



## INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

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**Date:** March 12, 2019

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

**From:** Vincent Burke, P.E., Director of Utility Services

**Prepared By:** Eric Charest, Environmental Compliance Analyst  
Arjuna Weragoda, P.E., Capital Projects Manager

**Subject:** Point Source Facilities Allocations and Canals Reclassification, Tetra Tech Work Order No. 3

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### **DESCRIPTIONS AND CONDITIONS:**

Indian River County Department of Utility Services (IRCDUS) was formed when the unincorporated areas of Indian River County's water, wastewater, and solid waste utility services were consolidated under one department. IRCDUS now provides water and wastewater services to more than 50,000 direct accounts. The potable water system, which is the largest in the County, provides water to approximately 110,000 people and businesses in its service area. The water system includes two reverse osmosis water treatment plants with two disposal sites for the demineralization concentrate. IRCDUS's wastewater collection and treatment system covers a large geographical area that is comprised of five sewer service areas: North Regional, Sea Oaks, Central Regional (Gifford), West Regional and South Regional. The treated effluent is currently used as reclaimed for irrigation, discharged to the wetlands for further treatment or discharged to Rapid Infiltration Basins (RIBs). IRCDUS's three surface water disposal sites - Osprey Marsh, Spoonbill Marsh, and the West Regional Wetlands - have stringent Total Maximum Daily Load (TMDL) allocations. These point source allocations were incorporated into each facility's permit and is within the Central Indian River Lagoon (IRL) Basin Management Action Plan (BMAP). The Florida Department of Environmental Protection (FDEP) is in the process of reevaluating the Central IRL BMAP to create an update for the next steps in BMAP implementation. IRCDUS is interested in evaluating options to aggregate the point source facilities allocations to account for the large nutrient reductions occurring at these facilities and to allow for operational flexibility in meeting BMAP allocations.

### **ANALYSIS:**

To assist the County in this endeavor, Tetra Tech, as part of their 2018 Continuing Contract Agreement for Professional Services (CCNA), provided a scope of work. In order for IRCDUS to have the flexibility in meeting BMAP allocations, Tetra Tech proposed the following outline in Exhibit A under Work Order 3.

**Task 1 - Coordination Meeting with FDEP:** In this task Tetra Tech and County staff will discuss in detail IRCDUS' request to aggregate the wasteload allocations identified in the three-point source National Pollution Discharge Elimination System (NPDES) permits. Part of that discussion is to determine a path forward that may include reclassifying some of the drainage canals within the County and then aggregating the point source NPDES facility wasteload allocations.

**Task 2 - Waterbody Reclassification:** Depending on the outcome of Task 1, a portion, or ALL, of Task 2 will be completed.

**Task 3 - Aggregate Permit:** Depending on the outcome of Task 1, Task 2 (Waterbody Reclassification) may or may not be completed. But if the result of Task 1 is to have a portion, or ALL, of Task 2 completed, then Task 3 will only be completed once concurrence of waterbody reclassification has been received by the FDEP. If Task 1 completion receives concurrence from FDEP, then Task 3 can be completed without Task 2. In this scenario, Task 2 will not be performed or billed.

Therefore, fees to be paid under Tetra Tech's Work Order No. 3 is dependent on the results of each task (i.e., if Task 1 and 3 are successfully completed, then payment will only be made for those tasks). A detailed project cost of each task is outlined in Work Order No. 3. The total negotiated cost to perform the evaluation for the point source facilities allocations and canals reclassification in Tetra Tech's Work Order No. 3 is \$27,010.00.

**FUNDING:**

Funds for the due diligence investigation are derived from Other Professional Services account in the operating fund. Operating fund revenues are generated from water and sewer sales.

<b>Description</b>	<b>Account Number</b>	<b>Amount</b>
Other Professional Services	47123536-033190	\$27,010.00

**RECOMMENDATION:**

Staff recommends approval of Work Order No. 3 authorizing the mentioned professional services and requests the Board of County Commissioners to authorize the Chairman to execute Work Order No. 3 on their behalf for a total sum amount of \$27,010.00 to Tetra Tech.

**ATTACHMENT(s):**

1. Tetra Tech CCNA-2018 Work Order No.3: Point Source Facilities Allocations and Canals Reclassification (7 Pages)