

**Indian River County, Florida  
Department of Utility Services  
Board Memorandum**

**Date:** October 1, 2021

**To:** Jason E. Brown, County Administrator

**From:** Matthew Jordan, Interim Director of Utility Services

**Prepared By:** Terry Southard, Operations Manager

**Subject:** Finished Water Quality Audit Presentation from Kimley-Horn and Associates

**Background:**

Indian River County Department of Utility Services (IRCDUS) owns and operates two water treatment plants (WTPs): South County Reverse Osmosis (SCRO), located at 1550 9<sup>th</sup> Street SW, and North County Reverse Osmosis (NCRO), located at 7751 58<sup>th</sup> Avenue. Both of these facilities provide potable water to the consolidated distribution system, which includes remote storage and re-pump facilities that provide treated water to customers.

Over the years, IRCDUS has worked with various outside engineering firms to conduct water quality reviews. IRCDUS has consistently worked towards optimizing operations while enhancing the quality of finished water provided. Proactive measures have included design studies, construction of improvements, finished water quality reports, corrosion coupon testing studies and evaluations, flushing measures, and most recently, a Finished Water Quality Audit.

**Analysis:**

On February 18, 2021, Purchase Order 89687 was issue to Kimley-Horn and Associates (KHA) to evaluate the distribution system water quality.

As part of the review, KHA reviewed historical water system quality test results and coordinated with staff to collect available information regarding customer complaints and issues, lead and copper testing, disinfection byproducts (DBP) testing, and bacteriological and coliform testing within the service area.

KHA completed the evaluation and provided a Finished Water Quality Audit, which they submitted to staff in September 2021. Below are some key findings within the report's Executive Summary:

- IRCDUS has been and continues to remain compliant with the provisions of the Safe Drinking Water Act (SDWA), including the Lead and Copper Rule (LCR), a federal law that was promulgated to protect public health through minimizing lead (Pb) and copper (Cu) levels in drinking water.
- IRCDUS' compliance sampling for Pb is under the action level (AL), the upcoming trigger level (TL), and the Practical Quantitation Limit (PQL) for Pb.
- IRCDUS' compliance sampling for Cu is well under the AL for Cu.

- LCR sampling remains consistent with the previous year's results, and finished water is characterized as "non-corrosive" based on regulatory compliance.

Staff has invited representatives of KHA to discuss their water quality audit.

**Recommendation:**

No action required – for informational purposes only.

**Attachment:**

Finished Water Quality Audit Report