



**INDIAN RIVER COUNTY, FLORIDA  
DEPARTMENT OF UTILITY SERVICES**

**Date:** August 1, 2018  
**To:** Jason E. Brown, County Administrator  
**From:** Vincent Burke, P.E., Director of Utility Services  
**Prepared By:** Arjuna Weragoda, P.E., Capital Projects Manager  
**Subject:** Blue Cypress Lake Water Quality Analysis

**DESCRIPTIONS AND CONDITIONS:**

On July 17, 2018, the Indian River County Board of County Commissioners (BCC) approved Ordinance No. 2018-016 authorizing a temporary moratorium of land-applied Class B Bio-solids for 180 days or until a comprehensive review of the impact on the County’s ecosystem has been completed.

As part of the ordinance and direction from BCC, staff reached out to Jones Edmunds and Associates, Inc. (JEA), as subject matter expects to assist staff in researching the issue.

**ANALYSIS:**

In order to move forward with the study expeditiously, staff requested JEA submit a proposal under the Continuing Engineering Services Contract Agreement for Professional Services dated April 17, 2018. JEA’s expertise in the subject matter is needed during the temporary moratorium to gather, validate, and assess the water quality associated with Blue Cypress Lake and its watershed, including the permitted use of land application of biosolids, to determine if anthropogenic influences are a significant causative factor in water quality trends. The scope is more specifically described in the attached Work Order No. 1. The total negotiated cost for the water quality study in Work Order No. 1 is a lump sum amount of \$48,490.00 separated into six (6) tasks.

Please note that a Purchase Order (PO #81168) in the amount of \$14,995.00 per the Continuing Engineering Services Contract Agreement for Professional Services dated April 17, 2018 was issued to JEA on July 27, 2018. In the essence of time, the subject purchase order covered three (3) tasks that are part of the overall scope but were carved out of the proposal so that JEA could begin their investigative work sooner rather than wait three weeks for the next regularly scheduled BCC meeting.

**FUNDING:**

Total funding for the study in the amount of \$63,485.00 will need to be covered within the storm water account, which is funded through the General Fund. The Budget Department under a separate item will bring forth a budget amendment to cover the sum amount of \$63,485.00.

Description	Account Number	Amount
Blue Cypress Lake Water Quality Study	111-28138-033190	\$48,490.00
PO Tasks 1-3 BCL Investigation	111-28138-033190	\$14,995.00
	<b>Total</b>	<b>\$63,485.00</b>

**RECOMMENDATION:**

Staff recommends approval of Work Order No. 1 authorizing the professional services and requests the Board of County Commissioners (BCC) to:

- Authorize the Chairman to execute Work Order No. 1 on their behalf for a lump sum amount of \$48,490.00 to Jones Edmunds and Associates, Inc. (JEA); and,
- Approve the total of \$63,485.00 to JEA to be funded from the stormwater account.

**ATTACHMENT(s):**

1. Work Order No. 1 and supporting documents (*5 Pages*)