


Great Oaks WWTP Routine Inspection

by Campbell, Zachary (EEC)

Date- 9-4-2020

A photograph of a concrete manhole cover in a wooded area. The cover is circular and made of concrete, with a metal grate on top. It is surrounded by dense green foliage and trees. A text box is overlaid on the image, stating "Not overflowing at time of inspection."


Not overflowing at time of inspection.

Not overflowing at time
of inspection.



Plant has received repairs
and new paint since last
inspection.





Plant has received repairs
and new paint since last
inspection.






Plant has received repairs
and new paint since last
inspection.



Plant has received repairs
and new paint since last
inspection.



GREAT OAKS
WASTE WATER TREATMENT PLANT
OUTFALL #001
KPEDS # KY 0080845

A photograph showing a concrete pipe discharging water into a stream. The water is clear and flows over a rocky bed. The surrounding area is covered with dry leaves, twigs, and some green plants. A text box is overlaid on the image, stating: "Discharge at outfall 001 is clear and free of solids."

Discharge at outfall 001 is clear and free of solids.



Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 1643 **AI Type:** SANI-Wastewater Treatment & Collection (2213)
AI Name: Airview WWTP
AI Address: 178 W Airview Dr
City: Elizabethtown **State:** Kentucky **Zip:** 42701
County: Hardin **Regional Office:** Louisville Regional Office
Latitude: 37.758333 **Longitude:** -85.892222

Site Contact: Josiah Cox
Title: President, Bluegrass Water Utility Operating Company, LLC.
Phone #: (314) 736-4672

Inspection Type: Wastewater Routine-Minor Non-Municipal
Activity #: CIN20200001
Incident IDs: N/A
Inspection Start Date: April 22, 2020 **Time:** 10:55 AM
End Date: April 22, 2020 **Time:** 12:50 PM
Site/Permit ID: KY0045390

Lead DEP Investigator: Sara Stewart
Other DEP Investigators: Joseph (Jody) Eilers
External Investigators: N/A
Persons Interviewed: Kathy Carey, Operator

General Comments: On April 22, 2020 a routine inspection was conducted at the Airview Wastewater Treatment Plant by Division of Water (DOW) inspectors Sara Stewart and Jody Eilers. DOW spoke with Kathy Carey, Plant Operator, while on-site. The facility has undergone changes in ownership and management since the time of the last inspection in February 2019, and many improvements were observed. The access road to the plant has been repaired, and new railings have been added between the aeration chamber and clarifier as a safety measure. An immense reduction in sludge and debris was observed, when compared to the previous inspection's photos. At the time of the inspection, the aeration chamber was observed both with blowers off, while the operator was decanting, and blowers on. With blowers off, good flocculation could be observed, and with blowers on, inspectors noted proper roll and color of the sludge. Effluent at the outfall was coming out clear, but the stream retains signs of older erosion and degradation, due to some remaining dark sediment downstream of the outfall.

Overall, the plant appears to be beginning to operate effectively, and operations can continue to improve as long as repairs and maintenance are kept up.

Overall Compliance Status: No Violations Observed- impending viol trend

Investigation Results

SI: AIOO1643

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: The facility has applied for and received a Final Permit Issuance letter from DOW for KPDES permit KY0045390, which goes into effect on May 1, 2020 and expires on April 30, 2025. DOW recommends submitting a renewal application six (6) months before the permit's expiration date.

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment: The facility is operated under the supervision of Kathy Carey, who holds Class II Licenses for both Wastewater Collection and Treatment.

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment: The KPDES permit requires a Class II Wastewater Treatment Plant Certified Operator or higher.

Requirement: 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)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: The facility was observed being properly operated and maintained at the time of the inspection.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: I-No Violations obs-but impending viol trends obs

Comment: The disinfection unit was maintained and operated properly at the time of the inspection. However, the design of the contact chamber appears to possibly provide insufficient contact time with chlorine tablets used. DOW recommends a minimum detention time of 30 minutes within the contact chamber.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed

Comment: No evidence was found at the time of the inspection suggesting that pollutants had entered the waters of the Commonwealth.

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: C-No Violations observed

Comment: Although some streambank erosion and degradation was observed, the surface waters and effluent appeared clean suggesting any degradation was no longer taking place at the time of the inspection.

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: The permittee is aware of this requirement. Reports can be made to DOW by contacting the regional office at (502) 429-7122 or by calling the 24-hour environmental emergency reporting number at (800) 928-2380.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)?. [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment: The permittee is aware of this requirement. Reports can be made to DOW by contacting the regional office at (502) 429-7122 or by calling the 24-hour environmental emergency reporting number at (800) 928-2380.

Documentation

Photos taken

Documents obtained from facility

Record of visual determination of opacity

Samples taken by DEP

- Samples taken by outside source
- Request for Submission of Documents

- Regional office instrument readings taken
- Other documentation

Inspector:



Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 3070 **AI Type:** RESIDENCE- Subdivision (nec)
AI Name: Timberland Subdivision WWTP
AI Address: Timberland Dr

City: Heath, **State:** Kentucky **Zip:** 42086
County: McCracken **Regional Office:** Paducah Regional Office
Latitude: 37.079144 **Longitude:** -88.775352
Site Contact: Todd Teas
Title: JSA Operator **Phone #:** 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20200001
Incident IDs:
Inspection Start Date: May 26, 2020 **Time:** 11:00 AM **End Date:** May 26, 2020 **Time:** 11:30 AM
Site/Permit ID: KY0083755

Lead DEP Investigator: Zachary Campbell
Other DEP Investigators:
External Investigators:
Persons Interviewed:

General Comments: DECEMBER INSPECTION

A routine wastewater inspection was conducted to determine compliance with KPDES permit KY0083755 at the Timberland Subdivision package plant in Paducah, Kentucky. The entire plant was observed during this inspection. Jessie York was present during this inspection. Water in the plant was dark gray in color. Solid are beginning to build up on the surface. The disinfection chamber has a leak on one side. The operator has applied aeration to the disinfection chamber to lower biological oxygen demand in the effluent. Photos were taken at the time of inspection. A NOV will be issued for the leak in the disinfection chamber.

MAY FOLLOW UP

A May follow up was conducted to determine if corrections were made by Todd Teas at the Timberland Subdivision WWTP. Upon inspection, it has been determined that there is no longer water discharging from the side of the disinfection chamber. The chamber still has holes that need to be repaired to keep bypasses from happening in the future. A letter of sufficiency will be issued since waste water is no longer bypassing the outfall.

Overall Compliance Status: No Viol Obs- impend viol trend

Investigation Results

SI: AIOO3070

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: No violations observed at the time of inspection.

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment: No violations observed at the time of inspection. Todd Teas of JSA is the certified operator for this plant.

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment: No violations observed at the time of inspection.

Requirement: 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)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: I-No Violations obs-but impending viol trends obs

Comment: There are holes present in the disinfection chamber. There was water bypassing the outfall that resulted in an NOV. There was no water discharging during the follow up. The holes should still be repaired so that there are not repeat violations.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: I-No Violations obs-but impending viol trends obs

Comment: The facility has failed to properly maintain and / or operate the disinfection unit. Poor maintenance of disinfection chamber has resulted in erosion and holes forming on the sides.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed

Comment: No violations observed at the time of inspection.

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: I-No Violations obs-but impending viol trends obs

Comment: Effluent water is not very clear and poor maintenance may result in degradation of surface waters.

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: I-No Violations obs-but impending viol trends obs

Comment: Poor maintenance of disinfection chamber has resulted in erosion and holes forming on the sides.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment: No violations observed during this inspection.

Documentation

- | | |
|--|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector:



Date: **5-26-20**

Received By: _____ Title: _____ Date: _____
Delivery Method: **E-Mail**

Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 3070 **AI Type:** RESIDENCE- Subdivision (nec)
AI Name: Timberland Subdivision WWTP
AI Address: Timberland Dr

City: Heath, **State:** Kentucky **Zip:** 42086
County: McCracken **Regional Office:** Paducah Regional Office
Latitude: 37.079144 **Longitude:** -88.775352
Site Contact: Todd Teas
Title: Operator **Phone #:** 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20210001
Incident IDs:
Inspection Start Date: June 4, 2021 **Time:** 10:30 AM **End Date:** June 4, 2021 **Time:** 11:00 AM
Site/Permit ID: KY0083755

Lead DEP Investigator: Zachary Campbell
Other DEP Investigators:
External Investigators:
Persons Interviewed:

General Comments: This inspection was conducted to observe operations and compliance with KPDES permit KY0083755 at Timberland Subdivision WWTP. The entire site was observed. Repairs have been made to the package plant and the chlorine contact chamber which also functions as the final treatment and outfall. The receiving waters were observed and appeared free of solids. Duckweed fills the lagoon that is used to assist with aeration. The plant appears to be well maintained. Photographs were taken and no violations were observed.

Overall Compliance Status: No Violations Observed

Investigation Results

SI: AIOO3070

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: KY0083755

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment: Todd Teas is the certified operator for this plant.

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment: Todd Teas is the certified operator for this plant.

Requirement: 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)].

[401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: No spills have been reported recently and no evidence was observed.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Documentation

- | | |
|---|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector:



Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 2935 **AI Type:** SANI-Wastewater Treatment & Collection (2213)
AI Name: Golden Acres WWTP
AI Address: Golden Acres Loop

City: Sharpe, **State:** Kentucky **Zip:** 42025
County: Marshall **Regional Office:** Paducah Regional Office
Latitude: 36.972944 **Longitude:** -88.480861
Site Contact: Todd Teas
Phone #: 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20220001
Incident IDs:
Inspection Start Date: October 12, 2022 **Time:** 01:00 PM **End Date:** October 12, 2022 **Time:** 01:30 PM
Site/Permit ID: KY0044164

Lead DEP Investigator: Jessie York
Other DEP Investigators:
External Investigators:
Persons Interviewed:

General Comments: The inspection was conducted to evaluate compliance with KPDES permit # KY0044164. This permit expires on July 31, 2025.

All phases of the treatment plant appeared to be functioning as designed. The aeration chamber appeared to have an appropriate MLSS concentration.

No violations were observed during this inspection.

Overall Compliance Status: No Violations Observed

Investigation Results

SI: AIOO2935

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: KY0044164

Expires on 7/31/25.

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment: Todd Teas

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment:

Requirement: 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)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Each phase of the treatment plant was inspected. The aeration chamber appeared to have an appropriate MLSS concentration.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: C-No Violations observed

Comment: The disinfection unit appeared to be functioning as designed.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed

Comment:

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: None observed.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment: None observed.

Documentation

- | | |
|---|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector:



Golden Acres WWTP

AI: 2935

KY0044164

by York, Jessie (EEC)

10/12/22



Influent bar screen



Aeration chamber



Sludge return



Secure fence with locked gate



Clarifier



Contact chamber

Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 3041 **AI Type:** SANI-Wastewater Treatment & Collection (2213)
AI Name: Great Oaks WWTP
AI Address: Creekside Dr

City: Paducah, **State:** Kentucky **Zip:** 42001
County: McCracken **Regional Office:** Paducah Regional Office
Latitude: 36.986158 **Longitude:** -88.638298
Site Contact: Todd Teas
Title: Operator **Phone #:** 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20210001
Incident IDs:
Inspection Start Date: November 2, 2021 **Time:** 02:45 PM **End Date:** November 2, 2021 **Time:** 03:00 PM
Site/Permit ID: KY0080845

Lead DEP Investigator: Zachary Campbell
Other DEP Investigators:
External Investigators:
Persons Interviewed:

General Comments: This routine inspection was conducted in response to incident ##2489558 and to determine compliance with KPDES permit KY0080845. The complaint was over information posted by Bluegrass Water that they obtained this package plant due to it "falling into disrepair". Bluegrass Water made repairs to the plant including patching holes that were causing bypasses to the outfall, painting and many other improvements. The entire plant was observed in this inspection. A new concrete pad was put in place and fencing is being repaired. The fence should be repaired as soon as possible. The gate to the access road was closed and locked. The plant was in good working order. The outfall was observed and receiving waters were clear and free of solids. No major violations were observed during this inspection.
Overall Compliance Status: No Violations Observed

Investigation Results

SI: AIOO3041

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: KY0080845

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment: Multiple operators from Bluegrass Water operate this plant.

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment: No violations observed.

Requirement: 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)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed
Comment: No violations observed.

Documentation

- | | |
|---|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector:



Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 2935 **AI Type:** SANI-Wastewater Treatment & Collection (2213)
AI Name: Golden Acres WWTP
AI Address: Golden Acres Loop

City: Sharpe, **State:** Kentucky **Zip:** 42025
County: Marshall **Regional Office:** Paducah Regional Office
Latitude: 36.972944 **Longitude:** -88.480861
Site Contact: Todd Teas
Phone #: 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20200002
Incident IDs:
Inspection Start Date: November 4, 2020 **Time:** 03:00 PM **End Date:** November 4, 2020 **Time:** 04:00 PM
Site/Permit ID: KY0044164

Lead DEP Investigator: Jessie York
Other DEP Investigators:
External Investigators:
Persons Interviewed: Todd Teas

General Comments: This inspection was conducted to evaluate remedial measures taken to address violations observed on February 11, 2020. The facility discharges under KPDES permit # KY0044164. This permit expires on July 31, 2025. The facility's certified operator Todd Teas was interviewed via phone following the inspection.

A Ground Water Protection Plan (GPP) has been developed. The plan was complete and up to date.

2020 DMRs were reviewed. All reports were submitted on time during that period.

The Water Infrastructure Branch, Engineering Section recently approved a plan to replace the 4" effluent sewer line with a 10" PVC line. The collection system has been smoke tested and multiple areas with excessive I & I have been repaired. No evidence of overflow was observed during this inspection.

These remedial measures are sufficient to address the previously observed violations. A Letter of Sufficiency will be issued.

Overall Compliance Status: Out of Comp- Viol documented

Investigation Results

SI: AIOO2935

SI Description:

Inspector Comment:

Requirement: 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]

Compliance Status: C-No Violations observed

Comment: A GPP has been developed.

Requirement: Is the permittee reporting monitoring results to the cabinet at the intervals specified in the permit? [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: 2020 DMRs were reviewed. All reports were submitted on time during that period.

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment:

Requirement: 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)]

Compliance Status: C-No Violations observed

Comment:

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]

Compliance Status: D-Out of Compliance-Violations Documented

Comment: 2020 DMRs were reviewed. Multiple violations for E. coli, and TRC were reported during that period.

Requirement: 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)]

Compliance Status: D-Out of Compliance-Violations Documented

Comment: 2020 DMRs were reviewed. Multiple violations for DO, E. coli, and TRC were reported during that period.

Requirement: Is the permittee in compliance with all permit conditions? [401 KAR 5:065 Section 2]

Compliance Status: D-Out of Compliance-Violations Documented

Comment: The facility has failed to comply with the terms of the permit.

Documentation

- | | |
|--|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector:



Delivery Method: Email
Certified Mail Number: N/A

Golden Acres WWTP

AI: 2935

KY0044164

by York, Jessie (EEC)

11/4/20



Aeration chamber



Aeration chamber



New blower motor

Waste-
Do
In Case of E
1-86



Clarifier and contact chamber



Contact chamber



Flow meter housing



WWTP



Secure fence

Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Wastewater Inspection Report

AI ID: 2935 **AI Type:** SANI-Wastewater Treatment & Collection (2213)
AI Name: Golden Acres WWTP
AI Address: Golden Acres Loop

City: Sharpe, **State:** Kentucky **Zip:** 42025
County: Marshall **Regional Office:** Paducah Regional Office
Latitude: 36.972944 **Longitude:** -88.480861
Site Contact: Todd Teas
Phone #: 270-564-8574
Inspection Type: WW Routine-Min Nmun **Activity #:** CIN20210001
Incident IDs:
Inspection Start Date: November 9, 2021 **Time:** 01:00 PM **End Date:** November 9, 2021 **Time:** 01:30 PM
Site/Permit ID: KY0044164

Lead DEP Investigator: Jessie York
Other DEP Investigators:
External Investigators:
Persons Interviewed:

General Comments: The inspection was conducted to evaluate compliance with KPDES permit # KY0044164. This permit expires on July 31, 2025.

All phases of the treatment plant appeared to be functioning as designed. The aeration chamber appeared to have an appropriate MLSS concentration.

No violations were observed during this inspection.

Overall Compliance Status: No Violations Observed

Investigation Results

SI: AIOO2935

SI Description:

Inspector Comment:

Requirement: Does the facility hold the proper KPDES permit?. [401 KAR 5:055 Section 2]

Compliance Status: C-No Violations observed

Comment: KY0044164

Expires on 7/31/25.

Requirement: Is the facility being operated under the supervision of a properly certified operator? [401 KAR 5:010 Section 1]. [401 KAR 5:010 Section 1]

Compliance Status: C-No Violations observed

Comment:

Requirement: 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]. [401 KAR 5:010 Section 2]

Compliance Status: C-No Violations observed

Comment:

Requirement: 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)]. [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: Each phase of the treatment plant was inspected. The aeration chamber appeared to have an appropriate MLSS concentration.

Requirement: Are the disinfection unit(s) maintained and operated properly to allow for compliance with permit conditions? [401 KAR 5:005 Section 11]. [401 KAR 5:005 Section 11]

Compliance Status: C-No Violations observed

Comment: The disinfection unit appeared to be functioning as designed.

Requirement: Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]

Compliance Status: C-No Violations observed

Comment:

Requirement: Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]. [401 KAR 10:031 Section 2]

Compliance Status: C-No Violations observed

Comment:

Requirement: Is the permittee in compliance for the reporting of spills, bypasses, and non-compliance according 401 KAR 5:065 Section 2(1). [401 KAR 5:065 Section 2(1)]

Compliance Status: C-No Violations observed

Comment: None observed.

Requirement: Is the permittee in compliance with immediate reporting requirements for emergency or accidental releases to the environment according to 401 KAR 5:065 Section 3(5)? [401 KAR 5:065 Section 3(5)]. [401 KAR 5:065 Section 3(5)]

Compliance Status: C-No Violations observed

Comment: None observed.

Documentation

- | | |
|---|--|
| <input checked="" type="checkbox"/> Photos taken | <input type="checkbox"/> Record of visual determination of opacity |
| <input type="checkbox"/> Documents obtained from facility | <input type="checkbox"/> Samples taken by DEP |
| <input type="checkbox"/> Samples taken by outside source | <input type="checkbox"/> Regional office instrument readings taken |
| <input type="checkbox"/> Request for Submission of Documents | <input type="checkbox"/> Other documentation |

Inspector: