



**INDIAN RIVER COUNTY**  
**SOLID WASTE DISPOSAL DISTRICT**  
**BOARD MEMORANDUM**



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**Date:** May 5, 2017  
**To:** Jason E. Brown, County Administrator  
**Thru:** Vincent Burke, P.E., Director of Utility Services  
**From:** Himanshu H. Mehta, P.E., Managing Director, Solid Waste Disposal District  
**Subject:** WO No. 5 to Geosyntec for One Year of Groundwater Monitoring/Reporting and Related Consulting Services at the Former South Gifford Road Landfill

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**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 required regulatory oversight to show that the County and the Solid Waste Disposal District (SWDD) are proactively taking efforts to remediate the site.

On a positive note, FDEP approved in March 2017 the recommendation from Geosyntec in the last report to reduce the groundwater sampling frequency from semi-annual to an annual basis for 20 out of 28 wells, which has reduced the total costs significantly.

FDEP requires submittal of the next semi-annual groundwater monitoring report no later than August 31, 2017 (to document results of the summer 2017 semi-annual sampling event included in the attached work order request). Previous sampling, reporting, and remedial events performed by Geosyntec have been completed on schedule and within budget.

Accordingly, staff requested the attached proposal from Geosyntec per the Extension and Amendment of the Continuing Services Contract Agreement for Professional Services dated November 4, 2014, to provide groundwater monitoring and reporting for an additional one-year period and annual pollution remediation liabilities evaluation.

**ANALYSIS:**

Geosyntec's proposal includes two semi-annual monitoring and reporting events for the plume monitoring well network, as well as preparation of an annual pollution remediation liabilities evaluation. Geosyntec's proposal consists of five main tasks as follows:

Task Description	Budget
Task 1: Project Management	\$4,726
Task 2: Meetings/Regulatory Interaction	\$5,142
Task 3: Annual Pollution Remediation Liabilities Evaluation	\$2,111
Task 4: Semi-Annual Sampling Activities	\$43,567
Task 5: Data Evaluation and Semi-Annual Reporting	\$15,910
<b>Total</b>	<b>\$71,456</b>

Task 1 includes project planning and management responsibilities. Task 2 includes meeting attendance and

interaction with regulatory agencies. Task 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. Task 4 includes field preparation, groundwater sampling, and water level measurements (for a total of 88 wells). Task 5 includes data evaluation and semi-annual reporting.

Overall, the current work order is less than the previous level of effort provided by Geosyntec. With implementation of changes to the sampling and reporting program recommended by Geosyntec and approved by FDEP (including a decrease in sampling frequency from semi-annual to annual for 20 wells approved by FDEP in March 2017), the cost of the sampling portion of the current work order is 15% less than the previous cost provided by Geosyntec even with additional effort included for FDEP-required performance and underground injection control (UIC) monitoring following the recent injection activities.

**FUNDING:**

Funding for this work is budgeted and available in 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
One Cent Sales Tax Fund – Infrastructure Needs	31521734-033490-03004	\$71,456

**RECOMMENDATION:**

Staff recommends that the SWDD Board approves and authorizes the Chairman to sign the attached CCNA-2014 WO No. 5 authorizing Geosyntec to provide groundwater monitoring/reporting and related consulting services for the Former Gifford Road Landfill in compliance with FDEP requirements for a period of one year not to exceed fee of \$71,456.

**ATTACHMENT:**

1. Geosyntec CCNA-2014 WO No. 5