

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

Date: January 5, 2023

To: Michael C. Zito, Interim County Administrator

From: Sean C. Lieske, Director of Utility Services

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

Subject: Approval for Additional Frac Tank and Equipment for Leachate Disposal

Descriptions and Conditions:

On May 18, 2021, the Indian River County (IRC) Solid Waste Disposal District (SWDD) Board directed staff to explore options for off-site disposal of concentrated leachate since the West Regional Wastewater Treatment Plant (WRWWTP), operated by the Indian River County Department of Utility Services (IRCDUS), was not able to process this material.

On June 15, 2021, the SWDD Board approved issuing purchase orders to Rain for Rent for the rental of the temporary storage tanks for concentrated leachate, and to Aqua Clean for the off-site transportation and disposal of the leachate. Since that time, the landfill has removed nearly two million gallons of leachate, which has greatly helped in reducing the liquid levels in the gas wells and improved the overall landfill gas quality.

This was anticipated to be a short-term effort until the 500,000-gallon Crom tank could be rehabilitated and used for leachate storage to serve the Heartland leachate evaporator, which is estimated to be on-line in February 2023; however, due to unforeseen delays, it will be June 2023 before the Crom tank and associated pipe and pump systems are completed, resulting in the need for a temporary solution. Therefore, staff recommends the continued utilization of Frac tanks, for the temporary storage of leachate to be processed by the Heartland Leachate Evaporator.

Analysis:

Staff has obtained a change order proposal #1027-IND-2015717-001 from Rain for Rent to relocate the two (2) existing Frac tanks on the IRC-SWDD site and place them adjacent to the Heartland Leachate Evaporator, and add an additional 21,000-gallon storage tank including spill containment and miscellaneous hoses and equipment for temporary storage of leachate. The rental cost for the third frac tank is \$2,989.11 per month; however, the relocation of the existing tanks, delivery of the third, setup and environmental fee has a separate one-time cost of \$3,552.95. The total six-month rental cost for the third Frac tank is \$17,934.66.

Overall, the total six (6) month cost for this additional Frac Tank is estimated to be \$21,487.61.

Funding:

Funding for the additional Frac tank change order is budgeted and available in the SWDD/Landfill/Other Contractual Services account, number 41121734-033490, for a total amount of \$21,487.61, which is funded from the SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/Landfill/Other Contractual Services	41121734-033490	\$21,487.61

Recommendation:

Staff recommends approval from the Solid Waste Disposal District Board to approve the change order and to coordinate with the Purchasing Department to amend and increase the existing Purchase Order #95005 by \$22,000.