



TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: March 18, 2014

TITLE: Motion to approve Task Order No. 28 with CDM Smith Inc., in the amount of \$172,805 for George T. Lohmeyer Waste Water Treatment Plant Deep Injection Wells Mechanical Integrity Test - P11930

Recommendation

It is recommended that the City Commission approve Task Order No. 28 with CDM Smith Inc., for engineering services in the amount of \$172,805 for George T. Lohmeyer Waste Water Treatment Plant (GTL) Deep Injection Wells Mechanical Integrity Test (MIT), P11930.

Background

Rule 62-528.425(1) (d) of the Florida Administrative Code (FAC), requires the mechanical integrity of an injection well system to be demonstrated every five years. The requirement is expressed and included in GTL's operating permit. The components of a mechanical integrity test include casing pressure testing, geophysical logging, video surveying, and radioactive tracer surveying.

Testing must be completed in accordance with the general provision 62-528.300.6, FAC. According to the GTL injection well permit with Florida Department of Environmental Protection, FDEP, permit #0054569-444-UO, mechanical integrity testing must be completed by October 14, 2014. Part of the testing process requires that a MIT plan be submitted to the FDEP Underground Injection Control (UIC), Technical Advisory Committee (TAC), an internal committee of FDEP. The plan must be reviewed and approved by the TAC prior to the initiation of the testing.

CDM Smith Inc. will develop a MIT plan to perform the implementation of the customary five-year MIT testing of each of the five existing deep injection wells. The scope of work includes preparation of a MIT plan, acidization (a process used to clean and increase the capacity and flow of the wells), a well cleaning plan, monitoring of MIT field activities, evaluation of field data, and preparation of a final report.

The data gathered from the field will be evaluated to determine the mechanical integrity

of the injection well system. Data collected from the monitor wells will also be analyzed to determine system integrity. The data will then be integrated into a final report for the Florida Department of Environmental Protection, UIC, and TAC for review and approval.

Resource Impact

There will be a fiscal impact to the City in the amount of \$172,805 for the task order and \$17,280 for engineering administration fees, for a total of \$190,085.

<i>Funds available as of February 17, 2014</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	OBJECT CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Object Code)	AVAILABLE BALANCE (Object Code)	PURCHASE AMOUNT
451-PBS670503- 3199	LOHMEYER REGIONAL PLANT OPERATIONS	SERVICES- MATERIALS/ OTHER PROFESSIONAL SERVICES	\$6,139,401	\$2,692,171	\$190,085
PURCHASE TOTAL →					\$190,085

Strategic Connections:

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included in the Infrastructure Cylinder or Excellence, specifically advancing:

- Goal 2: Be a sustainable and resilient community.
- Objective 1: Proactively maintain our water, wastewater, and bridge infrastructure.
- Initiative 5: Integrate a plan with infrastructure improvements that include modern and efficient energy standards.

This item advances the Fast Forward Fort Lauderdale 2035 Vision Plan: *We Are Ready*.

Attachment: Exhibit 1 – Task Order No. 28

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