

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

Date: October 7, 2022

To: Jason E. Brown, County Administrator

From: Sean E. Lieske, Director of Utility Services

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

Subject: Approval for Continued Off-Site Disposal of Concentrated Leachate

Descriptions and Conditions:

On June 15, 2021, the Indian River County (IRC) Solid Waste Disposal District (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 this time, the landfill has removed over one 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 Heartland leachate evaporator was in place; however, it may not be until January 2023 before this system is up and running. Therefore, staff is recommending continued storage, transportation, and disposal of the concentrated leachate from the IRC landfill.

Analysis:

Staff has been renting two 21,000-gallon storage tanks from Rain for Rent, including spill containment and miscellaneous equipment for temporary storage, and a pump to remove the concentrated leachate. For the past fiscal year, the total cost to date was \$70,217.61.

Staff has been using Aqua Clean, Inc., for the transport the concentrated leachate in 6,000-gallon tanker trucks at a price of \$0.11 per gallon and dispose at a permitted treatment facility at a cost of \$0.10 per gallon. For the past fiscal year, the total cost to date was \$346,482.15.

Overall, the total annual cost for this project for the past fiscal year was \$416,699.76; however, the costs for the first six months of this fiscal year are estimated to be approximately \$210,000. Again, this is temporary leachate treatment until the evaporator system is commissioned and operational.

Funding:

Funding in the amount of \$210,000 for the SWDD leachate treatment will need to come from the SWDD/Landfill/Other Contractual Services account, number 41121734-033490. This is funded from SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/Landfill/Other Contractual Services	41121734-033490	\$210,000

Recommendation:

Staff recommends approval from the Solid Waste Disposal District Board to waive the requirements for bids and authorize the Purchasing Department to issue purchase orders to Rain for Rent and to Aqua Clean for Fiscal Year 2023 to collect, transport, and dispose of concentrated leachate.