

Indian River County, Florida  
Solid Waste Disposal District  
Board Memorandum

**Date:** July 1, 2022

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

**From:** Sean C. Lieske, Director of Utility Services

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

**Subject:** Amendment No. 1 to Work Order No. 42 to Kimley-Horn and Associates – Centrate to Leachate Tank Conversion

**Descriptions and Conditions:**

On May 18, 2021, the Indian River County (IRC) Solid Waste Disposal District (SWDD) approved CCNA-2018 (amended and extended in 2021) Work Order No. 42 for \$50,943 to Kimley-Horn and Associates (KHA) for engineering and permitting services for the conversion of an existing 0.5-million-gallon ground storage tank (GST), previously used for centrate, to enable it to now store leachate. This approval was conditional pending approval of the contract for a leachate treatment project between SWDD and the Indian River Sustainability Center, LLC, (IRSC) which was entered on July 21, 2021.

In the process of designing the tank modifications, several challenges were encountered. The following amended Scope of Services details those challenges, and the additional services necessary to deliver the final design package for the tank modifications and installation of the mixer system. The principle challenge on this project has been the determination by the Florida Department of Environmental Protection (FDEP) that the original tank design would not meet the requirements of secondary containment for leachate storage. This resulted in preparing and submitting an “Alternative Procedure” to the FDEP. This process required significant evaluation of alternative design, identification of additional monitoring, testing, and tank modifications that could serve to prevent or quickly mitigate a spill or leak in lieu of constructing a physical containment structure. As time is of the essence for the start of the leachate evaporation project, staff directed KHA to prepare and submit the required information to the FDEP.

The purpose of this agenda item is for the approval of Amendment No. 1 to CCNA-2018 Work Order No. 42.

**Analysis:**

KHA has prepared Amendment No. 1 to CCNA-2018 Work Order No. 42, for engineering and permitting services detailing the scope of work, budget, and schedule for each of the phases. The fees to be paid by SWDD for the execution of this work authorization are in accordance with the engineer's continuing consulting services master agreement. The tasks are listed below, showing the expected completion dates and their estimated fees.

<i>Task</i>	<i>DESCRIPTION</i>	<i>Original Amount</i>	<i>Amendment No. 1</i>	<i>Revised Amount</i>
Task 1	Mixing Evaluation	\$14,522	\$ 9,937	\$ 24,459
Task 2	Tank Modifications	\$ 7,293	\$ 6,019	\$ 13,312
Task 3	Piping Modifications	\$ 6,668	\$12,873	\$ 19,541
Task 4	Permitting	\$ 1,491	\$20,618	\$ 22,109
<b><i>SUBTOTAL (Lump Sum) =</i></b>		<b><i>\$29,974</i></b>	<b><i>\$49,447</i></b>	<b><i>\$ 79,421</i></b>
Task 5	Construction Phase Services	\$20,969	\$ 0	\$ 20,969
<b><i>SUBTOTAL (Not-to-Exceed) =</i></b>		<b><i>\$20,969</i></b>	<b><i>\$49,447</i></b>	<b><i>\$ 20,969</i></b>
<b>TOTAL FEE =</b>		<b><i>\$50,943</i></b>	<b><i>\$49,447</i></b>	<b><i>\$100,390</i></b>

Staff and KHA are awaiting approval of the Alternative Procedure by the FDEP.

**Funding:**

Funding of \$49,447 for the SWDD Leachate Treatment services, is budgeted and available in the SWDD/Leachate Pre-Treatment System account, number 411-169000-19507, which is funded from SWDD assessments and user fees.

<b>Description</b>	<b>Account Number</b>	<b>Amount</b>
SWDD/Leachate Pre-Treatment System	411-169000-19507	\$49,447

**Recommendation:**

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

- a) Approve Amendment No. 1 to CCNA-2018, amended and extended in 2021, Work Order No. 42 with Kimley-Horn and Associates, Inc., for \$49,447, with an amended total of \$100,390, for the engineering and permitting services related to the Centrate to Leachate Tank Conversion Project.
- b) Authorize the Chairman to execute the same, as presented.

**Attachment (s):**

Amendment No. 1 to Work Order No. 42 – Kimley-Horn