

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

Date: June 27, 2023

To: The Solid Waste Disposal District Board of Commissioners

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

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

Subject: Work Order No. 2 to Geosyntec for One Year of Groundwater Monitoring/Reporting and Remedial Action Plan Modification Addendum No. 4 Design at the Former South Gifford Road Landfill

Descriptions and Conditions:

In accordance with the requirements by the Florida Department of Environmental Protection (FDEP), the former South Gifford Road Landfill site requires continual groundwater monitoring activities and regulatory oversight to show that the County and the Solid Waste Disposal District (SWDD) are proactively taking efforts to remediate the site.

FDEP requires submittal of the first 2023 semi-annual groundwater monitoring report no later than July 31, 2023 (to document results of the summer 2023 sampling event) and the second 2023 semi-annual groundwater monitoring report no later than February 28, 2024 (to document results of the winter 2023 sampling event). Previous sampling, reporting, and remedial events performed by Geosyntec have been completed on schedule and within budget. In addition, according to 2022 groundwater monitoring results, reductive dechlorination has slowed significantly, and it is appropriate to plan for a focused injection event in 2024.

Accordingly, staff requested the attached proposal from Geosyntec to provide routine groundwater monitoring and reporting for a one-year period, pre-injection data collection activities, preparation of Remedial Action Plan Modification (RAPM) Addendum No. 4, and annual pollution remediation liabilities evaluation.

Analysis:

Geosyntec's proposal includes two semi-annual monitoring and reporting events for the routine groundwater monitoring program required by FDEP, collection of pre-injection data to develop the treatment area that will be presented in the RAPM Addendum No. 4, preparation of RAPM Addendum No. 4, and preparation of an annual pollution remediation liabilities evaluation. Geosyntec's proposal consists of seven phases as follows:

Phase Description	Budget
Phase 1: Project Management	\$ 7,663.20
Phase 2: Meetings/Regulatory Interaction	\$ 4,552.60
Phase 3: Annual Pollution Remediation Liabilities Evaluation	\$ 6,087.30
Phase 4: Semi-Annual Sampling Activities	\$ 56,242.70
Phase 5: Data Evaluation and Semi-Annual Reporting	\$ 17,492.76
Phase 6: Pre-RAPM Addendum No. 4 Injection Activities	\$ 60,165.90
Phase 7: Prepare RAPM Addendum No. 4	\$ 19,228.56
Total	\$171,433.02

Phase 1 includes project planning and management responsibilities. Phase 2 includes meeting attendance and interaction with regulatory agencies. Phase 3 includes preparation of the annual environmental liability evaluation in response to Governmental Accounting Standards Board Statement No. 49 (GASB No. 49), *Accounting and Financial Reporting for Pollution Remediation Obligations*, which requires the inclusion and calculation of pollution remediation obligations. Phase 4 includes field preparation, groundwater sampling, and water level measurements during two routine groundwater monitoring events. Phase 5 includes data evaluation and semi-annual reporting. Phase 6 includes pre-injection data collection in the former source area. Phase 7 includes preparation of the RAPM Addendum No. 4.

Funding:

Funding for this work, in the amount of \$171,433.02, is budgeted and available in the Optional Sales Tax/Landfill/Other Contractual Services/Landfill Groundwater Testing account, number 31521734-033490-03004, which is the one-cent sales tax fund used for infrastructure needs of the County. Costs associated with the landfills are authorized uses of the one-cent sales tax, in addition to infrastructure.

Description	Account Number	Amount
Optional Sales Tax/Landfill/Other Contractual Services/Landfill Groundwater Testing	31521734-033490-03004	\$171,433.02

Recommendation:

Solid Waste Disposal District staff recommends that its Board approves and authorizes the Chairman to sign Work Order No. 2 authorizing Geosyntec to provide groundwater monitoring/reporting and related consulting services for the Former Gifford Road Landfill in compliance with Florida Department of Environmental Protection requirements for a period of one year not to exceed fee of \$171,433.02.

Attachment:

1. Geosyntec Work Order No. 2