

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 CEI-Minor Non-Mun **Activity #:** CIN20230001  
**Incident IDs:**  
**Inspection Start Date:** March 6, 2023 **Time:** 11:00 AM **End Date:** March 6, 2023 **Time:** 12:00 PM  
**Site/Permit ID:** KY0080845

**Lead DEP Investigator:** Zachary Campbell  
**Other DEP Investigators:**  
**External Investigators:**  
**Persons Interviewed:** Todd Teas

**General Comments:** This inspection was conducted to determine compliance with KPDES permit KY0080845 for the Great Oaks subdivision WWTP. Inspector met with operator Todd Teas on site who provided all requested documentation. The GPP for this site was last revised in December of 2022. Lab analysis is conducted by Pace Analytical. DMRs were reviewed in office and showed effluent violations for E. coli in March of 2023. The plant was observed along with the outfall and receiving stream. The plant appeared in good working order and the receiving stream was clear and free of solids. Violations will be documented for E. coli as effluent violations indicate improper disinfection.  
**Overall Compliance Status:** Out of Comp- Viol documented

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**Investigation Results**

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**SI:** AIOO3041

**SI Description:**

**Inspector Comment:**

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

**Compliance Status:** C-No Violations observed

**Comment:** KY0080845

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** KY0080845

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

**Compliance Status:** C-No Violations observed

**Comment:** Todd Teas operates this plant.

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**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]

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**Compliance Status:** C-No Violations observed

**Comment:** Todd Teas operates this plant.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All requested documentation was provided for review.

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**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:** GPP last revised in December of 2022.

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**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:** No violations observed.

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**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**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:** No violations observed.

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**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:** No violations observed.

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**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:** D-Out of Compliance-Violations Documented

**Comment:** The facility is not being properly operated and maintained as required. E. coli effluent violations indicate improper disinfection.

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**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:** C-No Violations observed

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**Comment:** E. coli effluent violations indicate improper disinfection.

**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** Has fencing with a lockable gate been installed around the wastewater treatment plant? [401 KAR 5:005 Section 10(7)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**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:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**Requirement:** Have samples been analyzed by a lab that has been certified according to 401 KAR 5:320? Are all field parameters collected by a lab or individual that holds a Field Only certification according to 401 KAR 5:320? [401 KAR 5:320]

**Compliance Status:** C-No Violations observed

**Comment:** Pace Analytical conducts analysis for this plant.

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

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**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. E.coli effluent violations indication improper disinfection.

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**Documentation**

- Photos taken**
- Documents obtained from facility**
- Samples taken by outside source**
- Request for Submission of Documents**

- Record of visual determination of opacity
- Samples taken by DEP**
- Regional office instrument readings taken
- Other documentation**

**Inspector:**



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# DOWCEI030623photos Great Oaks WWTP

by Campbell, Zachary (EEC)

Date: 03-06-2023



Outfall 001.





Outfall 001.





Receiving  
streams.





External storage  
on site.





Aeration basin.





Aeration basin.





Clarifier.





Return sludge.





Chlorine contact chamber.





Motor.



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

**AI ID:** 1469      **AI Type:** RESIDENCE- Subdivision (nec)  
**AI Name:** Herrington Haven Subd  
**AI Address:** Herrington Haven Rd

**City:** Lancaster, **State:** Kentucky **Zip:** 40444  
**County:** Garrard **Regional Office:** Frankfort Regional Office  
**Latitude:** 37.661389 **Longitude:** -84.689722  
**Site Contact:** Michael Dick  
**Title:** site contact      **Phone #:** 314.736.4672  
**Inspection Type:** WW CEI-Minor Non-Mun **Activity #:** CIN20210001  
**Incident IDs:**  
**Inspection Start Date:** April 13, 2021 **Time:** 12:00 PM **End Date:** April 13, 2021 **Time:** 12:30 PM  
**Site/Permit ID:** KY0053431

**Lead DEP Investigator:** Deborah Singleton  
**Other DEP Investigators:**  
**External Investigators:**  
**Persons Interviewed:** Michael Dick

**General Comments:** The facility has applied for and obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities. The permit is current and expires on July 31, 2023.

Limited inspection The facility was clean and operational at the time of the inspection. Aeration basin had a good roll and color. Minimal odor detected. Clarifier and disinfection area were satisfactory. Effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth.

**Overall Compliance Status:** Out of Comp- Viol documented

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**Investigation Results**

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**SI:** AIOO1469

**SI Description:**

**Inspector Comment:**

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**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 obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities. The permit is current and expires on July 31, 2023.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** The facility has applied for and obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities. The permit is current and expires on July 31, 2023

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

**Compliance Status:** C-No Violations observed

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**Comment:** The facility is under the charge of Mr. William McLain, active Class III, license #64427.

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**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]

**Compliance Status:** N-Not Applicable

**Comment:** Not applicable.

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**Requirement:** 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)]

**Compliance Status:** E-Not Evaluated

**Comment:** Not evaluated.

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**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 Section 3]

**Compliance Status:** E-Not Evaluated

**Comment:** Not evaluated.

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**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:** A review of the submitted Discharge Monitoring Reports revealed that the monitoring results are being submitted at the intervals specified in the issued KPDES Permit.

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**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** A review of the submitted Discharge Monitoring Reports revealed that the monitoring results are being submitted to the Division of Water on a Discharge Monitoring Report. The monitoring results are submitted utilizing the Net-DMR system.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Permittee is aware of this requirement.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Permittee is aware of this requirement.

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

**Compliance Status:** C-No Violations observed

**Comment:** The facility is aware of the requirement to report all spills, accidents, bypasses, releases, etc. to the Cabinet by the most rapid means available. The 24-hour emergency reporting number is: (800) 928-2380.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** The facility is aware of the requirement to report all spills, accidents, bypasses, releases, etc. to the Cabinet by the most rapid means available. The 24-hour emergency reporting number is: (800) 928-2380.

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**Requirement:** Is the facility being properly operated and maintained as specified in regulation 5:065? This includes: (a) proper operation

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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:** The facility was clean and operational at the time of the inspection. Aeration basin had a good roll and color. minimal odor detected. Clarifier and disinfection area were satisfactory. Effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth.

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**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:** C-No Violations observed

**Comment:** In compliance.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** Flow is measured by an appropriate method.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** In compliance.

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**Requirement:** Has fencing with a lockable gate been installed around the wastewater treatment plant? [401 KAR 5:005 Section 10(7)]

**Compliance Status:** C-No Violations observed

**Comment:** The facility is fenced and secure when plant personnel are not on site.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** In compliance.

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**Requirement:** 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)]

**Compliance Status:** N-Not Applicable

**Comment:** Not applicable. Facility is privately owned.

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**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:** The Division of Enforcement performs the Discharge Monitoring Report reviews and takes appropriate actions if necessary. Notices of Violations have been issued for parameter exceedences.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Samples are obtained at the appropriate point. Flow proportioned sampling is not required. The division is not present when the samples are collected from the outfalls and assumes that the samples are collected using appropriate containers, preservative, refrigeration, that holding times are observed and analyses performed as per permit specifications. The facility utilizes Fouser Environmental Services to collect and analyze samples. The contracted lab maintains the sampling records. The facility is required to perform the following sampling and laboratory analysis: Grab sample once per quarter for pH, Dissolved Oxygen, total residual chlorine, and E.

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Coliform. Composite samples once per quarter for Ammonia, Carbonaceous Biochemical Demand, total phosphorus, total nitrogen, and Total Suspended Solids; and flow by instantaneous measurement.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** The division is not present when the samples are collected from the outfalls and assumes that the samples are collected using appropriate containers, preservative, refrigeration, that holding times are observed and analyses performed as per permit specifications. The facility utilizes Fouser Environmental Services to collect and analyze samples. The contracted lab maintains the sampling records.

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**Requirement:** Is the facility sampling in accordance with sampling requirements specified for biomonitoring in the KPDES permit conditions? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** N-Not Applicable

**Comment:** The facility is not required to perform biomonitoring analysis.

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

**Compliance Status:** C-No Violations observed

**Comment:** The effluent discharge area was observed during the inspection. The effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth noted at the time of the inspection.

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

**Compliance Status:** C-No Violations observed

**Comment:** The effluent discharge area was observed during the inspection. The effluent was clear and odorless and there was not any visual evidence of surface water degradation noted at the time of the inspection.

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

**Compliance Status:** C-No Violations observed

**Comment:** In compliance.

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**Documentation**

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|--|--|
| <input 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:** Deborah Singleton

*Deborah E. Singleton*

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

**AI ID:** 1469      **AI Type:** RESIDENCE- Subdivision (nec)  
**AI Name:** Herrington Haven Subd  
**AI Address:** Herrington Haven Rd

**City:** Lancaster, **State:** Kentucky **Zip:** 40444  
**County:** Garrard **Regional Office:** Frankfort Regional Office  
**Latitude:** 37.661389 **Longitude:** -84.689722  
**Site Contact:** Jacob Freeman  
**Title:** permittee      **Phone #:** 314-550-1167  
**Inspection Type:** WW CEI-Minor Non-Mun **Activity #:** CIN20220001  
**Incident IDs:**  
**Inspection Start Date:** July 28, 2022 **Time:** 10:00 AM **End Date:** July 28, 2022 **Time:** 10:30 AM  
**Site/Permit ID:** KY0053431

**Lead DEP Investigator:** Deborah Singleton  
**Other DEP Investigators:**  
**External Investigators:**  
**Persons Interviewed:** Zach Wilson

**General Comments:** The facility has applied for and obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities. The permit is current and expires on July 31, 2023.

The facility was clean and operational at the time of the inspection. Aeration basin had a good roll and color. Minimal odor detected. Effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth.

The facility is currently under Agreed Order #DOW 21-3-0029. Some improvements to the plant have already been made and the remaining repairs will be made over time following a Corrective Action Plan and approval for construction.

**Overall Compliance Status:** Out of Comp- Viol documented

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**Investigation Results**

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**SI:** AIOO1469

**SI Description:**

**Inspector Comment:**

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**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 obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities. The permit is current and expires on July 31, 2023.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** The facility has applied for and obtained KPDES Permit #KY0053431 for discharges associated with wastewater treatment facilities.

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

**Compliance Status:** C-No Violations observed

**Comment:** The facility is under the charge of Mr. Zachary Wilson, active Class 1, license #70714.

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**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]

**Compliance Status:** N-Not Applicable

**Comment:** Not applicable.

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**Requirement:** 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)]

**Compliance Status:** E-Not Evaluated

**Comment:** Not evaluated.

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**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 Section 3]

**Compliance Status:** E-Not Evaluated

**Comment:** Not evaluated.

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**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:** A review of the submitted Discharge Monitoring Reports revealed that the monitoring results are being submitted at the intervals specified in the issued KPDES Permit.

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**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** A review of the submitted Discharge Monitoring Reports revealed that the monitoring results are being submitted to the Division of Water on a Discharge Monitoring Report. The monitoring results are submitted utilizing the Net-DMR system.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Permittee is aware of this requirement.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Permittee is aware of this requirement.

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

**Compliance Status:** C-No Violations observed

**Comment:** The facility is aware of the requirement to report all spills, accidents, bypasses, releases, etc. to the Cabinet by the most rapid means available. The 24-hour emergency reporting number is: (800) 928-2380.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** The facility is aware of the requirement to report all spills, accidents, bypasses, releases, etc. to the Cabinet by the most rapid means available. The 24-hour emergency reporting number is: (800) 928-2380.

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**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:** The facility was clean and operational at the time of the inspection. Aeration basin had a good roll and color. minimal odor detected. Clarifier and disinfection area were satisfactory. Effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth. Safety rails and new grates have been installed at/ around the plant. New aeration piping has been installed.

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**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:** E-Not Evaluated

**Comment:** The system is looking at installing a PAA system for disinfection

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** Flow is measured by an appropriate method.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** In compliance.

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**Requirement:** Has fencing with a lockable gate been installed around the wastewater treatment plant? [401 KAR 5:005 Section 10(7)]

**Compliance Status:** C-No Violations observed

**Comment:** The facility is fenced and secure when plant personnel are not on site.

---

**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** In compliance.

---

**Requirement:** 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)]

**Compliance Status:** N-Not Applicable

**Comment:** Not applicable. Facility is privately owned.

---

**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:** The Division of Enforcement performs the Discharge Monitoring Report reviews and takes appropriate actions if necessary. Notices of Violations have been issued for parameter exceedences.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** Samples are obtained at the appropriate point. Flow proportioned sampling is not required. The division is not present when the samples are collected from the outfalls and assumes that the samples are collected using appropriate containers, preservative, refrigeration, that holding times are observed and analyses performed as per permit specifications. The facility utilizes Pace Analytical to collect and analyze samples. The contracted lab

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maintains the sampling records. The facility is required to perform the following sampling and laboratory analysis: Grab sample once per quarter for pH, Dissolved Oxygen, total residual chlorine, and E. Coliform. Composite samples once per quarter for Ammonia, Carbonaceous Biochemical Demand, total phosphorus, total nitrogen, and Total Suspended Solids; and flow by instantaneous measurement.

---

**Requirement:** 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)]

**Compliance Status:** E-Not Evaluated

**Comment:** The Division is not present when the samples are collected from the outfalls and assumes that the samples are collected using appropriate containers, preservative, refrigeration, that holding times are observed and analyses performed as per permit specifications. The facility utilizes Pace Analytical to collect and analyze samples. The contracted lab maintains the sampling records.

---

**Requirement:** Is the facility sampling in accordance with sampling requirements specified for biomonitoring in the KPDES permit conditions? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** N-Not Applicable

**Comment:** The facility is not required to perform biomonitoring analysis.

---

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

**Compliance Status:** C-No Violations observed

**Comment:** The effluent discharge area was observed during the inspection. The effluent was clear and odorless and there was not any visual evidence of pollutants entering the waters of the Commonwealth noted at the time of the inspection.

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

**Compliance Status:** C-No Violations observed

**Comment:** The effluent discharge area was observed during the inspection. The effluent was clear and odorless and there was not any visual evidence of surface water degradation noted at the time of the inspection.

---

**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. In compliance.

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#### Documentation

- |  |  |
|--|--|
| <input 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:** Deborah Singleton

*Deborah E. Singleton*

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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:** Certified Operator      **Phone #:** 270-564-8574  
**Inspection Type:** WW CEI-Minor Non-Mun **Activity #:** CIN20190003  
**Incident IDs:**  
**Inspection Start Date:** November 12, 2019 **Time:** 01:00 PM **End Date:** November 12, 2019 **Time:** 02:00 PM  
**Site/Permit ID:** KY0080845

**Lead DEP Investigator:** Zachary Campbell  
**Other DEP Investigators:**  
**External Investigators:**  
**Persons Interviewed:** Todd Teas; Zach Roach; Terry Merritt

**General Comments:** On November 12, 2019 a compliance evaluation inspection was conducted in accordance with KPDES Permit KY0080845 at Great Oaks WWTP in Paducah, KY. This inspection was scheduled in advance with certified operator Todd Teas. Operator Zach Roach and Todd Teas were both present during the inspection. Terry Merritt, of Bluegrass Water, was contacted for access for records to review after the inspection.

The Groundwater Protection Plan (GPP), lab analysis and chain of custody documents, and DMRs were not available for review for the inspection. DMRs were reviewed in the office. Dissolved Oxygen and Nitrogen limits were both exceeded during August, 2009. Mr. Teas and Mr. Merritt said that Microbac had not been sending the results of the samples being taken. Per the KPDES permit, all documentation required by the permit is at the responsibility of the permit holder to maintain and have available for review during inspections. Mr. Merritt said that he had emailed Microbac to have the plant operators added to the email list of lab analysis.

The plant and outfall were observed during the inspection. The plant appeared to be functioning properly and the outfall was clear and free of any solids.

**Overall Compliance Status:** Out of Comp- Viol documented

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**Investigation Results**

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**SI:** AIOO3041

**SI Description:**

**Inspector Comment:**

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**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.

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**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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

**Compliance Status:** C-No Violations observed

**Comment:** Todd Teas and Zach Roach both operate the WWTP.

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**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]

**Compliance Status:** C-No Violations observed

**Comment:** Todd Teas and Zach Roach both operate the WWTP.

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**Requirement:** 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)]

**Compliance Status:** D-Out of Compliance-Violations Documented

**Comment:** The facility has failed to maintain required records. Lab analysis and chain of custody documentation, GPP, and DMRs were not made available for review at the time of inspection.

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**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 Section 3]

**Compliance Status:** D-Out of Compliance-Violations Documented

**Comment:** A GPP has not been developed or implemented. A GPP is required by the permit but was not made available for review at the time of inspection.

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**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:** From the time JSA took control of the plant in August until the time of the inspection, all reports have been on time.

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**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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]

**Compliance Status:** N-Not Applicable

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**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:** D-Out of Compliance-Violations Documented

**Comment:** The facility is not being properly operated and maintained as required. Limits on DO and Nitrogen were exceeded during August of 2019.

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**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:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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]

**Compliance Status:** N-Not Applicable

**Comment:**

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**Requirement:** 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)]

**Compliance Status:** N-Not Applicable

**Comment:**

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**Requirement:** Has fencing with a lockable gate been installed around the wastewater treatment plant? [401 KAR 5:005 Section 10(7)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**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:** The facility has failed to comply with the effluent limitations contained in the permit. Limits on DO and Nitrogen were exceeded during August of 2019.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

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**Comment:** No violations observed at the time of inspection.

**Requirement:** Is the facility sampling in accordance with sampling requirements specified for biomonitoring in the KPDES permit conditions? [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

**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]

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed at the time of inspection.

**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 required by the permit was not made available for review. DO and Nitrogen permit effluent limits were exceeded during August 2019.

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**Documentation**

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

**Inspector:**

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Great Oaks WWTP

AI:3041

KY0080845

DOWCEI111219

by Campbell, Zachary (EEC)

Date: 11-21-2019



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







































230V/3 phase

Wild Leg #2 PHASE

115 VOLT CONTROL  
ALARM

PUMP NO.1

PUMP NO.2

HAUPTSCHALTER MAIN SWITCH  
OFFEN IN 0-STELLUNG OFFEN IN OFF-POSITION

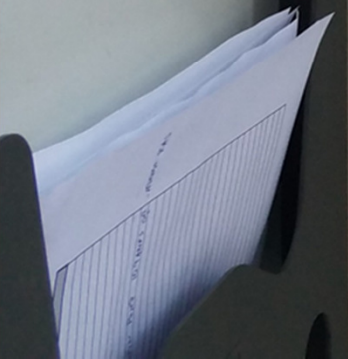


WD-LS-14  
Trench Center  
Blanket Work Order No.  
05-060222



**WARNING**  
LOCK OUT ELECTRICAL  
SERVICE TO THIS  
ENCLOSURE BEFORE  
OPENING DOOR OR  
SERVICING EQUIPMENT

W/D P.S. #14





Monitored By  
**MISSION**

MyDr<sup>o</sup>

Let Us Know You Are Here.

Use Electronic Key  
To Place 373d In Service Mode  
Prior to Maintaining Equipment.











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:** Kathy Carey  
**Title:** Operator      **Phone #:** 502-650-5124

**Inspection Type:** Wastewater CSI-Minor Non-Municipal  
**Activity #:** CIN20210001  
**Incident IDs:**  
**Inspection Start Date:** May 6, 2021 **Time:** 11:00 AM  
**End Date:** May 6, 2021 **Time:** 12:50 PM  
**Site/Permit ID:** KY0045390

**Lead DEP Investigator:** Sara Stewart  
**Other DEP Investigators:** Todd Giles  
**External Investigators:**  
**Persons Interviewed:** Kathy Carey

**General Comments:** On May 6, 2021 Division of Water Inspector Sara Stewart and Supervisor Todd Giles conducted a compliance sampling inspection (CSI) in order to determine compliance with KPDES Permit KY0045390 at Airview Estates. DOW was accompanied during the inspection by Kathy Carey, operator for Midwest Water Operations, who operate the facility.

The facility treats residential wastewater and is designed to treat a capacity of 55,000 gallons per day (GPD). Treatment processes include a grit screen, aeration basin, clarifier, and chlorine contact chamber designed for two (2) stacks of chlorine tablets. A lagoon also exists at the facility, however it was not in use at the time of the inspection. A permit for wastewater treatment plant (WWTP) modification has been approved by DOW for converting the lagoon to be used for wet weather storage. Modification had not begun at the time of the inspection, but repairs to the lagoon and surrounding vegetation were ongoing and fencing around the WWTP had been demolished and replaced with temporary construction fencing.

At the time of the inspection, the facility was operating fairly despite wet weather impacts to the plant. Effluent in the aeration basin was thin and light in color, and two blowers were not operating at the time of the inspection to generate even aeration. However, settlometer readings were being taken at the time of the inspection in anticipation of re-seeding the plant using digester solids. Additional chlorine tablets were observed around the clarifier in order to provide additional disinfection for wet weather flows coming through.

Effluent analyses obtained by DOW at the time of the inspection were as follows:

pH: 7.95  
DO: 6.91 mg/L

E. coli: 1.0 MPN/100 mL  
CBOD: 5.38 mg/L  
TSS: 8.50 mg/L  
Ammonia: 0.229 mg/L

**Overall Compliance Status:** No Violations Observed- impend viol trend

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### Investigation Results

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**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 holds KPDES permit KY0045390, which went into effect on May 1, 2020 and will expire on April 30, 2025.

**Requirement:** 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]

**Compliance Status:** C-No Violations observed

**Comment:** The facility has obtained the proper permit for modifications to a WWTP, which was approved on February 11, 2020.

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

**Compliance Status:** C-No Violations observed

**Comment:** The facility is operated by Kathy Carey, holding active license 31228 for WW Treatment II.

**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]

**Compliance Status:** C-No Violations observed

**Comment:** The collection system is supervised by Kathy Carey, holding active license 31241 for WW Collection II.

**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All samples are collected and analyzed by Beckmar Laboratories. Copies of all records are sent as attachments to Operator Kathy Carey and Central State Water Resources.

**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:** E-Not Evaluated

**Comment:** The facility's GPP was not available for review at the time of the inspection.

**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:** Monitoring reports are submitted monthly to DOW as required by the KPDES permit.

**Requirement:** Are the monitoring results reported to the cabinet on a Discharge Monitoring Report (DMR)?. [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** DMRs are submitted electronically using netDMR.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All pollutants are only monitored as required by the KPDES permit.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All calculations are performed according to the terms of the KPDES permit.

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**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 facility is aware of this requirement. Spills, bypasses, and non-compliance can be reported to DOW by contacting the regional office at (502) 429-7122 or by calling the 24-hour environmental emergency number at (800) 928-2380.

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**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:** The facility is aware of this requirement. Releases to the environment can be reported to DOW by contacting the regional office at (502) 429-7122 or by calling the 24-hour environmental emergency number at (800) 928-2380.

---

**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:** I-No Violations obs-but impending viol trends obs

**Comment:** At the time of the inspection, the facility was operating well despite wet weather impacts to the plant. Effluent in the aeration basin was thin and light in color, and two blowers were not operating at the time of the inspection to generate even aeration. However, settlometer readings were being taken at the time of the inspection in anticipation of re-seeding the plant using digester solids.

---

**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:** C-No Violations observed

**Comment:** At the time of the inspection, disinfection units were well-maintained and operating properly. Two stacks of chlorine tablets are used regularly, with additional tablets observed in the clarifier at the time of the inspection due to wet weather conditions.

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**Requirement:** 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]

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

**Comment:** Although the facility has an effluent flow meter installed, it was not working at the time of the inspection and flow was calculated and recorded daily using the facility's v-notch weir. The KPDES permit only requires an instantaneous reading for flow, however due to the facility's design capacity of 55,000 GPD, an indicating, recording, and totalizing flow measuring device is recommended.

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**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** A backflow preventor has been installed on the facility's water source used for cleanup.

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**Requirement:** Has fencing with a lockable gate been installed around the wastewater treatment plant?. [401 KAR 5:005 Section 10(7)]

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

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**Comment:** At the time of the inspection, the facility was under construction and had only temporary fencing around the plant. DOW recommends replacing fencing with a lockable gate as soon as possible in order to resume compliance.

**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** The access road to the facility was well-maintained at the time of the inspection.

**Requirement:** Is the sharp crested weir used to measure effluent flow installed in accordance with the criteria specified in regulation 401 KAR 5:005?. [401 KAR 5:005 Section 12(3)]

**Compliance Status:** C-No Violations observed

**Comment:** The facility uses a v-notched weir in order to measure effluent flow. At the time of the inspection, it was observed to be installed correctly and well-maintained.

**Requirement:** Is the Parshall flume(s) used to measure influent or effluent flows installed and maintained in accordance with the criteria specified in regulation 401 KAR 5:005?. [401 KAR 5:005 Section 12(4)]

**Compliance Status:** E-Not Evaluated

**Comment:** A Parshall flume was not observed to be used to measure influent or effluent flow at the time of the inspection.

**Requirement:** 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(1)]

**Compliance Status:** C-No Violations observed

**Comment:** Sewage sludge is held in a digester, which is pumped out as needed and taken to Outer Loop Landfill for disposal.

**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)]

**Compliance Status:** C-No Violations observed

**Comment:** A review of DMRs was conducted from May 1, 2019 through May 31, 2021. During this time, the permittee reported violations for the first four months of ownership of the facility. Notes accompanying DMR submissions detailed the permittee's efforts in gaining compliance with the KPDES permit. From January 2020 until the most recent submission reviewed by DOW, all submissions have been on time with no parameter exceedances reported.

**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All sampling and analysis is conducted by Beckmar Laboratory and is performed according to the terms of the KPDES permit.

**Requirement:** 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)]

**Compliance Status:** C-No Violations observed

**Comment:** All sampling and analysis is conducted by Beckmar Laboratory.

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

**Compliance Status:** C-No Violations observed

**Comment:** Samples are taken at Outfall 001, prior to effluent mixing with an unnamed tributary to Mill Creek.

**Requirement:** Have samples been analyzed by a lab that has been certified according to 401 KAR 5:320? Are all field parameters collected by a lab or individual that holds a Field Only certification according to 401 KAR 5:320?. [401 KAR 5:320]

**Compliance Status:** C-No Violations observed

**Comment:** All sampling, field and laboratory analysis is performed by Beckmar Laboratory, which holds certification KY00044.

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**Requirement:** Is the facility sampling in accordance with sampling requirements specified for biomonitoring in the KPDES permit conditions?. [401 KAR 5:065 Section 2(1)]

**Compliance Status:** C-No Violations observed

**Comment:** The facility samples for all parameters required by the KPDES permit.

---

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

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

**Comment:** DMR review did not indicate that any pollutants had entered the waters of the Commonwealth at the time of the inspection. However, readings obtained by DOW showed dissolved oxygen (DO) as lower than the minimum limitation, although all other parameters measured at the time of the inspection including E. coli and ammonia were well within compliance.

---

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

**Compliance Status:** C-No Violations observed

**Comment:** No evidence of surface water degradation was observed at the time of the inspection. Discharge at Outfall 001 appeared clear with no solids, sheen, or odor present.

---

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

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

**Comment:** DOW recommends repairs to the facility's flow meter and two non-functioning blowers in order to improve operating conditions, including raising DO which was recorded at 6.91 by DOW at the time of the inspection, below the required minimum of 7.00. Additionally, fencing with a lockable gate should be installed as required by the KPDES permit.

---

**Documentation**

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

**Inspector:**

---



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# CHAIN OF CUSTODY RECORD

## NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET

Program/DOW:  106    NPS    SDWA    Stream Survey    Groundwater    Wild Rivers    Tox. Test    Ref. Reach    Lakes    Pretreatment    BMP    ERT

Program/DWM:  RCRA    UST    TSCA    Solid Waste    Fed. CERCLA    St. CERCLA

Program/AQ:  Air Toxics/Canister # \_\_\_\_\_    Air Quality

Fund Source \_\_\_\_\_ Site # \_\_\_\_\_ Other Program \_\_\_\_\_

SITE LOCATION: Airview WWTP FACILITY NO.: 1643 COUNTY: Hardin

FIELD ID #	DATE/TIME	DESCRIPTION OF SITE	MATRIX	NUMBER OF CONTAINERS	PRESERVATION	ANALYSIS REQUESTED	LAB USE ONLY
	Date: <u>5/7/21</u> Time: <u>12:10</u> <input type="checkbox"/> am <input checked="" type="checkbox"/> pm	<u>Outfall 001</u>  AKGWA #: _____	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Chemical <input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Glass 1000 ml <input type="checkbox"/> Plastic 1000 ml ___ VOA 40 ml ___ Glass 140 ml ___ 280 ml <u>1 Plastic 500ml</u> ___ Other: _____	<input checked="" type="checkbox"/> Ice <sup>PH=7</sup> <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <sup>PH=2</sup> <input type="checkbox"/> NaOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> HCl <input type="checkbox"/> Other	<input type="checkbox"/> ABN <input type="checkbox"/> VOC <input checked="" type="checkbox"/> NH <sub>3</sub> <input type="checkbox"/> TO14 <input type="checkbox"/> TOC <input checked="" type="checkbox"/> TSS <input type="checkbox"/> Cl <input type="checkbox"/> HERB <input type="checkbox"/> TKN <input type="checkbox"/> BOD <input type="checkbox"/> CN <input type="checkbox"/> T. METALS <input type="checkbox"/> O&G <input type="checkbox"/> PAH <input type="checkbox"/> FP <input type="checkbox"/> PEST/PCB <input type="checkbox"/> TDS <input type="checkbox"/> ALK <input type="checkbox"/> TCLP <input type="checkbox"/> N/P PEST <input type="checkbox"/> BTEX <input type="checkbox"/> ORTHO/P <input checked="" type="checkbox"/> OTHER: <u>CBOD</u>	Sample # <u>AS01640</u> Report # _____
	Date: <u>  /  /  </u> Time: _____ <input type="checkbox"/> am : _____ <input type="checkbox"/> pm	AKGWA #: _____	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Chemical <input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/> Other	___ Glass 1000 ml ___ Plastic 1000 ml ___ VOA 40 ml ___ Glass 140 ml ___ 280 ml ___ Other: _____	<input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> HCl <input type="checkbox"/> Other	<input type="checkbox"/> ABN <input type="checkbox"/> VOC <input type="checkbox"/> NH <sub>3</sub> <input type="checkbox"/> TO14 <input type="checkbox"/> TOC <input type="checkbox"/> TSS <input type="checkbox"/> Cl <input type="checkbox"/> HERB <input type="checkbox"/> TKN <input type="checkbox"/> BOD <input type="checkbox"/> CN <input type="checkbox"/> T. METALS <input type="checkbox"/> O&G <input type="checkbox"/> PAH <input type="checkbox"/> FP <input type="checkbox"/> PEST/PCB <input type="checkbox"/> TDS <input type="checkbox"/> ALK <input type="checkbox"/> TCLP <input type="checkbox"/> N/P PEST <input type="checkbox"/> BTEX <input type="checkbox"/> ORTHO/P <input type="checkbox"/> OTHER: _____	Sample # _____ Report # _____
	Date: <u>  /  /  </u> Time: _____ <input type="checkbox"/> am : _____ <input type="checkbox"/> pm	AKGWA #: _____	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Chemical <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Other	___ Glass 1000 ml ___ Plastic 1000 ml ___ VOA 40 ml ___ Glass 140 ml ___ 280 ml ___ Other: _____	<input type="checkbox"/> Ice <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> HCl <input type="checkbox"/> Other	<input type="checkbox"/> ABN <input type="checkbox"/> VOC <input type="checkbox"/> NH <sub>3</sub> <input type="checkbox"/> TO14 <input type="checkbox"/> TOC <input type="checkbox"/> TSS <input type="checkbox"/> Cl <input type="checkbox"/> HERB <input type="checkbox"/> TKN <input type="checkbox"/> BOD <input type="checkbox"/> CN <input type="checkbox"/> T. METALS <input type="checkbox"/> O&G <input type="checkbox"/> PAH <input type="checkbox"/> FP <input type="checkbox"/> PEST/PCB <input type="checkbox"/> TDS <input type="checkbox"/> ALK <input type="checkbox"/> TCLP <input type="checkbox"/> N/P PEST <input type="checkbox"/> BTEX <input type="checkbox"/> ORTHO/P <input type="checkbox"/> OTHER: _____	Sample # _____ Report # _____

Inspector(s): Sara Stewart

Metals:  As    Ba    Cd    Cr    Pb    Hg    Se    Ag  
 Cu    Fe    Mn    Zn    Other \_\_\_\_\_

Relinquished by: <u>Jon Lewis</u>	Date: <u>5/7/21</u>	Received by: <u>Guy Woodford</u>
Representing: <u>DOW</u>	Time: <u>14:17</u>	Representing: <u>DEPS</u>
Relinquished by: _____	Date: _____	Received by: _____
Representing: _____	Time: _____	Representing: _____





CERTIFICATE OF ANALYSIS

L1E0334

KYDOW - Louisville
Todd Giles
9116 Leesgate Road
Louisville, KY 40222

Date Reported 05/07/2021
Date Due 05/17/2021
Date Received 05/06/2021
Customer # EK082

E-Coli Analysis

Table with columns: Analysis, OOC, Qualifier, Result Units, Min, Max, Method, Rpt Limit, Analysis Date, Tech. Row 1: Sample: 01, Outfall 001, Sampled 05/06/2021 @ 11:55. Row 2: E. coli, 1.0 MPN/100mL, SM 9223 B (Collert-18)-1997, 1.0, 05/06/2021 15:50, CCK.

Qualifier Definitions

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Handwritten signature of Joan Heinsohn

JOAN HEINSOHN
Customer Relationship Specialist
Reported: 05/07/2021 18:02

The data and other information contained on this, and other accompanying documents, represents only the sample (s) analyzed and is rendered upon the condition that it is not to be reproduced wholly or in part for advertising or other purposes without written approval from the laboratory.

Microbac Laboratories, Inc.

3323 Gilmore Industrial Blvd. Louisville, KY 40213 502.962.6400 Fax: 502.962.6411
Evansville 812.464.9000 | Lexington 859.276.3506 | Paducah 270.898.3637 | Hazard 606.487.0511







ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

TONY HATTON  
COMMISSIONER

100 SOWER BOULEVARD, STE. 104  
FRANKFORT, KENTUCKY 40601

Thursday, May 20, 2021

**Lab Sample Number:** AS01640

**To:** Division of Water  
300 Sower Blvd  
Frankfort, KY 40601  
ATTN: Sarah Gaddis

**County:** Hardin

**Collected By:** Sara Stewart

**Delivered By:** Sara Stewart

**Received By:** Gerry Morford

**Sample Matrix:** WATER

**Sample Description:** Airview WWTP Outfall 001

**Sample ID:** Outfall 001

**Station/Project ID:**

**Re:** Airview WWTP  
AI #1643

**Program Code:** A02

**AKGWA:**

**Facility:**

**Date:** 05/07/2021 **Time:** 12:10

**Date:** 05/07/2021 **Time:** 14:17

**Date:** 05/07/2021 **Time:** 14:17

**Collection Method:** Grab

**Sample Type:** Field Sample

**Container ID:**

**Shipment Temp:** 6.5C

**REPORT OF ANALYSIS**

LAB ACODE	CAS NUM	CONSTITUENTS	RESULT	UNIT	LOQ	LOD	FLAG
<i>TESTCODE</i> 2040		<i>BY: SM20 5210 B</i>	<i>ON: 5/7/2021 12:50:00 PM</i>				
2040		CBOD-5	5.38	mg/L	2.00		
<i>TESTCODE</i> 1320		<i>BY: SM20 2540 D</i>	<i>ON: 5/12/2021 10:13:00 AM</i>				
1320		Solids, Total Suspended	8.50	mg/L	3.00	1.50	
<i>TESTCODE</i> 2000		<i>BY: EPA 350.1 r2</i>	<i>ON: 5/18/2021 12:22:00 PM</i>				
2000	7664-41-7	Ammonia (as N)	0.229	mg/L	0.0500	0.0250	

**Container Preservation Status at Sample Login**

@PG-ICE-1	Plastic or glass, ice as pres; #1	Unpreserved (checked by pH strip)
@PG-SO4-1	Plastic or glass; sulfuric acid pres; #1	Preserved < pH 2 (checked by pH strip)

**Case Narrative**

This report has been prepared and reviewed by personnel within the Department for Environmental Protection Laboratory (DEPLAB) and has been approved for release.

Michael Goss, Laboratory Technical Director

Report Format: DESFinal-Full

**Sample Number:** AS01640

KentuckyUnbridledSpirit.com



Report Version 1

Page 1 of 1

An Equal Opportunity Employer M/F/D

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
300 SOWER BLVD  
FRANKFORT, KY, 40601

October 13, 2022

Brocklyn Utilities LLC  
Brocklyn Utilities LLC WWTP  
Hager Dr  
Richmond, Kentucky 40475

RE: Brocklyn Utilities LLC WWTP -- 2809  
Permit No.: KY0081299  
Madison County, Kentucky  
Activity ID: CIN20220001

Dear Brocklyn Utilities LLC:

Attached for your information and records is a copy of the Compliance Evaluation Inspection performed at Brocklyn Utilities LLC WWTP on February 1, 2022.

At the time of the inspection, the MLSS had a good roll, color, and odor, clarifier was operating properly and the effluent was clean and clear. The aging plant is showing some rust spots and deterioration. The facility is using tablets for chlorination and de-chlorination, which were in place. The lagoon is no longer in service, and contact tank was installed for chlorination. Maintenance log was onsite and available for review.

If you have any questions or comments concerning this inspection, please contact the Frankfort Regional Office at: (502) 564-3358.

Sincerely,

A handwritten signature in black ink that reads "John Hanks".

John Hanks  
Environmental Inspector  
Frankfort Regional Office  
Division of Water

Enclosure:





**Andy Beshear**  
GOVERNOR

**ENERGY AND ENVIRONMENT CABINET**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

PADUCAH REGIONAL OFFICE  
130 EAGLE NEST DR  
PADUCAH, KY, 42003-9435

**Rebecca W. Goodman**  
SECRETARY

**Anthony R. Hatton**  
COMMISSIONER

April 6, 2023

Bluegrass Water Utility Operating Company LLC  
Great Oaks WWTP  
Creekside Dr  
Paducah, Kentucky 42001

RE: Great Oaks WWTP -- 3041  
Permit No.: KY0080845  
McCracken County, Kentucky  
Activity ID: CIN20230001

Dear Bluegrass Water Utility Operating Company LLC:

Attached for your information and records is a copy of the WW CEI-Minor Non-Mun performed at Great Oaks WWTP on March 6, 2023.

Please review this inspection report carefully and take note of any comments and address all concerns identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, reading "Zach Campbell", enclosed in a rectangular box with a horizontal line underneath.

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
300 SOWER BLVD  
FRANKFORT, KY, 40601

July 8, 2021

Mr. Michael Dick  
Herrington Haven Subd  
Herrington Haven Rd  
Lancaster, Kentucky 40444

RE: Herrington Haven Subd -- 1469  
Permit No.: KY0053431  
Garrard County, Kentucky  
Activity ID: CIN20210001

Dear Mr. Dick:

Attached for your information and records is a copy of the wastewater compliance inspection performed at Herrington Haven Subd on April 13, 2021.

Please review the enclosed inspection report.

If you have any questions or comments concerning this inspection, please contact the Frankfort Regional Office at: (502) 330-6413.

Sincerely,

---

*Deborah E. Singleton*

---



ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
300 SOWER BLVD  
FRANKFORT, KY, 40601

November 28, 2022

Jacob Freeman  
Herrington Haven Subd  
Herrington Haven Rd  
Lancaster, Kentucky 40444

RE: Herrington Haven Subd -- 1469  
Permit No.: KY0053431  
Garrard County, Kentucky  
Activity ID: CIN20220001

Dear Mr. Freeman:

Attached for your information and records is a copy of the wastewater compliance inspection performed at Herrington Haven Subd on July 28, 2022.

Please review the enclosed inspection report.

If you have any questions or comments concerning this inspection, please contact the Frankfort Regional Office at: (502) 564-3358.

Sincerely,

*Deborah E. Singleton*



MATTHEW G. BEVIN  
GOVERNOR

CHARLES G. SNAVELY  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42003

November 21, 2019

Bluegrass Water Utility Operating Company LLC  
Great Oaks WWTP  
500 Northwest Plaza Drive  
St. Ann, MO 63074

RE: Great Oaks WWTP -- 3041  
Permit No.: KY0080845  
McCracken County, Kentucky  
Activity ID: CIN20190003

Dear Bluegrass Water Utility Operating Company LLC:

Attached for your information and records is a copy of the WW CEI-Minor Non-Mun performed at Great Oaks WWTP on November 12, 2019.

Please review this inspection report carefully and take note of any comments and address all concerns identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,



---





ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42003

October 5, 2020

Bluegrass Water Utility Operating Company LLC  
Great Oaks WWTP  
Creekside Dr  
Paducah, Kentucky 42001

RE: Great Oaks WWTP -- 3041  
Permit No.: KY0080845  
McCracken County, Kentucky  
Activity ID: CIN20200001

Dear Bluegrass Water Utility Operating Company LLC:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Great Oaks WWTP on September 4, 2020.

Please review this inspection report carefully and take note of any comments and address all concerns identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Zach Carrell", written over a horizontal line.

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42003

July 15, 2021

Bluegrass Water Utility Operating Company LLC  
Timberland Subdivision WWTP  
Timberland Dr  
Heath, Kentucky 42086

RE: Timberland Subdivision WWTP -- 3070  
Permit No.: KY0083755  
McCracken County, Kentucky  
Activity ID: CIN20210001

Dear Bluegrass Water Utility Operating Company LLC:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Timberland Subdivision WWTP on June 4, 2021.

Please review this inspection report carefully and take note of any comments and address all concerns identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Zach Carrell", written over a horizontal line.



ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42001

November 4, 2022

Mr. Todd Teas  
Bluegrass Water Utility Operating Company LLC  
Golden Acres WWTP  
Golden Acres Loop  
Sharpe, Kentucky 42025

RE: Golden Acres WWTP -- 2935  
Permit No.: KY0044164  
Marshall County, Kentucky  
Activity ID: CIN20220001

Dear Mr. Teas:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Golden Acres WWTP on October 12, 2022. Please review this inspection report carefully and take note of any comments. No violations were observed at the time of this inspection.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony R. Hatton", positioned above a horizontal line.



ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42003

December 8, 2021

Bluegrass Water Utility Operating Company LLC  
Great Oaks WWTP  
Creekside Dr  
Paducah, Kentucky 42001

RE: Great Oaks WWTP -- 3041  
Permit No.: KY0080845  
McCracken County, Kentucky  
Activity ID: CIN20210001

Dear Bluegrass Water Utility Operating Company LLC:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Great Oaks WWTP on November 2, 2021.

Please review this inspection report carefully and take note of any comments and address all concerns identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Zach Carabell", written over a horizontal line.





ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42001

December 10, 2020

Mr. Todd Teas.  
Golden Acres WWTP  
Golden Acres Loop  
Sharpe, Kentucky 42025

RE: Golden Acres WWTP -- 2935  
Permit No.: KY0044164  
Marshall County, Kentucky  
Activity ID: CIN20200002

Dear Mr. Teas:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Golden Acres WWTP on November 4, 2020. Please review this inspection report carefully, take note of any comments and address all deficiencies identified. A follow up inspection may be conducted to evaluate remedial measures.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "James York", positioned above a horizontal line.

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH, KY, 42001

December 3, 2021

Mr. Todd Teas  
Bluegrass Water Utility Operating Company LLC  
Golden Acres WWTP  
Golden Acres Loop  
Sharpe, Kentucky 42025

RE: Golden Acres WWTP -- 2935  
Permit No.: KY0044164  
Marshall County, Kentucky  
Activity ID: CIN20210001

Dear Mr. Teas:

Attached for your information and records is a copy of the WW Routine-Min Nmun performed at Golden Acres WWTP on November 9, 2021. Please review this inspection report carefully and take note of any comments. No violations were observed at the time of this inspection.

If you have any questions or comments concerning this inspection, please contact the Paducah Regional Office at: (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony R. Hatton", written over a horizontal line.



ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**  
DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH KY 42003-9435

ANTHONY R. HATTON  
COMMISSIONER

February 28, 2020

Certified No. 7014 0510 0002 3570 9956  
Return Receipt Requested

Josiah Cox  
500 Northwest Plaza Drive, Suite 500  
Saint Ann, MO 63074

Re: Notice of Violation  
AI ID: 2935  
AI Name: Golden Acres WWTP  
Activity ID: ENV20200001  
Permit No. KY0044164  
Marshall County, KY

Dear Mr. Cox:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 270-898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Jessie York".

---

Jessie York,  
Environmental Scientist  
Division of Water

Enclosure: Inspection Report, Notice of Violation

**COMMONWEALTH OF KENTUCKY**  
**ENERGY AND ENVIRONMENT CABINET**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**  
**Division of Water**

**NOTICE OF VIOLATION**

**To:** Josiah Cox  
500 Northwest Plaza Drive, Suite 500  
Saint Ann, MO 63074

**AI Name:** Golden Acres WWTP      **AI ID:** 2935      **Activity ID:** ENV20200001  
**Discovery ID:** CIN20200001      **County:** Marshall  
**Enforcement Case ID:**  
**Date(s) Violation(s) Observed:** 02/11/2020

This is to advise that you are in violation of the provisions cited below:

**1 Violation Description for Subject Item AIOO0000002935():**

Any person required to prepare and implement a Groundwater Protection Plan (GPP) pursuant to 401 KAR 5:037 shall prepare and implement a site-specific or generic GPP upon commencement of the regulated activity. [401 KAR 5:037]

**Description of Non Compliance:**

A GPP has not been developed.

**The remedial measure(s), and date(s) to be completed by are as follows:**

The permittee/responsible party shall develop and implement a GPP as required. A written copy of the GPP must be maintained onsite. Within thirty (30) days of the receipt of this notice, the permittee shall develop and implement a Groundwater Protection Plan and submit to the undersigned. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:037]

**2 Violation Description for Subject Item AIOO0000002935():**

The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 C.F.R. 122.41(1)(6)]

**Description of Non Compliance:**

The facility has failed to report spills, bypasses and/or non-compliance as required by 401 KAR 5:065 Section 2(1). This treatment plant is regularly inundated with water during heavy rain events. The high water mark indicates that water was recently 2.5' - 3' above the top of the package plant. Since the plant cannot operate properly under these conditions, all water discharges through outfall 001 either partially or untreated during these events.

**The remedial measure(s), and date(s) to be completed by are as follows:**

The permittee must report spills, bypasses and non-compliance as required by 401 KAR 5:065 Section 2(1). Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Any permit non-compliance shall constitute a violation of the Clean Water Act and KRS 224, among which shall be the following remedies: Enforcement action, permit revocation, revocation and reissuance, or modification; or denial of permit renewal application. Failure to comply with the remedial measures or repeated violations of this



requirement may subject you and or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

**3 Violation Description for Subject Item AIOO0000002935():**

If a spill or release of pollutants or contaminants, bypass, upset, or other event of non-compliance occurs that may present an imminent or substantial danger to the environment or public health or welfare, the permittee shall immediately notify the Division of Water in Frankfort at (502) 564-3410 or the appropriate regional field office of the Division of Water; and, if a report required by this subsection is made during other than normal business hours, it shall be made through the twenty-four (24) hour environmental emergency telephone number at (800) 928-2380. [401 KAR 5:065 Section 3(5)]

**Description of Non Compliance:**

The permittee has failed to immediately report a spill or release of pollutants or contaminants, bypass, upset, or other event of non-compliance that may present an imminent or substantial danger to the environment or the public health or welfare as required by 401 KAR 5:065 Section 3(5). This treatment plant is regularly inundated with water during heavy rain events. The high water mark indicates that water was recently 2.5' - 3' above the top of the package plant. Since the plant cannot operate properly under these conditions, all water discharges through outfall 001 either partially or untreated during these events.

**The remedial measure(s), and date(s) to be completed by are as follows:**

The permittee must immediately report any spill or release of pollutants or contaminants, bypass, upset, or other event of non-compliance which may present an imminent or substantial danger to the environment or public health or welfare as required by 401 KAR 5:065 Section 3(5). Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Any permit non-compliance shall constitute a violation of the Clean Water Act and KRS 224, among which shall be the following remedies: Enforcement action, permit revocation, revocation and reissuance, or modification; or denial of permit renewal application. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 3(5)]

**4 Violation Description for Subject Item AIOO0000002935():**

Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision 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)] as in [40 CFR 122.41(e)]

**Description of Non Compliance:**

The facility is not being properly operated and maintained as required. This facility regularly experiences treatment bypasses during heavy rain events.

**The remedial measure(s), and date(s) to be completed by are as follows:**

The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

**5 Violation Description for Subject Item AIOO0000002935():**

All wastewater treatment plants shall have a disinfection process which meets the following requirements: An ultraviolet disinfection system designed to treat the anticipated peak hourly flow; a chlorination system with a flow or demand proportional feed system. The chlorine contact tank shall have a minimum detention time of thirty (30) minutes based on the average flow, or fifteen (15) minutes based on the peak hourly flow, whichever requires the larger tank size. Wastewater treatment plants shall also have a

dechlorination system with a flow or demand proportional feed system if necessary to meet the effluent limits; or a chlorination system with a manually controlled feed system and a flow equalization basin designed to eliminate the diurnal flow variations. Tablet type chlorination equipment shall not be used in an intermediate or large WWTP. [401 KAR 5:005 Section 11]

**Description of Non Compliance:**

January 2018 - December 2020 DMRs were reviewed. Multiple E. coli violations were reported during that period.

**The remedial measure(s), and date(s) to be completed by are as follows:**

The permittee must immediately maintain and operate the disinfection unit to allow for compliance with permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:005 Section 11]

**6 Violation Description for Subject Item AIOO000002935():**

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and KRS 224 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [401 KAR 5:065 Section 2] as in [40 C.F.R. 122.41(a)]

**Description of Non Compliance:**

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

**The remedial measure(s), and date(s) to be completed by are as follows:**

Comply with all conditions of the KPDES permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2]


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Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

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If you have questions or need further information, write or call the undersigned:

Division of Water  
Paducah Regional Office  
130 Eagle Nest Dr  
Paducah, KY 42001  
270-898-8468 (8:00 AM – 4:30 PM)  
Jessie York, Environmental Scientist

Issued By:   
Jessie York, Environmental Scientist  
Date: February 28, 2020



Issued By: Shannon McLeary  
Shannon McLeary, Environmental Control Supervisor  
Date: February 28, 2020

How Delivered: Certified Mail  
Certified/Registered # 7014 0510 0002 3570 9956

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

DIVISION OF WATER  
130 EAGLE NEST DR  
PADUCAH KY 42003-9435

ANTHONY R. HATTON  
COMMISSIONER

January 12, 2021

Josiah Cox  
500 Northwest Plaza Drive, Suite 500  
Saint Ann, MO 63074

Re: Notice of Violation  
AI ID: 2935  
AI Name: Golden Acres WWTP  
Activity ID: ENV20200001  
Permit No. KY0044164  
Marshall County, KY

Dear Mr. Cox:

On March 26, 2020, the Division of Water issued Golden Acres WWTP a Notice of Violation (NOV). The Paducah Regional Office appreciates Golden Acres WWTP's efforts to address the compliance issues raised by the NOV. The actions taken by Golden Acres WWTP in response to the NOV are considered sufficient at this time with regard to the violations listed in the NOV. The Cabinet reserves its rights under KRS Chapter 224 and its administrative regulations to undertake such enforcement action hereafter as it deems appropriate, which may include consideration of the compliance issues addressed by the NOV. If you have any questions, please feel free to contact me at (270) 898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony R. Hatton".



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 #:** CIN20200001  
**Incident IDs:**  
**Inspection Start Date:** September 4, 2020 **Time:** 10:34 AM **End Date:** September 4, 2020 **Time:** 10:34 AM  
**Site/Permit ID:** KY0080845

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

**General Comments:** This inspection was conducted to determine compliance with KPDES permit KY0080845. Since the last inspection, many improvements have been made to the plant. Holes and other corroded areas have been repaired and the plant received a new coat of paint as preventative maintenance. The outfall was observed and appeared free of solids. No violations were observed during this inspection.  
**Overall Compliance Status:** No Violations Observed

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**Investigation Results**

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**SI:** AIOO3041

**SI Description:**

**Inspector Comment:**

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

**Compliance Status:** C-No Violations observed

**Comment:** Facility holds proper KY00 permit.

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**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:** Terry Merritt is the certified operator for this plant. Todd Teas and Zach Roach are also certified and share responsibility in maintaining this site.

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**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:** Terry Merritt is the certified operator for this plant. Todd Teas and Zach Roach are also certified and share responsibility in maintaining this site.

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**Requirement:** Is the facility being properly operated and maintained as specified in regulation 5:065? This includes: (a) proper operation

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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:** Repairs and paint were added as preventative maintenance to help ensure the WWTP runs smoothly.

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**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.

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

**Compliance Status:** C-No Violations observed

**Comment:** No violations observed.

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**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.

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**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 were reported and no evidence of such was observed during this inspection.

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**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.

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**Documentation**

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

**Inspector:**

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