

Indian River County, Florida
Solid Waste Disposal District
Board Memorandum

Date: November 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: Approval for Off-Site Disposal of Concentrated Leachate Cost Increase

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 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 Heartland leachate evaporator was in place; however, it may not be until March 2023 before this system is up and running full time. Therefore, staff recommended continued storage, transportation, and disposal of the concentrated leachate from the IRC landfill. On October 18, 2022, the SWDD Board approved staff recommendation to waive the requirements for bids and authorize the Purchasing Department to issue a purchase order to Aqua Clean, Inc. for Fiscal Year (FY) 2023 for the transportation and disposal of concentrated leachate.

Analysis:

On October 28, 2022, staff received a letter of price increase from Aqua Clean, Inc., which had originally agreed to 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 a combined cost of \$0.21 per gallon. Based on the letter received, the new combined cost for transportation and treatment of concentrated leachate is \$0.26 per gallon, which will begin on November 22, 2022. Based on a six (6) month average of concentrated leachate hauling and treatment, staff conservatively estimates 5,609 gallons per day for five (5) days per week would be needed over the next six months (24 weeks). This equates to a total approximate cost for transportation and disposal of \$175,000.00.

The previous budget approval to Rain for Rent for the collection of the leachate is still estimated to be approximately \$35,000 for the next six months. Therefore, the total budget of \$210,000 previously approved is sufficient.

Funding:

Funding for \$210,000 in regard to 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 coordinate with the Purchasing Department to amend Purchase Order #94938 to Aqua Clean, Inc. with the new rate of \$0.26 per gallon to transport and dispose of the concentrated leachate.

Attachments:

Letter from Aqua Clean