

**Indian River County, Florida  
Solid Waste Disposal District  
Board Memorandum**

**Date:** November 7, 2019

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

**From:** Vincent Burke, PE, Director of Utility Services

**Prepared By:** Himanshu H. Mehta, PE, Managing Director, Solid Waste Disposal District

**Subject:** Amendment No. 1 to CCNA-2018 Work Order No 4 – Evaluation of Pilot Study of Using Evaporation Technology for Leachate Management

**Descriptions and Conditions:**

On February 19, 2019, the Solid Waste Disposal District (SWDD) Board approved CCNA-2018-Work Order No. 4 to Geosyntec Consultants, Inc. (Geosyntec) to provide Class I Landfill professional services for the Feasibility of Landfill Liquids Management Options, not to exceed the amount of \$30,989.00. On July 16, 2019, staff presented the Focused Feasibility Evaluation of Landfill Leachate and, based on recommendations from staff and Geosyntec, received approval from the SWDD Board to further evaluate Thermal Evaporation Technology as a potential solution for leachate treatment via a pilot study using the Heartland Concentrator™ provided by Heartland Water Technology, Inc (Heartland).

Staff requested and received Amendment No. 1 to Work Order No. 4 from Geosyntec to provide engineering services related to performing an independent evaluation of a pilot study as proposed by the Indian River Eco-District (IRED) and Heartland.

**Analysis:**

As part of the Continuing Contract Agreement for Continuing Engineering Services, entered into on April 17, 2018, SWDD staff requested Geosyntec submit a proposal to provide professional and consulting services for the subject project. Geosyntec’s lump sum proposal, including scope of work, schedule and budget, is shown in Attachment 1. Geosyntec’s proposal consists of four phases as follows:

PHASE	DESCRIPTION	\$ AMOUNT
1	General Consulting/Project Management	\$ 2,653
2	Pilot Study Coordination and Site Visit	\$ 4,261
3	Evaluation of Pilot Study Results	\$ 6,232
4	Technical Memorandum	\$ 6,829
	<b>Total =</b>	<b>\$ 19,975</b>

Geosyntec proposes to submit the technical memorandum within two months of the notice to proceed.

**Funding:**

Funding for this work is budgeted and available in the Other Professional Services account number 41121734-033190, which is funded from SWDD assessments and user fees.

Description	Account Number	Amount
Other Professional Services	41121734-033190	\$19,975

**Recommendation:**

Solid Waste Disposal District staff recommends that its Board approve the following:

- a) Approve Amendment No. 1 to CCNA-2018 Work Order No. 4 with Geosyntec in the amount of \$19,975 to provide professional services related to the Evaluation of a Leachate Pilot Study.
- b) Authorize the Chairman to execute the same, as presented.

**Attachment:**

- 1. Amendment No. 1 to CCNA-2018 Work Order No. 4 – Geosyntec