

TENNESSEE REGULATORY AUTHORITY



2011 AUG -5 PM 3:31

460 James Robertson Parkway
Nashville, Tennessee 37243-0505

TRA DOCKET ROOM

Date: August 5, 2011

TO: Docket File

From: Patsy Fulton, Utilities Division

RE: Docket No. 10-00145 Petition Of Aqua Green Utility Inc. To Amend Its CCN And Expand Its Service Area To Include A Portion Of Jefferson County In Tennessee, Known As Stonebridge On Douglas Lake

Copies of the attached letters concerning (Aqua Green Utility) The Peninsula, Jefferson County, Tennessee in reference to (Aqua Green Utility) Stonebridge, Jefferson County (SOP 10042) were received by TRA Staff via e-mail from TDEC on July 20, 2011.

Patsy Fulton - Peninsula

From: Woody Smith
To: Fulton, Patsy; Odette, Robert
Date: 7/20/2011 7:52 AM
Subject: Peninsula
CC: Farokh Kamel; Mann, Jason
Attachments: Peninsula.pdf

Here is our trip report on Peninsula. Page two is all photos. I have placed this on WATERLOG.

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

OFFICE CORRESPONDENCE

DATE: July 20, 2011

TO: WPC Files

FROM: Woody Smith

RE: Aqua Green Utility – Peninsula
SOP 09-022
Jefferson County

On July 14, 2011, I went with Farokh Kamel and met Dart Kendall of Aqua Green at the Peninsula site. We confirmed that the treatment system was built and in place. The attached photographs illustrate the large tank containing treatment pods, an access hatch, splitter apparatus, control panel, ultraviolet lights, and a box leading to the drip field. The tank is about 50,000 gallons. Only two houses have been built so far, and they are not continuously or heavily occupied. Therefore, there haven't been discharges to the drip field, the wastewater is just continuously recirculated.

The ultraviolet units are kept clean by wipers powered by a garage door opener. The control panel and software is designed by Aqua Green and owned by that company. The logical instructions for the system were created by Dart Kendall, then coded by a computer programmer. Responses to various inputs such as high level signals are coded to allow an appropriate response. We were told that prior to pumping to the drip field the system will direct the ultraviolet to be wiped and disc filter backwashed and other steps taken to allow the highest quality water to be pumped. This protects the drip lines from fouling. We were told the collection system is installed as well.

