

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

Date: January 4, 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: Work Order No. 19 to Geosyntec for Annual Permit, Compliance Monitoring, and Reporting for 2023

Descriptions and Conditions:

The Solid Waste Disposal District (SWDD) landfill operation is a highly regulated activity, which requires environmental compliance documentation in accordance with several different permits. Many of the compliance reports are prepared and certified by a third-party professional engineer. This agenda item requests authorization to engage the engineering firm of Geosyntec Consultants (Geosyntec) to perform the following tasks related to both permitting and reporting:

1. Semi-annual and annual reports to assess the characteristics of ground and surface water at the site generated by the Class I landfill in accordance with the site's landfill permits.
2. Quarterly Assessment monitoring and reporting for the Class I landfill, and Construction and Demolition (C&D) Debris Disposal Facility.
3. Annual reports required by the site's Title V air quality permit, including the annual statement of compliance, the annual operating report, semi-annual monitoring report, and the annual landfill gas sulfur content test.
4. Landfill Gas Migration Monitoring.
5. Multi-Sector General Permit.
6. Storage Tank Monitoring, Well Installation, and Reporting.

In addition, a general technical assistance and permit compliance phase is included, as SWDD often requires engineering, technical, and construction services assistance in connection with annual facility upgrade, compliance, and operations.

Analysis:

Geosyntec has prepared Work Order No. 19, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for each of the tasks. The fees to be paid by SWDD for the execution of this work authorization are in accordance with the engineer's continuing consulting services master agreement, dated May 18, 2021. The phases are listed below, showing the expected completion dates and their estimated fees.

PHASE	DESCRIPTION	DUE DATE	AMOUNT
Phase 1	Project Management/Meetings	December 31, 2023	\$29,660.08
Phase 2	Semi-Annual Water Quality Sampling & Reporting	March 2023 & September 2023	\$50,169.87
Phase 3	Quarterly Assessment Monitoring & Reporting	March 2023, June 2023, September 2023, and December 2023	\$72,429.18
Phase 4	Title V Permit Compliance Monitoring	March – December 2023	\$23,027.64
Phase 5	General Technical Assistance	January 1, 2023 – December 31, 2023	\$29,333.68
Phase 6	Storage Tank Monitoring, Wells Installation, and Reporting	February 2023	\$65,532.52
TOTAL (Lump Sum) =			\$270,152.97

Funding:

Funding for the SWDD Annual Permit Compliance Monitoring and Reporting is budgeted and available in the SWDD/Landfill/Engineering Services account, number 41121734-033130, for a total amount of \$270,152.97, which is funded from SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/Landfill/Engineering Services	41121734-033130	\$270,152.97

Recommendation:

Solid Waste Disposal District (SWDD) staff recommends that its Board approve Work Order No. 19 with Geosyntec Consultants for \$270,152.97 to provide engineering services related to the SWDD Annual Permit, Compliance Monitoring, and Reporting; and authorize the Chairman to execute the same, as presented.

Attachment:

Work Order No. 19 – Geosyntec