



851 Aviation Parkway
Smyrna, TN 37167

**Tennessee Wastewater Systems, Inc.
Docket 15-00025
January 2020 Report Overview**

Systems subject to Notice of Violations and other Corrective Orders:

Summit View – Docket 14-00136 – TDEC has reinstated the construction plans for the site.

River Road* (NOV) – TWSI is awaiting a signed easement for the land occupied by the sewer system. This is the final requirement TDEC had for resolution of the NOV.

Hidden Springs Resort (Commissioner's Order) – Awaiting plans approval from TDEC. A petition has been filed and remains pending with the Commission seeking approval to spend funds from TWSI's escrow and reserve accounts for this project.

Cross Plains* (NOV) – TDEC issued a NOV for this facility on November 26, 2019. TWSI's response is included in this report and outlines the steps being taken to address the concerns raised by TDEC.

* Neither system is not included in the KPI Report because there is no discharge from the facility.

Jeff Riden

From: HAWKMS Agent <agent@hawkms.com>
Sent: Wednesday, January 1, 2020 8:01 AM
To: Jeff Riden; Matthew Nicks
Cc: Bob Pickney
Subject: TPUC KPI Compliance Report for 1/1/2020 8:00:04 AM

TPUC Flow KPI Report for 12/31/2019

Jeramy Stewart	Permitted	Expected	Actual	% of Expected	AvgFlow	% o
Hidden Springs RSF	30750	19425	1315	0.07	11206.40	
Summit View RSF	8000	5775	8670	1.50	4621.93	

Jeff Ridsen

From: Britton Dotson <Britton.Dotson@tn.gov>
Sent: Tuesday, December 10, 2019 11:44 AM
To: Jeff Ridsen; Brad Harris
Cc: Brian Ham; Stephanie Durman; Patrick Parker; Jordan Fey; Patsy Fulton; Matthew Nicks
Subject: RE: Cross Plains Lagoon

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Jeff, thank you for your response. Regarding the core testing, certainly that is relevant information; however, we have made multiple observations of rock outcropping in the base and on the sides of the excavation along with some soil profile dropouts. The evident rock outcrops may preclude the need to core test. If you establish a contractor we would appreciate an opportunity share our perspectives with them prior to their conduct of the work.

Thanks, Britton

From: Jeff Ridsen [mailto:Jeff.Ridsen@Adenus.com]
Sent: Tuesday, December 10, 2019 11:32 AM
To: Brad Harris
Cc: Britton Dotson; Brian Ham; Stephanie Durman; Patrick Parker; Jordan Fey; Patsy Fulton; Matthew Nicks
Subject: [EXTERNAL] RE: Cross Plains Lagoon

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Brad –

The utility tells me they are working on the pump and haul and anticipate having a plan in place shortly. As you're no doubt aware, TDEC inspected the lagoon in 2017 specifically to determine compliance with the SOP before issuing the current permit and determined the facility to be in compliance, including the observation that it was retaining water. This along with the assertions of those involved with the construction of the lagoon that a clay liner was installed run counter to the observations of department personnel at the November inspection. Given the conflicting positions/statements on the state of the facility, the utility believes it best take the extra step to determine for everyone's peace of mind whether a liner is present. To this end, TWSI is contracting with a company to conduct core sampling within the lagoon (with the scope possibly being expanded to address other requests made by the Department in the NOV). Once the results of the core testing are known, the utility will determine the next course of action regarding the facility (either likely stay with the lagoon if the liner is present or look at alternatives for new treatment if it is not).

In response to the question about number of customers, currently there are 19 residential and 3 commercial customers connected to the system. In 2014 you sent a letter a Charles Hyatt regarding the soils area associated with the facility and noted that White House Utility District water records showed a flow to the plant of 1700 gpd. At that time in 2014, there were 19 residential and 2 commercial customers connected to the system, so there has been one additional connection in those 5 years. Point being, there is very minimal flow to the system, certainly nowhere near the contemplated design flow. It is the utility's understanding that the White House Utility District serves all the residences and commercial properties in the vicinity of the treatment facility, however the utility, I'm told, is working on plans to verify this.

In the meantime, the utility will keep you and the Department apprised of developments with the core testing, pump and haul plans, etc... as information is known.

If you have any additional questions, please feel free to direct them to Matthew Nicks – matthew.nicks@adenus.com.

Thanks,

Jeff

From: Brad Harris <Brad.Harris@tn.gov>
Sent: Tuesday, December 10, 2019 9:10 AM
To: Jeff Ridsen <Jeff.Ridsen@Adenus.com>
Cc: Britton Dotson <Britton.Dotson@tn.gov>; Brian Ham <Brian.Ham@tn.gov>; Stephanie Durman <Stephanie.Durman@tn.gov>; Patrick Parker <Patrick.Parker@tn.gov>; Jordan Fey <Jordan.Fey@tn.gov>; Patsy Fulton <Patsy.Fulton@tn.gov>
Subject: RE: Cross Plains Lagoon

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Good Morning Jeff,

I am following up on our Notice of Violation regarding the Cross Plains Treatment Facility (SOP-05057) dated November 26. In this NOV we requested that TWSI immediately discontinue discharging into this feature until a suitable form of treatment can be established. Have you been successful in accomplishing this request? Are you able to pump and haul the effluent to a different system?

Regards,



Department of
**Environment &
Conservation**

Brad C Harris P.E.

Division of Water Resources / William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor / Nashville, Tennessee 37243
Direct (615) 532-5367 / Brad.Harris@tn.gov

From: Brad Harris
Sent: Tuesday, November 26, 2019 10:38 AM
To: Jeff Ridsen (Jeff.Ridsen@adenus.com)
Cc: Britton Dotson; Brian Ham; Stephanie Durman; Patrick Parker; Jordan Fey; Patsy Fulton
Subject: Cross Plains Lagoon

Jeff,

Please see the attached NOV for the Cross Plains facility. Feel free to contact any of us on the email should you have questions regarding the content. A paper copy is being sent certified today.

Regards,



Department of
**Environment &
Conservation**

Brad C Harris P.E.

Division of Water Resources / William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor / Nashville, Tennessee 37243
Direct (615) 532-5367 / Brad.Harris@tn.gov

Jeff Riden

From: Jeff Riden
Sent: Wednesday, December 11, 2019 8:56 AM
To: George Garden
Subject: Hidden Springs Plans

George –

When we last spoke about the plans at the TDEC SOP presentation around Oct 22, you said you would be approving the plans and they would be released that day or shortly thereafter. Can you provide me with an update as to where things stand with approval of the plans? We've missed our window to start any substantial construction work until Spring, but I also need to get the funding approved by TPUC (approval to utilize utility funds) and having approved plans will help greatly.

Thanks,

Jeff



Jeff Riden

CEO

Adenus Group, LLC | 849 Aviation Pkwy, Smyrna, TN 37167

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851 Aviation Parkway
Smyrna, TN 37167

December 23, 2019

Brad Harris
Tennessee Department of Environment and Conservation
Division of Water Resources
Nashville Environmental Field Office
711 R.S. Gass Blvd.
Nashville, TN 37216

VIA EMAIL: Brad.Harris@tn.gov

Re: Notice of Violation
Cross Plains Treatment Facility
UIC Number ROB 0000023 and SOP-05057

Mr. Harris:

This letter is in response to the Notice of Violation (NOV) issued to Tennessee Wastewater Systems, Inc. ("TWSI") on November 26, 2019 related to the Cross Plains Treatment Facility in Robertson County, Tennessee. On December 10, 2019 you sent a follow up email requesting an update as to any action taken by TWSI related to the requested corrective actions listed in the NOV. TWSI responded to that email with a brief update and now supplements that update with the following:

While TWSI disputes the alleged violations and characterization of the treatment facility as stated in the NOV, the utility lacks information from which to form an informed opinion about the actual construction of the facility. It appears from discrepancies within the Department's own records it too lacks certain necessary information, unable to be obtained from simple "observations" or Google Earth photos, to accurately assess the facility as well.

As strongly as Department personnel believe no liner exists, there are those with the utility that were involved in the construction of the facility that attest to the presence of a liner. Further, TDRC previously inspected the facility in 2014 and 2017, the last time specifically to determine compliance with the SOP, and both inspections, as detailed in the respective inspection reports, found the system to be in compliance and holding water. These results of these inspections are contrary to the most recent inspection of the facility on November 26, even though no work has been done or additional connections made to the facility in the intervening two years.

For the purpose of determining the condition of the lagoon – and as mentioned in TWSI's response to your December 10th email - TWSI has finalized plans with a third party contractor to perform core sampling within the lagoon to determine the presence of a clay liner. The contractor will also conduct a domestic water supply well study within a 2 mile radius of the lagoon. TWSI anticipates this work to be complete and a report provided to it within the next 4-6 weeks. TWSI will provide a copy of the report to the Department upon receipt. If the results of these studies warrant, the contractor will also perform the requested dye trace study.



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In addition to the third party studies, TWSI will be submitting plans to modify the facility temporarily to allow for the pumping of the effluent from the residences and businesses connected to the system. It is anticipated these plans along with any additional documentation to modify the SOP, will be submitted to the Department within 60 days. TWSI will also begin soils work to identify possible areas for additional drip disposal.

Once the studies are complete and results analyzed, TWSI will address any long term adjustments to the facility, should they be necessary, to continue providing service to the Cross Plains area.

If you have any further questions or concerns, please contact Matthew Nicks at matthew.nicks@adenus.com or 615-220-7700.

Regards,



Jeff Riden
General Counsel

Cc: Billy Dranes – billy.dranes@adenus.com
Matthew Nicks – matthew.nicks@adenus.com
Marshall Fall – marshall.fall@adenus.com
Britton Dotson – britton.dotson@tn.gov
Stephanie Durman – stephanie.durman@tn.gov
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George Garden – george.garden@tn.gov
Patsy Fulton – patsy.fulton@tn.gov