BWUOC reserves its right to file a petition for hearing pursuant to KRS 224.10-420(2) contesting the Cabinet's determination.

CASE NO. DOW 19-3-0154

AGREED TO BY:

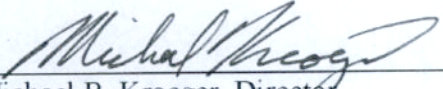


Josiah Cox, President
Bluegrass Water Utility Operating Company, LLC



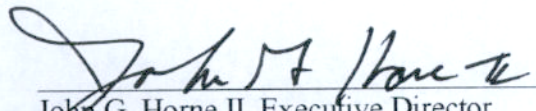
Date

APPROVAL RECOMMENDED BY:



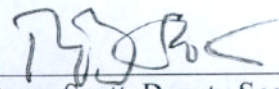
Michael B. Kroeger, Director
Division of Enforcement

8/27/19
Date



John G. Horne II, Executive Director
Office of General Counsel
Energy and Environment Cabinet

8/27/19
Date



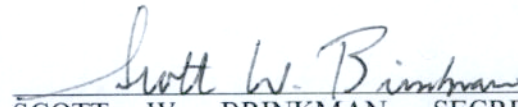
R. Bruce Scott, Deputy Secretary
Energy and Environment Cabinet

8/28/19
Date

ORDER

Wherefore, the foregoing Agreed Order is entered as the final Order of the Energy and Environment Cabinet this 3rd day of September, 2019.

ENERGY AND ENVIRONMENT CABINET


SCOTT W. BRINKMAN, SECRETARY of the
GOVERNOR'S EXECUTIVE CABINET

CERTIFICATE OF SERVICE

I hereby certify that a true and accurate copy of the foregoing **AGREED ORDER** was mailed, postage prepaid, to the following this 3rd day of September, 2019.

Bluegrass Water Utility Operating Company, LLC
Attn: Jacon Freeman
500 NW Plaza Drive, Suite 500
Saint Ann, MO 63074

And mailed, messenger to:

Michael B. Kroeger, Director
Division of Enforcement
300 Sower Blvd.
Frankfort, Kentucky 40601

John G. Horne II, Executive Director
Office of General Counsel
Energy and Environment Cabinet
300 Sower Blvd.
Frankfort, Kentucky 40601



DOCKET COORDINATOR

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FBT

Exhibit A

Civil Engineering
Surveying & Mapping
Potable Water
Wastewater Treatment



Civil Site Design
Construction Support
Transportation
Wastewater Collection

LH Treatment-Kentucky (Wastewater, KY0081591)

Engineering Memorandum

Date: February 17, 2019

Wastewater Treatment Facility Understanding

The wastewater treatment facility is made up of a standard extended aeration activated sludge facility. It doesn't appear this system has an active permit to operate. The permit appears to have expired on December 31, 2018. The plant consists of an aeration tank, clarifier, and chlorine disinfection with dechlorination. (Appendix Picture 1) The facility appears to have a good quality structure, air piping, sludge returns, and capacity to continue to be efficient towards treatment. I performed a quick estimate of capacity and it appears the structures are adequate for the 276 customers currently attached.

A review was performed of EPA's Echo compliance website which lists violations. Prior to July 1, 2017, the system appeared to be a regular offender of violations in regards to effluent limits. It is my understanding they recently completed upgrades to the facility and total performance has improved. However, the system still appears to be exceeding limits but violations are more sporadic. In 2018, the facility violated CBOD, TRC, E. coli, Ammonia, DO and TSS at least once. Understanding that the tankage and piping appears to be efficiently laid out and seems in good quality with adequate capacity, I would tend to believe that the system violations may be more from operational issues rather than capacity of facility.

While the plant appears adequate, there are a few items of concern for the facility. The facility looks relatively new and in reasonable shape. However, the system continues to violate at least one limit each testing period.

The aeration process of the treatment facility appeared to have a reasonable mixed liquor. However, standard operational testing has not been provided to us for evaluation on the operational control of the facility. Daily testing should be completed until an understanding of the facility is clear. Additionally, I'm not aware of the current operator's maintenance practice. The diffusers should be pulled from the tank and inspected in case they have fouled due to not performing preventative maintenance. While the aeration tank mixed liquor looked reasonable, it is obvious consistent operation control is not occurring. (Appendix Picture 2)

The clarifier appears to be working properly. However, the supernatant water of the clarifier appeared to have a large amount of floc releasing and/or coming to the surface. While this might also be an operational issue in regards to control of the mixed liquor and sludge returns, the clarifier is not operating at an optimal level. Allowing floc to discharge the facility can lead to surpassing the limits imposed on the facility. As discussed above, various limits were exceeded in 2018. Avoiding excessive floc in the clarifier is vital in maintaining a healthy facility. Additionally, the effluent trough appears to have some green algae attached to the bottom, which if not cleaned, may build up and cause issues with

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Civil Engineering
Surveying & Mapping
Potable Water
Wastewater Treatment



Civil Site Design
Construction Support
Transportation
Wastewater Collection

effluent samples periodically. The clarifier should be cleaned as well as evaluated for size after actual dimensions and/or as-built drawings are provided. (Appendix Picture 3)

Minimal pictures were provided of the chlorination system that would aid in 21DG providing an opinion of its state. However, the system has violated E. coli and TRC in the past year and they should be evaluated. Again, these violations could be due to poor operational and maintenance practices.

The effluent quality looks clean as it was discharging to the stream. There were no signs of sludge or buildup in the stream. (Appendix Picture 4)

It did not appear any monitoring was in place for this facility. I recommend Mission monitoring be installed for improvement control and access.

It also appeared that the shed needed to be cleaned up. Various supports are not conventional and consist of buckets and wood holding up some piping. Sunlight is also coming through the walls that will tend to let rain into the building. This will allow the building to deteriorate faster than desired. Insulation appears to be failing and should be repaired. The shed should be cleaned up to allow better access and conventional supportive items.

Improvements: Pull and inspect diffusers and possible replacement. Install Mission monitoring. Clean up shed for adequate installation and cleaner environment. Perform operational improvements that will likely allow the facility to return to meeting effluent limits.

Wastewater Collection System Understanding

No information in regards to the collection system was provided to the Engineer for review to drafting this memo. It is recommended to obtain DMRS and/or flow data for the facility from the current owner to evaluate if I and I is a problem. If the owner is knowledgeable on wastewater systems, they may also be able to shed some light on if I and I is a problem. This would be adequate to start our evaluation period until actual flow monitoring and smoke testing of the system is completed. The system does have a flow meter installed at the effluent and it is recommended to get access to the data that is being compiled.

No maps of the system were provided. The system will need to be mapped for future operation as it appeared nothing has been compiled for our review or operational maintenance purposes. The Engineer was not informed if this system was all gravity, pressure, or had any pump stations. The system should also be smoke tested. Video inspection is anticipated on parts of the system as well.

Improvements Required: Map the system. Install a flow meter. Smoke test and video inspect the collection system.

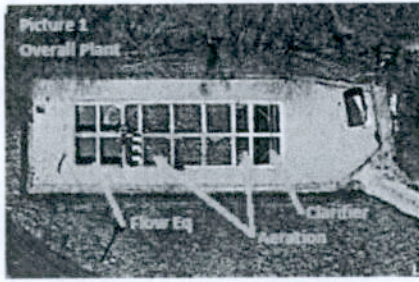
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Civil Engineering
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Wastewater Treatment

21 DESIGN

Civil Site Design
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Wastewater Collection

APPENDIX



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ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

**CERTIFICATE OF INSPECTION
FOR
DAM AND APPURTENANT WORKS**

Note: The Division of Water does not intend this report to be taken as an assurance that no other problems exist at this site or that this dam is safe. The reports sole intent is to provide you a factual account of the conditions observed at the site during the inspection.

Inspection Date: September 1, 2020
Persons Present at Inspection: Gary Wells PE, Luther Conlay

Name of Dam: LONGVIEW GOLF COURSE LAKE NO 1
ID of Dam: KY00459 **Owner:** Luther Conlay
Agency Interest: 8083 **Address:** 3243 Frankfort Pike
County: Scott **City:** Georgetown
Latitude: 38.219723 **State:** KY
Longitude: -84.666115 **Zip:** 40324
Phone: (502) 863-0111

Hazard Class	LOW	Top of Dam	770	ft	10.1	ac		ac-ft
Height of Dam (ft)	26 feet	Normal Pool	762.5	ft	5.9	ac	43.4	ac-ft
Required Hydraulic Capacity (in/6 hr)	7.1	Current Pool	762.6	ft	Condition Assessment		POOR	
Actual Hydraulic Capacity (in/6 hr)	7.5	2020	Aux. Spillway	767	ft			
Drawdown Valve Location	NOT VISIBLE		Date of Operation					

Dam Description	EARTHFILL. 250 FEET LONG. 18' TOP WIDTH.
Principal Spillway	18" CORRUGATED PIPE. HOODED INLET, ANGLES THROUGH DAM. CREST OF PIPE @ ABOUT 762.5'.
Auxiliary Spillway	OPEN CUT EARTH SPILLWAY WITH A BOTTOM WIDTH OF 25 FEET AND A CREST AT ABOUT 767.0.

Certificate of Inspection

KY ID: 00459

Inspection Date: September 1, 2020

Upstream Slope of Dam: Upstream slope is a short length of slope and needs wave protection. Upstream slope has a tall grass cover and could not be properly inspected. Slope needs to be mowed.

Crest of Dam: Crest is a paved golf cart path with grass sides. Pavement on right side (facing downstream) is cracking and deteriorating.

Downstream Slope of Dam: Downstream slope is covered with thick brush and trees. Downstream slope could not be properly inspected. Trees cause seepage issues through the dam and needs to be removed. Roots of trees loosen the compacted soil for seepage water to remove the soil weakening the stability of the slope. Trees should be removed from dam. Establish a good grass cover on the slope. Due to the lower lake backing onto this structure, wave erosion was noted on the toe of the dam.

Drainage System: This structure has no toe drains.

Principal Spillway Comment: Inlet pipe is partially blocked by a small ball. Lake is at normal pool level. Outlet pipe could not be seen during the inspection. Outlet pipe is submerged beneath the water that is backed up by the lower lake.

Outlet Works: Outlet pipe discharges into the lower lake.

Auxiliary Spillway Comments: Auxiliary spillway inlet is grass/dirt cover and is clear of debris. Control section is rock cover and is clear of debris. It appears the control section has not been modified or altered over past years. The owner was notified that any modification or repairs on the dam requires a permit from the Division of Water before work can begin.

Drawdown System: Drawdown valve could not be found during the inspection. In the past, the drawdown valve was below the dam and above ground. Drawdown valve purpose was to discharge water from the upper lake to the lower lake. The lower lake then pumps into the irrigation system to water the golf course.

Hazard Classification: Downstream of lower dam is a small tributary that flows into Elkhorn Creek. A dam breached confirmed the routing of breach flows into Elkhorn Creek. This dam should remain classified as a low hazard dam.

Hydraulic Capacity: This structures is currently capable of passing/storing 7.5 in/6hr rainfall without overtopping in 2020 hydraulic analysis. The requirement for a Low Hazard dam in Scott County is 7.1 in/6hr. This dam is hydraulically compliant.

Condition Assessment: POOR, Maintenance

General Comments and Recommendations: Remove all tall brush and bushes, small sapling, and trees on the downstream slope. Mow all grass on the dam. Keep principal spillway pipe clear of all debris. Be advised that any construction activity on a 'regulated' dam in Kentucky require a permit from the Division of Water before work can begin. Failure to obtain a permit prior to construction activity will result in enforcement action and could result in fines and penalties being levied.



Inspector: Gary Wells PE

Date: 9-11-2020

Reviewer: Glen Alexander, PE, Supervisor

Certificate of Inspection

KY ID: 00459

Inspection Date: September 1, 2020



UPSTREAM SLOPE – LEFT VIEW
GRASS NEEDS TO BE MOWED



UPSTREAM SLOPE – RIGHT VIEW
GRASS NEEDS TO BE MOWED



CREST

Certificate of Inspection

KY ID: 00459

Inspection Date: September 1, 2020



DOWNSTREAM SLOPE
REMOVE ALL TREES



DOWNSTREAM SLOPE
REMOVE ALL TREES AND BRUSH



DOWNSTREAM SLOPE
REMOVE ALL TREES AND BRUSH

Certificate of Inspection

KY ID: 00459

Inspection Date: September 1, 2020



PRINCIPAL SPILLWAY HOODED INLET



PRINCIPAL SPILLWAY PIPE OUTLET
INTO LAKE BELOW



AUXILIARY SPILLWAY INLET

Certificate of Inspection

KY ID: 00459

Inspection Date: September 1, 2020



AUXILIARY SPILLWAY



AUXILIARY SPILLWAY
CONTROL SECTION



AUXILIARY SPILLWAY
OUTLET



ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

**CERTIFICATE OF INSPECTION
FOR
DAM AND APPURTENANT WORKS**

Note: The Division of Water does not intend this report to be taken as an assurance that no other problems exist at this site or that this dam is safe. The reports sole intent is to provide you a factual account of the conditions observed at the site during the inspection.

Inspection Date: January 14, 2021
Persons Present at Inspection: Gary Wells PE

Name of Dam: LONGVIEW GOLF COURSE LAKE NO 2
ID of Dam: KY00460
Agency Interest: 8083
County: Scott
Latitude: 38.220554
Longitude: -84.670830
Owner: Whitaker Bank Corporation of Kentucky, c/o Mr. Joe Arnold
Address: 101 W. Main Street
City: Georgetown
State: KY
Zip: 40324
Email: jarnold@whitakerbank.com Phone: 502-863-0111

Hazard Class	LOW	Top of Dam	756	ft	9.76	ac	150	ac-ft
Height of Dam (ft)	21 feet	Normal Pool	752	ft	6.68	ac	42	ac-ft
Required Hydraulic Capacity (in/6 hr)	7.1	Current Pool	754	ft	Condition Assessment		POOR	
Actual Hydraulic Capacity (in/6 hr)	5.5	2021	Aux. Spillway	753	ft			
Drawdown Valve Location	PUMP HOUSE		Date of Operation	UNKNOWN				

Dam Description	EARTHFILL. 20' TOP WIDTH. 290 FT. LONG. SIDE SLOPES ARE 2:1 WET AND 4:1 DRY. PUMP HOUSE LOCATED ON BANK OF RESERVOIR UPSTREAM
Principal Spillway	RELOCATED TO THE EMERGENCY SPILLWAY SIDE OF DAM 18" CONDUIT THROUGH DAM. CONDUIT IS 30 FEET LONG. ELEVATION OF SPILLWAY INLET IS ABOUT 752.0'
Auxiliary Spillway	OPEN CUT EARTH SPILLWAY 25 FEET WIDE WITH A CREST AT ABOUT 753.0'. SIDE SLOPES OF SPILLWAY ARE 3:1 TOWARD DAM AND 5:1 TOWARD THE ABUTMENT.

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021

Upstream Slope of Dam: Upstream slope has eroded badly and has no wave protection. Slope is overgrown with brush, tall weeds, and trees. Slope needs to be cleared to inspect for wave erosion, animal burrows and vertical displacement.

Crest of Dam: Crest is overgrown with brush, tall weeds, and trees.

Downstream Slope of Dam: Downstream slope is overgrown with brush, tall weeds, and trees. Slope is too overgrown for a proper inspection.

Drainage System: The structure does not have toe drains.

Principal Spillway Comment: Spillway inlet is clogged and not in operation (not passing water). Mud and silt have filled inlet invert and is no longer operating the proper way. As a result water level is raised above normal pool. There is no discharge through outlet end of pipe. Outlet pipe is on dam and must be in auxiliary spillway.

Outlet Works: There is no stilling basin for this structure.

Auxiliary Spillway Comments: Auxiliary spillway is operating as the only spillway because principal spillway is not in operation.

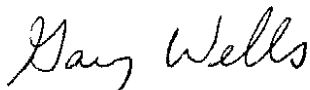
Drawdown System: Dam does not have a drawdown. A pump is used to drawdown lake to feed irrigation system. It has not been operated for many years.

Hazard Classification: Dam should remain classified as a low hazard dam. This structure is the lower dam in a trio of impoundments and would flow into a small tributary that flows into Elkhorn Creek.

Hydraulic Capacity: Dam is capable of passing/storing 5.5 in/6hr (77%) rainfall in 2021 hydraulic analysis. Minimum hydraulic requirements set forth in 401 KAR 4:030 (3) for low hazard dams in Scott County must pass 7.1 in/6hr. Dam cannot pass required storm without overtopping dam. Dam is not hydraulically compliant.

Condition Assessment: POOR, Hydraulically deficient, Maintenance

General Comments and Recommendations: Remove all tall brush, weeds, and thick vegetation on dam. Increase spillway capacity to pass more flows. Clear away mud and silt in front of principal spillway inlet and outlet pipe to make operable. Reestablish upstream slope with wave protection.



Inspector: Gary Wells PE

Date: 2-14-2021

Reviewer: Glen Alexander, PE, Supervisor

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



UPSTREAM SLOPE
WAVE EROSION HAS ERODED THE
SLOPE
SLOPE IS OVERGROWN WITH
TREES AND BRUSH



UPSTREAM SLOPE
WAVE EROSION HAS ERODED THE
SLOPE
SLOPE IS OVERGROWN WITH
TREES AND BRUSH

HEADWALL IS PRINCIPAL SPILLWAY



CREST – TREES MUST BE REMOVED



CREST – TREES MUST BE REMOVED



DOWNSTREAM SLOPE
REMOVE TREES

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



DOWNSTREAM SLOPE
TREE MUST BE REMOVED



DOWNSTREAM SLOPE
REMOVE TREES



DOWNSTREAM TOE
CATTAILS INDICATOR OF SEEPAGE
APPROXIMATE LOCATION OF
PREVIOUS SPILLWAY PIPE OUTLET

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



2021 INSPECTION
PRINCIPAL SPILLWAY HEADWALL
NOTE: PIPE INLET IS SUBMERGED
AND CLOGGED
LAKE WATER IS RISING



2009 INSPECTION
PRINCIPAL SPILLWAY PIPE INLET

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



PRINCIPAL SPILLWAY OUTLET
NO WATER FLOWING IN PIPE



PRINCIPAL SPILLWAY OUTLET
NO WATER FLOWING IN PIPE

PIPE MUST BE EXTENDED TO
AUXILIARY SPILLWAY
(BACKGROUND)



AUXILIARY SPILLWAY INLET

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



AUXILIARY SPILLWAY INLET
WATER IS RISING

PRINCIPAL SPILLWAY HEADWALL
PIPE IS SUBMERGED



AUXILIARY SPILLWAY

Certificate of Inspection

KY ID: 00460

Inspection Date: January 14, 2021



AUXILIARY SPILLWAY OUTLET



PUMP HOUSE - ALONG BANK BELOW
UPSTREAM DAM
USED TO DRAW DOWN LAKE FOR
IRRIGATION



2009 PHOTO - DOWNSTREAM SLOPE IS
CLEARED OF ALL BRUSH AND TREES

**Energy and Environment Cabinet
Kentucky Department for Environmental Protection
Division of Water**

Activity: CIN20190001 Inspection

Lead Investigator: Byrd, Wesley

Agency Interest/Permit ID: 8083

Agency Interest Name: Longview Country Club

Agency Interest Address: 3243 Frankfort Pike
Georgetown (Scott), KY, 40324 **Program:** Wastewater
County: Scott

Type of Agency Interest: REC-Arts, Entertainment, & Recreation (71)

Agency Interest Contact: **Title:** **Phone:**

Purpose: Inspection

Inspection Type: WW CEI-Minor Non-Mun

Inspection Date: 6/27/2019 **Start Time:** 10:00 AM **End Time:** 11:30 AM

Latitude: 38.21130100 **Longitude:** -84.65902400

Coordinate Collection Method: Decimal Degrees

Incident ID(s):

General Comments:
KPDES Permit No. KY0081591

On June 27th, 2019, Kentucky Division of Water Environmental Inspector Wesley Byrd conducted a KPDES comprehensive evaluation inspection at Longview Country Club, Scott County. Visual observation of the facility operation and maintenance was satisfactory. Aeration basin had an even roll, healthy color, and no odor. Clarifier was clear and skimmer appeared to be working correctly. Effluent was clear and non-odorous. Downstream observation below the outfall did not show any signs of the plant effluent affecting water quality. A review of the facility's DMRs from June 2018 to June 2019 showed excursions of the following parameters: Dissolved oxygen in May 2019, Total Suspended Solids in February 2019, E.coli in September 2018, January 2019, and March 2019, and BOD in July 2018 and February 2019. A Notice of Violation will be issued at this time for permit limit exceedences.

Person(s) Interviewed:

Name	Organization
Joe Arnold	Longview Country Club

Status/Comments:

Requirement	Status	Results or Comments
Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]	C	Facility holds KPDES Permit No. KY0081591.

Requirement	Status	Results or Comments
Have all required permits been obtained from the Division of Water prior to the construction or modification of the facility? [401 KAR 5:005 Section 1]	C	Facility holds KPDES Permit No. KY0081591.
Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]	C	Facility is operated by Mr. Joe Arnold WWII certification number 14466
Is the collection system under the primary responsibility of an individual who holds an active collection system certification at the level appropriate for the size of the treatment facility receiving the waste? [401 KAR 5:010 Section 2]	C	Mr. Arnold is also the certified for a WWII collection system.
Does the permittee retain records of all monitoring information including: the date, exact place, and time of sampling or measurements; the name of the individual who performed the sampling or measurements; the dates and times analyses were performed; the name of the individual who performed the analyses; the analytical techniques or methods used; the results of the analyses; all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation; copies of all reports required by this permit; and records of all data used to complete the application for this permit, for the period required by the cabinet and at a minimum of at least three (3) years from the date of the sample, measurement, report, or application? [401 KAR 5:065 Section 2(1)]	C	Joe Arnold maintains records as required and were available for review during the inspection. All records that were reviewed were deemed as complete with no deficiencies noted.
Is the facility required to prepare and implement a groundwater protection plan (GPP) as specified in regulation 401 KAR 5:037? If yes, does the facility have a GPP? [401 KAR 5:037 Section 3]	C	
Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? [401 KAR 5:065 Section 2(1)]	C	Facility performs monthly sampling and submits the results through NetDMR..
Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]	C	Facility performs monthly sampling and submits the results through NetDMR.
If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136 or as specified in the permit, are the results of this monitoring included in the calculation and reporting of the data submitted in the DMR? [401 KAR 5:065 Section 2(1)]	C	
Are the calculations for all limitations which require averaging of measurements utilizing an arithmetic mean unless otherwise specified by the Cabinet in the permit? [401 KAR 5:065 Section 2(1)]	C	

Requirement	Status	Results or Comments
Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1)	C	No reported instances on record at the time of the inspection for permit non-compliance, which may endanger health or the environment. Permittee is aware of the requirement to report all permit non-compliance, which may endanger health or the environment to the Cabinet immediately by the most rapid means available. The 24-hour emergency reporting number is (800) 928-2380.
Did the facility notify the Division of Water by the most rapid means available whenever, by reason of emergency or accident, a spill or discharge occurs which results in pollution of the waters of the Commonwealth? [401 KAR 5:015 Section 2]	C	No reported spill, accidents, releases, etc. on record at the time of the inspection. Permittee is aware of the requirement to report all spills, bypasses, releases, accidents, etc. to the Cabinet immediately by the most rapid means available. The 24-hour emergency reporting number is (800) 928-2380.
Is the facility being properly operated and maintained as specified in regulation 5:065? This includes: (a) proper operation and maintenance of all facilities, systems of treatment and control, and related appurtenances which are installed or used by the permittee to achieve compliance with permit conditions; (b) proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures; (c) this provision also requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)]	C	Longview Country Club was visually observed in satisfactory manner. Aeration basin had an even roll, healthy color, and no odor. Clarifier was clear and skimmer appeared to be working correctly. Effluent was clear and non-odorous with no visual impacts in the receiving surface water.
Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]	C	Facility uses gas chlorine for disinfection and sulfur dioxide for de-chlor.
Does the flow measuring device measure all flow received at the WWTP? For large wastewater facilities (average daily design capacity >50,000 gpd), is flow measured by an indicating, recording, and totalizing flow measuring device? [401 KAR 5:005 Section 12]	C	Flow is measured as required and recorded.
Is a source of water provided for cleanup? If potable water is used, is a backflow preventor installed to protect the water supply? [401 KAR 5:005 Section 10(6)]	C	Backflow devices were observed in use at the facility.
Has fencing with a lockable gate been installed around the wastewater treatment plant? [401 KAR 5:005 Section 10(7)]	C	Facility is secured by a chain link fence that is kept locked when operator is not on site.
Has an all-weather access road been installed to allow access to the wastewater treatment plant? Is the road adequately maintained to allow access to the facility for operation and maintenance activity? [401 KAR 5:005 Section 10(8)]	C	Access road is maintained to allow access in all weather conditions.

Requirement	Status	Results or Comments
Sewage sludge. Did the facility meet the requirements governing the disposal of sewage sludge from publicly owned treatment works, in accordance with 40 CFR Part 503? [401 KAR 5:065 Section 2(4)]	C	Sludge is wasted to a local municipality WWTP for disposal.
Is the effluent in compliance with KPDES permit limitations? Do the Discharge Monitoring Reports indicate KPDES permit violations? [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]	D	A review of the facility's DMRs from June 2018 through June 2019 revealed numerous parameter excursions. The facility has failed to comply with the effluent limitations contained in the permit. The Division of Enforcement is following up on the DMR violations.
Are samples taken in compliance with the monitoring requirements and taken at the following location(s): nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters? Are the samples representative of plant flow? Are flow proportioned samples obtained when required by the KPDES permit? Are grab samples collected according to the KPDES permit requirements? Are composite samples collected and analyzed according to the KPDES permit conditions? Are samples collected according to KPDES permit requirements? [401 KAR 5:065 Section 2(1)]	C	Samples are pulled at the appropriate location. Samples were not being pulled at the time of inspection. All required samples are pulled and analyzed per KPDES permit requirements.
Are the facility sample collection procedures adequate? Are the samples collected in proper containers, preserved, and refrigerated properly? Are all samples analyzed within the allowed holding times? [401 KAR 5:065 Section 2(1)]	C	
Is the facility sampling in accordance with sampling requirements specified for biomonitoring in the KPDES permit conditions? [401 KAR 5:065 Section 2(1)]	C	
Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]	C	There was no visual sign of pollutants entering the waters of the Commonwealth at the time of the inspection.
Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]	C	There was no visual sign of degradation noted at the time of the inspection.
Is the permittee in compliance with all permit conditions? [401 KAR 5:065 Section 2]	D	The facility has failed to comply with the terms of the permit. A review of the facility's DMRs from June 2018 through June 2019 revealed numerous parameter excursions. The facility has failed to comply with the effluent limitations contained in the permit. The Division of Enforcement is following up on the DMR violations.

Investigator:

Title:

Date:

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- N - N-Not Applicable
 - E - E-Not Evaluated
 - V - V-Out of Compliance-NOV
 - C - C-No Violations observed
 - I - I-No Violations obs-but impending viol trends obs

D - D-Out of Compliance-Violations Documented

O - O-Out of Comp-LOW non-recurrent Adm. or O&M

Received By:

Title:

Date:

Delivery Method: