

Indian River County, Florida
Solid Waste Disposal District
Board Memorandum

Date: June 8, 2021

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: Approval for Temporary Off-Site Disposal of Concentrated Leachate

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.

Staff has explored several options and has determined that renting storage tanks to remove the concentrated leachate and then using tanker trucks to transport this material off-site for at least the next six months is the best approach.

Analysis:

Staff has obtained a quote from Rain for Rent for two 21,000 gallon storage tanks, including spill containment and miscellaneous equipment for temporary storage, and a pump to remove the concentrated leachate. The rental cost is \$5,628.88 per month; however, the setup and removal cost has a separate one-time cost of \$3,532.00 each. The total six-month rental cost is \$40,837.28.

Staff has also obtained a quote from Aqua Clean, Inc., which has offered 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. Staff conservatively estimates that three tankers, or 18,000 gallons per day for five days per week, would be needed over the next six months (24 weeks). This equates to an approximate cost for transportation and disposal of \$453,600.00.

There may be some miscellaneous piping connections needed to bring the concentrated leachate a short distance from its current location to the storage tanks. Staff estimates \$25,000 for labor and materials for this work.

Overall, the total six (6) month cost for this project is estimated to be \$519,437.28; however, the costs for this fiscal year are estimated to be approximately \$260,000. Staff will recommend \$319,432.28 be included with Fiscal year 2021-2022, as needed, to provide temporary leachate treatment until the evaporator system is commissioned and operational.

Funding:

Funding for the SWDD leachate treatment will need to come from the SWDD Other Contractual Services account, which is funded from SWDD assessments and user fees. The account has a total available balance of \$509,451.95 for the 2020/2021 fiscal year.

Description	Account Number	Amount
Other Contractual Services	41121734-033490	\$260,000

Recommendation:

Staff recommends approval from the Solid Waste Disposal District Board to waive the requirement for bids and authorize the Purchasing Department to issue purchase orders to Rain for Rent and to Aqua Clean for a six-month project to collect, transport and dispose of concentrated leachate.

Attachments:

- Quotation from Rain For Rent
- Quotation from Aqua Clean