



INDIAN RIVER COUNTY
SOLID WASTE DISPOSAL DISTRICT
BOARD MEMORANDUM



Date: July 21, 2017
To: Jason E. Brown, County Administrator
From: Vincent Burke, Director of Utility Services
Prepared By: Himanshu H. Mehta, P.E., Managing Director, Solid Waste Disposal District
Subject: Work Order No. 11 to CDM Smith, Inc. for Evaluation Monitoring for the C&D Landfill

DESCRIPTIONS AND CONDITIONS:

The Solid Waste Disposal District (SWDD) landfill operation is a highly regulated activity, which requires groundwater monitoring in accordance with the site permits for the Class I landfill and the Construction and Demolition (C&D) debris landfill as well as submittal of environmental compliance documentation.

Results of routine semi-annual monitoring of groundwater quality at the C&D Debris Landfill in January 2017 indicated that confirmed concentrations of benzene and sodium exceeded the Primary Drinking Water Standard Maximum Contaminant Levels (MCLs) in samples collected from monitor well MW-21. MW-21 is one of the 10 detection monitor wells that comprise the monitoring network for the C&D Debris Landfill. In accordance with Florida Department of Environmental Protection (FDEP) rules and the permit for the facility, SWDD reported the exceedances of the MCLs to the FDEP in March 2017. In the attached letter dated June 22, 2017, FDEP requested that SWDD initiate evaluation monitoring in accordance with the requirements of Chapter 62-701.510(6), Florida Administrative Code (F.A.C.). Compliance with the evaluation monitoring requirements include installation of additional monitor wells and implementation of a quarterly monitoring program for the new wells and affected existing wells.

This agenda item requests authorization to the engineering firm of CDM Smith, Inc. (CDM Smith) to assist with the evaluation monitoring requirements which include installation of up to two additional monitor wells, quarterly sampling of at least two monitor wells, and preparation of two reports to be performed in 2017 to meet FDEP requirements.

ANALYSIS:

CDM Smith has prepared Work Order No. 11, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for the project. 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. The table below shows the expected completion date and their estimated fees.

TASK	DESCRIPTION	COMPLETION DATE	AMOUNT
Task 1	Project Quality Management	January 31, 2018	\$9,450
Task 2	Well Installation	July 25, 2017	\$8,245
Task 3	Groundwater Sampling (Quarterly)	1 st Quarter – July 28, 2017 2 nd Quarter - October 28, 2017	\$4,450
Task 4	Reporting	1 st Quarter – September 28, 2017 2 nd Quarter - December 28, 2017	\$12,150
TOTAL (Lump Sum) =			\$34,295

The costs above are consistent with what SWDD has paid historically for these services.

Due to the time sensitive nature of this work related to the scheduling of the drilling contractor and coinciding the sampling of the new well with the semi-annual sampling that CDM Smith was scheduled to perform at the end of July 2017, staff requested and received approval from the County Administrator on July 21, 2017, to authorize an interim Purchase Order No. 78006 for the work proposed in the work order. Staff is requesting approval from the SWDD Board to ratify the action by the County Administrator and to approve the attached work order.

FUNDING:

Funding for the C&D Landfill is budgeted and available in the Engineering Services account in the SWDD Landfill Fund, which is funded from SWDD assessments and user fees. The account has a total budget of \$573,500 for the 2016/2017 fiscal year.

DESCRIPTION	ACCOUNT NO.	AMOUNT
Engineering Services	41121734-033130	\$34,295

RECOMMENDATION:

SWDD staff recommends that its Board approve the following:

- a) Ratify the action by the County Administrator in approving authorization for this work under an interim Purchase Order No. 78006 on July 21, 2017.
- b) Approve Work Order No. 11 with CDM Smith, Inc. in the amount of \$34,295 to provide engineering services related to the Evaluation Monitoring for the C&D Landfill.
- c) Authorize the Chairman to execute the same, as presented.

ATTACHMENT:

- 1) Work Order No. 11
- 2) FDEP Review June 22, 2017 Letter – Notification to Initiate Evaluation Monitoring