

# Pepsi-Cola Newport News

## Production Process Water Supply



**Year:** 2007

**Start-Up Date:** 9/2007

**Client/Owner:** Pepsi-Cola Bottling

**Engineer:** DHT

**Location:** Newport News, VA, USA



**Application:** Bottled Water Production

**Scope of Work:** Complete supply of clean design single skid UF/RO system with pre and post chemical treatment system.

**Operation Data:** Feed water TDS: 262,  
Permeate TDS: 44,  
Permeate flow: 2 x 250 GPM,  
Recovery: 95%, 56 total UF and 16 RO membranes,  
Other: UF: 4/4, RO: 4/3/2, 3 stage, Feed Pressure = 45/119 psi, Trisep membranes, city water supply.

**Capacity:** 2 x 360,000 GPD single skid RO

**Project Summary:** Complete supply and site installation as well as supervision for the clean design of one (1) UF skid and one (1) BWRO skid having two (2) 250 GPM RO units which were complete with RO feed pumps, cleaning system, and a pre/post treatment disinfection UV system. The allotted space provided for the design and equipment installation was a challenge DHT overcame since the plant was kept on-line during the installation of the project.