

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

Date: September 29, 2023

To: Indian River County Board of County Commissioners

Through: John A. Titkanich, Jr., County Administrator
Sean C. Lieske, Director of Utility Services

From: Howard G. Richards, PE, Manager - Capital Projects

Prepared By: Michael C. Loveday, Wastewater Superintendent

Subject: Atkins North America, Inc. Work Order No.1 - West Regional Wastewater Treatment Facility Clarifiers 1 and 2 Rehabilitation

Descriptions and Conditions:

Indian River County Department of Utility Services (IRCDUS) owns and operates the West Regional Wastewater Treatment Facility (WRWWTF), which has a six (6) million gallons per day (MGD) annual average daily flow design capacity. The WRWWTF is an advanced activated sludge wastewater treatment facility that has undergone multiple expansions, with the current iteration being phase three.

After the last expansion in 2012, two (2) of the four (4) secondary clarifiers were not necessary to meet capacity requirements. As such, Clarifiers 1 and 2 were taken offline (but not decommissioned). Current and anticipated future growth in the west service area has brought about the need for additional secondary clarifier capacity at the WRWWTF. Accordingly, both Clarifiers 1 and 2 will need to be returned to operation.

Clarifiers 1 and 2 are now in need of rehabilitation due to the overall condition of the equipment. Since this treatment equipment is essential for effective operation of the facility and to meet capacity, IRCDUS desires to undertake the rehabilitation project of Clarifiers 1 and 2 to ensure continued reliable operation of the facility.

Analysis:

At the request of IRCDUS staff, Atkins North America, Inc. (Atkins) prepared the attached Work Order (WO) No. 1 pursuant to the Continuing Contract Agreement for Consulting Engineering Services dated May 2, 2023, to provide technical services for replacement of the mechanisms for Clarifiers 1 and 2, including engineering assistance, Request for Proposal (RFP) development, bidding support, and construction management services during construction (SDC). The estimated total engineering fee, including labor and expenses associated with WO No. 1 work, is not to exceed \$222,313.70.

Consent Item

Funding:

Expenses in the amount of \$222,313.70 for this project will be recorded in the operating capital account Utilities/WIP/WRWWTF Clarifier 1&2 Rehab, number 471-169000-23556. Since this is an operating capital project, the funds will come from fund balance. Operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities / WIP /WRWWTF Clarifier 1&2 Rehab	471-169000- 23556	\$222,313.70

Recommendation:

Staff recommends that the Board of County Commissioners approve Work Order No. 1 with Atkins North America, Inc. (Atkins) in the amount of \$222,313.70 to provide technical services for replacement of the mechanisms for Clarifiers 1 and 2 and authorize the Chair to execute the same. So long as there are no changes in the dollar amount under the work order and upon adequate completion of the work set forth in the work order, staff is directed to make final payment and release any retainage to Atkins, after review and approval by the Purchasing Manager and the County Attorney's Office.

Attachments:

Work Order #1 – West Regional Wastewater Treatment Facility Clarifier #1 and #2 Rehabilitation