

**CITY OF ST. PETERSBURG  
WATER RESOURCES DEPARTMENT**

**Notice of Low Chlorine Residual**

**ATTENTION:**

- *Michelle Holton – Department of Environmental Protection (Voice) 813-470-5900 or (Fax) 813-470-5995 or (email) [Michelle.Holton@dep.state.fl.us](mailto:Michelle.Holton@dep.state.fl.us) and [SWD\\_DW@dep.state.fl.us](mailto:SWD_DW@dep.state.fl.us)*
- *Roger Evans – FDEP UIC office (voice) 813-470-5867 (email) [Roger.Evans@dep.state.fl.us](mailto:Roger.Evans@dep.state.fl.us)*

Water Reclamation Facility  
Facility ID No.:

**NE FLA128856**

**VIOLATION summary and other parameters:**

<b>Violation Date and time, duration:</b>	<b>9/11/17 – 1635 – 20 hours</b>	
<b>Fecal Coliform on day of event</b>	<b>N/A</b>	<b>Colonies/100 ml</b>
<b>Maximum Turbidity during event</b>	<b>1.09</b>	<b>NTU</b>
<b>Minimum Chlorine Residual during event:</b>	<b>0.0</b>	<b>mg/L</b>
<b>Total Suspended Solids – Grab on day of event</b>	<b>N/A</b>	<b>mg/L</b>
<b>Total Suspended Solids – Composite sample on day of event</b>	<b>N/A</b>	<b>Mg/L</b>
<b>Gallons of effluent with low total residual chlorine (TRC)</b>	<b>20.49</b>	<b>Million Gallons (MG)</b>
<b>Volume of effluent retreated</b>	<b>3.12</b>	<b>MG</b>
<b>Volume of low TRC water disposed down wells</b>	<b>15.50</b>	<b>MG</b>
<b>Volume of low TRC water going to reclaimed water system.</b>	<b>1.87</b>	<b>MG</b>
<b>Volume of reclaimed water used to flush tank before going to reuse</b>	<b>17.0 (approximate)</b>	<b>MG</b>

**Reported By:** Frank L. Niles      **Phone:** 727-892-5640

**Date and time emailed:** 9/13/17

**COMMENTS:**

Volume totals from above as follows:

15.5 (wells) + 1.87 (Reclaimed Tank) + 3.12 (Reject Tank) = 20.49 total low TRC effluent

The low TRC water that went to the reclaimed water system went to the reclaimed storage tank only and never left the facility via public access reuse. The tank was properly flushed once TRC returned to acceptable standards.

The Plant began producing low TRC effluent at 05:30 on 9/11/17 and pumping to Reject Storage Tank. The tank overflowed and then began pumping the low TRC water to deep well injection. To stop the overflow of water onto the ground, the common fill line was valved open to transfer the excess water to the RWS tank. This amounted to 1.87 MG of low TRC water being transferred to the RWS tank. Operator continued pumping to wells until TRC was restored to acceptable standards. Of the 20.49 MG of low TRC effluent, approximately 3.12 MG remained in the reject tank for retreatment at a later time.