

Indian River County, Florida  
Solid Waste Disposal District (SWDD)  
Board Memorandum

**Date:** June 7, 2023

**To:** The Solid Waste Disposal District Board of County Commissioners

**Through:** John A. Titkanich, Jr., County Administrator  
Sean C. Lieske, Director of Utility Services

**Prepared By:** Himanshu H. Mehta, PE, Managing Director, SWDD

**Subject:** Request for Approval of a Pilot Test by the Indian River Sustainability Center, LLC

**Descriptions and Conditions:**

Staff received the attached letter from the Indian River Sustainability Center, LLC, (IRSC) to perform a pilot test of an advanced filtration and purification system on the landfill leachate.

**Analysis:**

Per the attached pilot test plan, IRSC plans to perform a pilot test for approximately three (3) months and will not interfere with the Leachate Evaporation Plant. In principal, the pilot test is pretreating the leachate through a filtration process. The equipment will be set up to take the leachate before it goes into the evaporator, put it through the filtration process, and then return the leachate back into the tank for ultimate processing by the evaporator. The filtration media will either be placed in the Class 1 landfill or will be shipped back with the pilot test equipment. The laboratory testing by IRSC will help determine the disposal methodology. All costs associated with the pilot test will be covered by IRSC. There will be some electrical and water usage which will be tracked and reimbursed by IRSC. The pilot test will be performed by trained IRSC personnel, and IRSC will fully be responsible for all associated permits and risks.

**Funding:**

No funding is required for this project.

**Recommendation:**

Staff recommends that its Board approve the pilot test request by the Indian River Sustainability Center, LLC.

**Attachments:**

1. IRSC Pilot Test Letter