



AGENDA MEMORANDUM

Future Item for the City Council Meeting of September 18, 2018
Action Item for the City Council Meeting of September 25, 2018

DATE: August 24, 2018

TO: Keith Selman, Interim City Manager

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<p><u>Professional Services Contract</u> Solid Waste Landfill Groundwater Monitoring (Solid Waste Operating Fund)</p>
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CAPTION:

Motion to authorize execution of a professional services contract with Terracon Consultants, Inc. of Corpus Christi, Texas for the Solid Waste Landfill Groundwater Monitoring project in the amount of \$225,191 per year with the option to administratively renew for two additional years for a total contract price of \$675,573.

PURPOSE:

This provides for annual groundwater monitoring and test reports as specified by the Texas Commission on Environmental Quality (TCEQ) for the Cefe F. Valenzuela and J. C. Elliott Landfills.

BACKGROUND AND FINDINGS:

Landfill regulations require monitoring the underlying groundwater for contamination during their active life and post-closure care period. All groundwater monitoring systems must be certified by a qualified groundwater scientist and must comply with the sampling and analytical procedures outlined in the regulations. The groundwater monitoring system consists of a series of wells placed "upstream" and "downstream" of the landfill. The samples from the upstream wells show the background concentrations of constituents in the groundwater, while the downstream wells

show the extent of groundwater contamination caused by the landfill. Groundwater monitoring is performed and report twice per year under the Texas Administrative Code, Title 30, Part 1 (TCEQ), Chapter 330 Municipal Solid Waste, Subchapter J: Groundwater Monitoring and Corrective Action.

This contract is multiple year contract with one base year plus two one-renewals to ensure continuity and cost effectiveness. All work is based on time and materials for each required activity. The project provides for monitoring, analysis, and reporting as summarized below:

- Collecting field samples from each of the landfills' groundwater wells (23 wells in J.C. Elliott and 30 wells in Cefe F. Valenzuela)
- Collecting field samples from leachate collection system locations
- Laboratory analysis for 17 metals, 47 volatile organic compounds, nitrate-nitrogen, ammonia-nitrogen and dissolved organic carbon
- Verification re-sampling for all sample locations that exceed TCEQ allowed limits
- Evaluation of the lab data and preparation of correspondence/submittals to TCEQ
- Preparation and submission of the TCEQ Annual Report
- Document preparation with analysis and justification to request TCEQ approval to discontinue monitoring of select metals on the basis that the tests offer little or no definitive indication as to whether a release has occurred within the landfill

Terracon Consultants, Inc. is the consultant engineer that was selected for this project under RFQ No. 2018-01.

ALTERNATIVES:

1. Authorize execution of the professional services contract. (Recommended)
2. Do not authorize execution of the contract. (Not Recommended)

OTHER CONSIDERATIONS:

NA

CONFORMITY TO CITY POLICY:

Complies with statutory requirements for professional services contracts.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Solid Waste Department

FINANCIAL IMPACT:**X Operating**☐ Revenue☐ Capital☐ Not applicable

Fiscal Year 2017-2018	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Budget		225,191	475,716	700,907
Encumbered / Expended Amount				
This item		225,191		225,191
Future Anticipated Expenditures This Project			475,716	475,716
BALANCE		0	0	0

Fund(s): Solid Waste Department Operating Fund

RECOMMENDATION:

City staff recommends approval of the Motion to authorize the professional services contract with Terracon Consultants, Inc.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Presentation
Contract