



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

August 19, 2013

RE: COLUMBIANA COUNTY  
PARADISE LAKE PARK CAMPGROUND  
TNC WATER SYSTEM  
PWS ID # OH1557512  
STU ID # 1560504 (STARLIGHT WELL)

Mr. Mike Bachman  
Paradise Lake Park Campground  
6940 Rochester Road  
East Rochester OH 44625

**Subject: Corrective Actions Return to Compliance**

Dear Mr. Bachman:

On November 15, 2012, the Ohio Environmental Protection Agency (Ohio EPA), Division of Drinking and Ground Waters (DDAGW), issued a corrective actions letter to address Fecal Coliform found in samples collected from the Starlight well on September 14, 2012 and September 20, 2012. This letter requested that you prepare and submit a Corrective Action Plan to Ohio EPA within 30 days of the letter date, or by December 15, 2012.

In response to our receipt of your Corrective Action Plan on December 11, 2012, we sent you a letter dated December 21, 2012. We accepted your Plan and summarized the corrective actions you agreed to implement. Your Plan included actions to be completed by March 15, 2013 and other actions to be completed by April 15, 2013.

In our letter dated May 23, 2013, we acknowledged that you completed the work that was required by the respective deadline dates. The work included 1) providing positive drainage around the well; 2) inspecting the integrity of the in-ground grey water (shower and dish water) for each campsite within 50 feet of the well; 3) performing the "standard procedure for opening the park" which included chlorinating all the wells and running chlorinated well through the waterlines. (You also hired Davidson Well Drillers to thoroughly chlorinate the Starlight well); and collecting two well samples from the Starlight well that were determined total coliform negative. Samples collected from the Starlight well on April 17, 2013 and May 8, 2013 were both determined Total Coliform negative.

The Corrective Action Plan also required that you sample the Starlight well monthly for coliforms, using a "Q-Tray" analysis. A special purpose sample from the Starlight Well was collected on June 24, 2013 and determined to contain both total coliform and E-Coli. At that time, the decision was made to abandon the well.

The Starlight well was sealed by Davidson Well Drillers on August 9, 2013. When the top of the casing was removed, it was discovered that there are cuts in the casing as shown in these photos:



Cuts in well casing within red circle



Top of Well

Location of  
cuts in casing

The cause of the Fecal Coliform and E-Coli issues was most likely the inadvertent cuts made to the casing of the Starlight Well when a hole in the casing was repaired in the spring of 2012.

**Your system complied with the corrective actions requirements of the ground water rule, and has returned to compliance.**

Please continue to collect one ROUTINE sample from the distribution system for total coliform analyses each calendar quarter when the campground is open. Additionally, please continue to collect a SPECIAL PURPOSE sample from each of the remaining wells (H Well, C Well, D Well and Concession Well) for total coliform analyses each calendar quarter when the campground is open.

If you have any questions regarding this letter, or any other matter involving your water system, please contact me at (330) 963-1237 or via email at [pam.korenewych@epa.ohio.gov](mailto:pam.korenewych@epa.ohio.gov).

Sincerely,



Pamela L Korenewych  
Environmental Specialist  
Division of Drinking and Ground Waters

PLK/ams

cc: Kim Eppers, Ohio EPA, NEDO, DDAGW  
Columbiana County Health Department

ec: Stivo Di Franco, Environmental Supervisor, Ohio EPA, NEDO, DDAGW  
Kathy Metropulos, Environmental Specialist, Ohio EPA, NEDO, DDAGW