

**AMENDMENT TO
Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone 760-329-6448 – FAX 760-329-2482**

TO: **EnviroLogic Resources, Inc.
2201 East Willow St., Ste. D #142
Signal Hill, CA 90755**

DATE: February 20, 2024

FIFTH AMENDMENT TO CONTRACT AGREEMENT

1. This amendment (the "Amendment") is hereby made by Mission Springs Water District and EnviroLogic Resources, Inc., parties to an agreement for **Technical Support and Oversight of the Well 42 Design and Construction Project** (the "Agreement"), dated July 19, 2019.
2. In exchange for the promises herein and other good and valuable consideration, the sufficiency of which both parties acknowledged, it is mutually agreed by and between the undersigned contracting parties that the Agreement is amended as follows:

This Amendment will increase the contract not to exceed budget from \$199,000.00 to \$224,382.00 (\$25,382.00 increase) and extend the term to ninety (90) days following the completion of Project construction.
3. Except as set forth in this Amendment, the Agreement is unchanged and shall continue in full force and effect in accordance with its terms. If there is conflict between this Amendment and the Agreement the terms of this amendment will prevail.

Instructions: Sign and return originals. Upon acceptance a copy will be signed by its authorized representative and promptly returned to you. Insert the names of your authorized representative(s) below.

Accepted:

Mission Springs Water District

By: Brian Macy

Title General Manager

Other authorized representative(s):

Eric Weck
Engineering Manager

Consultant:

EnviroLogic Resources, Inc.
(Business Name)

By: Thomas J. Calabrese

Title President

Other authorized representative(s):

February 14, 2024
10388.009

Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240

Attention: Eric Weck
Engineering Manager

Subject: Change Request – Well 42 Technical Support and Drilling Oversight
San Bernardino County, California

Dear Mr. Weck:

Thank you for the opportunity to help Mission Springs Water District (MSWD) install Well 42 in Desert Hot Springs, California. Our original proposal for technical support and well drilling oversight was based on several assumption related to project implementation. In particular, we did not include hours for oversight during drilling rig repair times, additional alignment surveys, providing responses for RFIs, or other stand-by time waiting for equipment/replacement equipment to arrive.

The key changes to the scope of work included:

- We provided more support than estimated during the technical specification development and bid review;
- Stand-by/wait time during installation of the conductor casing as a result of mud pump rebuild/replace/repair issues;
- Stand-by/wait time during pilot hole drilling for compressor repairs, redrilling footage in an attempt to straighten the hole, repeated alignment surveys required as a result of faulty equipment and deviation; review of the alignment surveys to develop a response to RFI-010 (our proposed resolution to this issue resulted in a \$50,000 savings for MSWD), and stand-by/wait time during repair of the shaker table;
- Stand-by/wait time during resolution of a broken pump issue during the aquifer zone testing; stand-by/wait time for pump trucks and other pump issues; and
- Extra expenses incurred as a result of the extra field time.

The additional costs for these tasks are shown on the attached tables. We are requesting a change in the total contract amount of \$25,382 to cover the additional work required.

Mr. Eric Weck
February 14, 2024
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CLOSING COMMENTS

Thank you very much for the opportunity to provide professional hydrogeologic services. Please let me know if you have any questions or comments. I can be reached direct at (503) 799-8011.

Sincerely,
EnviroLogic Resources, Inc.

Thomas J Calabrese

Thomas J. Calabrese, PG
Principal Hydrogeologist
President

cc: Steven W. Ledbetter, P.E

Attachment

Proposed Changes to Well 42 Technical Support and Drilling Oversight
Out of Scope Hours Log



Mission Springs Water District
Changes to Well 42 Technical Support and Drilling Oversight
Desert Hot Springs, CA

| | Task 1 - Tech Specs/Bid Review | | Task 3 - Conductor Casing Installation | | Task 4 - Pilot Hole Drilling | | Task 5 - Aquifer Zone Testing | | | Grand Totals | | | |
|----------------------|--------------------------------|------|--|------|------------------------------|--------|-------------------------------|------|-------------------|--------------|---------------|------------|--------------------|
| Labor | | | | | | | | | | | | | |
| Principal | \$180.00 | 2.0 | \$360.00 | | \$0.00 | 12.0 | \$2,160.00 | | \$0.00 | | \$0.00 | 14.0 | \$2,520.00 |
| Sr Project | \$150.00 | 14.0 | \$2,100.00 | 4.0 | \$600.00 | 8.0 | \$1,200.00 | | \$0.00 | | \$0.00 | 26.0 | \$3,900.00 |
| Project | \$120.00 | | \$0.00 | | \$0.00 | 12.0 | \$1,440.00 | | \$0.00 | | \$0.00 | 12.0 | \$1,440.00 |
| Associate | \$100.00 | | \$0.00 | 28.0 | \$2,800.00 | 96.0 | \$9,600.00 | 46.0 | \$4,600.00 | | \$0.00 | 170.0 | \$17,000.00 |
| Drafter/GIS | \$90.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| Technician | \$80.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| Clerical | \$70.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| Subtotals: | | 16.0 | \$2,460.00 | 32.0 | \$3,400.00 | 0.0 | \$14,400.00 | 46.0 | \$4,600.00 | 0.0 | \$0.00 | 222.0 | \$24,860.00 |
| Reimbursibles | | | | | | | | | | | | | |
| Extra Expenses | \$1.00 | | \$0.00 | | \$0.00 | 522.0 | \$522.00 | | \$0.00 | | \$0.00 | 0.0 | \$522.00 |
| copies | \$0.10 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| color copies | \$0.25 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| field equipment/misc | \$100.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| Subtotals: | | | \$0.00 | | \$0.00 | | \$522.00 | | \$0.00 | | \$0.00 | | \$522.00 |
| Outside Services | 15% | | \$0.00 | | \$0.00 | \$0.00 | \$0.00 | | \$0.00 | | \$0.00 | 0.0 | \$0.00 |
| Task Totals: | | | \$2,460.00 | | \$3,400.00 | | \$14,922.00 | | \$4,600.00 | | \$0.00 | 0.0 | \$25,382.00 |

cross check \$25,382.00

Out of Scope Hours

Well 42 Technical Support and Drilling Oversight
Mission Springs Water District
Desert Hot Springs, California

| Date(s) | Task | Activity | Staff Level | Hours | Rate | Amount | Staff |
|-----------------|---------------------------------------|---|------------------|-------|-------|--------------|-----------------|
| Mar-April 2020 | 1 – Tech Specs/Bid Review | Respond to RFIs | Principal | 2 | \$180 | \$360 | TJC |
| Mar-April 2020 | 1 – Tech Specs/Bid Review | Respond to RFIs | Sr Project Staff | 14 | \$150 | \$2,100 | JCH |
| 02/13/21 | 3 – Conductor Casing Drilling/Install | Clean out 48-in surface casing to 40-ft, retool/assembly for surface seal center punch/coring 40'-45', rebuild mud pump | Assoc Proj Staff | 24 | \$100 | \$2,400 | BFY, OED |
| 02/14/21 | 3 – Conductor Casing Drilling/Install | Mud pump replacement, hose leak/repairs | Sr Proj Staff | 4 | \$150 | \$600 | JCH |
| 03/02/21 | 4- Pilot Hole Drilling | Drill time beyond estimated hours; compressor repairs | Assoc Proj Staff | 4 | \$100 | \$400 | BFY |
| 03/04/21 | 4- Pilot Hole Drilling | Drill time beyond estimated hours; Alignment survey; redrill from 531 ft | Assoc Proj Staff | 24 | \$100 | \$2,400 | BFY, OED |
| 03/06/21 | 4- Pilot Hole Drilling | Drill time beyond estimated hours; Alignment survey | Assoc Proj Staff | 24 | \$100 | \$2,400 | BFY, OED |
| 03/08/21 | 4- Pilot Hole Drilling | Review alignment surveys; develop response to RFI-010 | Sr Project Staff | 8 | \$150 | \$1,200 | JCH |
| 03/08/21 | 4- Pilot Hole Drilling | Review alignment surveys; develop response to RFI-010 | Principal | 8 | \$180 | \$1,440 | TJC |
| 03/10/21 | 4- Pilot Hole Drilling | Review alignment surveys; develop response to RFI-010 | Principal | 4 | \$180 | \$720 | TJC |
| 03/11/21 | 4- Pilot Hole Drilling | Drill time beyond estimated hours; Alignment survey | Project Staff | 12 | \$120 | \$1,440 | JCH |
| 03/12/21 | 4- Pilot Hole Drilling | Drill time beyond estimated hours; repair shaker | Assoc Proj Staff | 24 | \$100 | \$2,400 | BFY, OED |
| 03/19/21 | 5 – Aquifer Zone Testing | Resolve broken pump issue | Assoc Proj Staff | 12 | \$100 | \$1,200 | BFY |
| 3/21-03/22/2021 | 5 – Aquifer Zone Testing | Standby waiting for pump trucks | Assoc Proj Staff | 10 | \$100 | \$1,000 | BFY, OED |
| 03/26/21 | 5 – Aquifer Zone Testing | Aquifer Zone testing time beyond estimated hours; pump issues | Assoc Proj Staff | 24 | \$100 | \$2,400 | BFY, OED |
| *March 2021 | 4- Pilot Hole Drilling | Extra Expenses as a result of longer field time | | | | \$522 | |
| | | | | | | \$0 | |
| | | | | | | Total | \$25,382 |