

TASK ORDER NO.16 AMENDMENT NO. 1
CDM Smith Inc
Sykes Creek Regional Water Reclamation Facility Deep Injection Well (DIW)
System Mechanical Integrity Testing (MIT) and DIW Component Replacements

This Amendment is made and entered into by and between the Board of County Commissioners of Brevard County, Florida, hereinafter referred to as "County" and, CDM SMITH INC, hereinafter referred to as "Consultant," consistent with the terms of the Master Agreement RFQ # 7-22-06 dated November 15, 2022, between the County and Consultant;

WHEREAS, the Master Agreement between the County and Consultant provides that requirements for professional services are to be set forth in tasks orders;

IT IS AGREED as follows:

Section A. BACKGROUND AND INTENT

The Sykes Creek WRF has two deep injection wells (DIW-1 and DIW-2) and two monitoring wells (DMW and MW-3) Through Task Order No. 16 (NTP issued 2/2/24) the County has requested that the Consultant provide support services to complete mechanical integrity testing (MIT) at its Sykes Creek Water Reclamation Facility (WRF) including preparation of the MIT Plan and report; preparation of testing specifications; on-site observation during testing; and preparation of details for the replacement of two gate valves, two butterfly valves, and a monitoring well wellhead as described in Task Order 16.

This Amendment No. 1 is for construction services including the mechanical integrity testing of both deep injection wells, labor to install owner-furnished valves, and labor and materials for the monitor wellhead repair required to complete the work.

The expectation of the County is, and it is acknowledged by the Consultant, that the Consultant coordinated with the County staff before submitting this task order amendment to become familiar with the project requirements in a general way, view the site, and determine the scope of available documentation and resources.

Section B. PROJECT REPRESENTATIVES

No changes from original task order.

Section C. SCOPE OF WORK

The Scope of Work is amended as follows:

Task 1 – Preparation of MIT Plan – NO CHANGE

Task 2 – General Testing Services – REPLACE part “a)”

- a) The Consultant will subcontract with a qualified drilling contractor to provide equipment and labor to conduct the required MIT field tests. Consultant will provide subcontract administration including contract execution, invoice processing, and project coordination.

Task 3 – Evaluation of Data and Preparation of Report - NO CHANGE

Task 4 – Injection Well Valve Replacements and Monitoring Wellhead Repair - REPLACE

This task includes repair details for replacement of the two 18-inch diameter butterfly valves and two 18-inch diameter gate valves for injection well Nos. IW-1 and IW-2: a section drawing for each deep injection well and 1 detail sheet. This task also includes repair details for replacement of the monitor well MW-3 wellhead: one design sheet showing limits of work, required repair material, design notes, and exiting condition will be prepared.

The Consultant will subcontract with a qualified drilling contractor to provide equipment and labor to conduct the replacement of the two 18-inch diameter butterfly valves and two 18-inch diameter gate valves for Injection Well Nos. IW-1 and IW-2. The drilling contractor will also replace two 10-inch diameter pressure relief & surge anticipator valves and two 10-inch diameter butterfly valves. Replacement valves and materials will be provided by the County and installed by the drilling contractor. The replacement of the valves will be coordinated with Sykes Creek WWTP and MIT activities. A survey of the new MW-3 wellhead will also be completed for FDEP reporting purposes.

Consultant will review up to a total of 20 submittals (including resubmittals) from the contractor related to the proposed repair activities. Consultant will make up to three site visits during MW-3 repair activities to monitor the contractor's work for conformance with the contract documents. The Consultant's representatives will be an engineer or hydrogeologist with experience in this type of work.

Task 5 – Bidding Assistance -REMOVED FROM SCOPE

Section D. COORDINATION

The coordination table in Section D is **REPLACED** with the following:

Function	Name	Email	Phone
Engineering	Julian Guerrero	Julian.Guerrero@brevardfl.gov	321-633-2089
Billing	Utility Billing	utility_contracts@brevardfl.gov	321-633-2089

Section E. COUNTY'S RESPONSIBILITY

No changes from the original task order.

Section F. CONSULTANT SERVICES SPECIFICALLY NOT INCLUDED

No changes from the original task order.

Section G. DELIVERABLES

The following **ADDITIONAL** deliverables shall be delivered by the Consultant:

Task 4 –Injection Well Valve Replacements and Monitoring Wellhead Repair

- c) Installation of two 18-inch gate valves, two 18-inch butterfly valves, two 10-inch butterfly valves, and two 10-inch pressure relief & surge anticipator valves on the injection wells.
- d) Survey of new MW-3 wellhead.

Section H. SCHEDULE

It is anticipated that the work described in Section C above will take 5 months to complete, starting within two weeks of receipt of a formal notice to proceed (NTP). The schedule assumes that the owner-furnished valves will be on site. Consultant will prepare an updated detailed schedule within the first 30 calendar days after the Notice to Proceed.

Table 1 – Anticipated Schedule

Task	Milestone	Calendar Days to Complete	Calendar Days from Amendment No. 1 NTP
1a	Draft MIT Plan	Complete	Complete
1b	Final MIT Plan	Complete	Complete
1c	FDEP Review and RAI ¹ (anticipated FDEP Approval)	Complete	Complete
2 & 4a	General Testing Services & Valve Replacements ²	60	60
3a	Draft MIT Report	60	120
3b	Final MIT Report ³	15	135
4b	Monitoring Wellhead Repair ⁴	30	150

Notes:

1. Task is dependent of FDEP review times.
2. Task dependent on material lead times and contractor scheduling. MIT work is expected in July or August 2024 and shall be completed no later than October 28, 2024 for Injection Well Nos. IW-1 and November 5, 2024 for Injection Well Nos. IW-2.
3. Task is dependent on County review times.
4. Task dependent on material lead times. Estimate 3 months material lead time, 1 month for material submittal review, 1 month for construction. Survey of MW-3 to follow construction.

Section I. BASIS OF COMPENSATION

Tasks 2 and 4 of this amendment shall be completed for the lump sum amount of **\$315,205** as shown in **Table 2**. The work in Task 5 is removed from the scope of work and the amount of \$7,300 is credited. The amended lump sum amount of Task Order No. 16 is **\$478,815**. The Consultant will submit monthly invoices to the County based on the estimated percentage of work completed.

Table 2 – Task Value for Invoice Purposes Only

Task	Description	Value (\$)
2	General Testing Services	\$167,200
4a	Injection Well Valve Replacements	\$94,805
4b	Monitoring Wellhead Repair	\$60,500
5	Bidding Services	(\$7,300)
	Amendment No. 1 Subtotal =	\$315,205
	Original Task Order No. 16 (NTE)	\$163,610
Amended Total =		\$478,815

Section J. ACCEPTANCE

IN WITNESS WHEREOF, this _____ day of _____, 2024.

ATTEST:

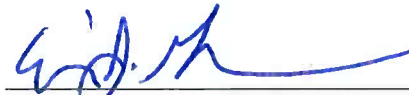
For: BOARD OF COUNTY COMMISSIONERS
OF BREVARD COUNTY, FLORIDA

By: _____

WITNESS:

R. Sambo

For: CDM Smith Inc.

By: 
Eric J. Grotke, P.E., BCEE, Vice President