

**AMENDMENT NO. 02**  
**to**  
**AGREEMENT FOR ENGINEERING SERVICES**  
**between**  
**CITY OF MISSOULA, MONTANA**  
**and**  
**HDR ENGINEERING, INC.**  
**FOR PROFESSIONAL SERVICES**

This AMENDMENT NO. 02 is made this \_\_\_\_\_ day of June 2015, between the City of Missoula (“OWNER”), and HDR ENGINEERING, INC., (“ENGINEER”) a Nebraska corporation, with principal offices at 8404 Indian Hills Drive, Omaha, Nebraska, 68114 for services in connection with the project known as “WWTP NUTRIENT AND ENERGY OPTIMIZATION STUDY PROJECT.”

WHEREAS, OWNER has engaged ENGINEER to provide professional engineering consulting and construction administration services (“SERVICES”) in connection with the Project; and

WHEREAS, the OWNER and the Engineer have entered into a contract for professional services on October 17, 2013 for providing engineering services for the WWTP Nutrient and Energy Optimization Study Project, herein referred to as the “Project”; and

WHEREAS, the agreement contains provisions in Section VII for the OWNER to authorize extra services in connection with this project; and

WHEREAS, the OWNER has agreed to have the Engineer provide the extra services as described in Section 1, Scope of Services; and

NOW, THEREFORE, OWNER and ENGINEER in consideration of the mutual covenants contained herein, agree to amend their AGREEMENT as follows:

**SECTION 1. SCOPE OF SERVICES**

See attached Exhibit A.

**SECTION II. TERMS AND CONDITIONS OF ENGINEERING SERVICES**

This Amendment does not modify the terms and conditions of the original Agreement.

**SECTION III. RESPONSIBILITIES OF OWNER**

This Amendment does not modify the requirements of the original Agreement.

**SECTION IV. COMPENSATION**

This Amendment modifies the Compensation for ENGINEER’s services under the original Agreement as follows:

Item	Description	Amount
Original	Optimization Study	\$66,297.00
Amendment No. 01	WWTP Biosolids Dewatering	\$160,953.05
Amendment No. 02	One Year Certification	\$70,755.43
Total		\$298,005.48

IN WITNESS WHEREOF, the parties hereto have executed this Amendment No. 2 as of the day and year first written above.

ENGINEER: HDR Engineering, Inc.  
 1715 South Reserve Street, Suite C  
 Missoula, MT 59801

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Name: Amanda B. McInnis  
 Title: Vice President

OWNER: City of Missoula  
 Missoula City Hall  
 435 Ryman Street  
 Missoula, MT 59802

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Name: John Engen  
 Title: Mayor

\_\_\_\_\_ Date: \_\_\_\_\_  
 Name: Martha L. Rehbein  
 Title: City Clerk

Approved as to form:

\_\_\_\_\_ Date: \_\_\_\_\_  
 Jim Nugent, City Attorney

# City of Missoula, Montana

## WWTP Biosolids Dewatering Project

### Scope of Services

TASKS	
500	Electrical Installation Services
600	Application Software Programming Services
1000	One-Year Performance Certification

#### Project Objective:

The objective of this work effort is to install new dewatering equipment to mitigate the return nutrient load in filtrate, reduce energy costs, increase process reliability, and provide redundancy to the City's dewatering systems.

#### Task 500 – Electrical Installation Services – Additional Services

- Provide and install 4 VFD's for four existing sludge pumps. Provide and install 2 VFD's for Polymer Metering Pumps.
- Provide and install one VFD for existing Stacker Conveyor. Includes all control wiring, DeviceNet wiring and modifications to MCC and LCP-600 and LCP-500.
- All required feeder buckets and modifications to MCC.
- Addition of a line reactor to the Stacker VFD.
- Start-up and commissioning.
- Control drawings.

#### Task 600 – Application Software Programming Services – Additional Services

- LCP-500 PLC programming to accommodate replacement of the two existing Schneider VFDs with two new Allen Bradley Powerflex-753 VFDs
- LCP-600 PLC programming to accommodate replacement of the two existing Schneider VFDs with two new Allen Bradley Powerflex-752 VFDs
- LCP-600 PLC programming to accommodate addition of two new VFDs for Polymer pumps
- LCP-600 PLC programming to accommodate addition of new VFD for the existing stack conveyor
- PLC programming for new instruments
- HMI programming for the above
- PLC & HMI Commissioning
- Travel Expenses
- Project Management

#### Task 1000 – One Year Inspection and Certification

Subtasks:

- 1001 Project Certification.** HDR will provide the City with the necessary certification documentation as required by the Montana Department of Environmental Quality, the grant programs and the loan programs. This work will include: Final project certification; assistance in developing a plan for determination of conformance to performance requirements at the end of one year of operation; report document advising Owner whether or not the project meets its performance standards on or about one

year after substantial completion; a corrective action report advising Owner of actions to be taken to bring the project into conformance with performance standards (if required).

**Deliverables:**

- Notice of project acceptance.
- Final project certification.
- One-year project certification.
- Corrective action report (if necessary).

**EXHIBIT B: Engineering Services Budget Cost Summary**  
**City of Missoula WWTP**  
**Biosolids Dewatering Project - Amendment 02**

<b>Task</b>	<b>Task Description</b>	<b>Task Labor Cost</b>
100	Project Management	\$ -
200	Grant Application Assistance	\$ -
300	Full Scale Equipment Site Visits	\$ -
400	Design Services	\$ -
500	Electrical Installation Services -Subcontract	\$ 48,267.45
600	Application Software Programming Services- Subcontract	\$ 18,380.78
700	Bidding Services	\$ -
800	Construction Administration	\$ -
900	Project Start-Up/O&M Training	\$ -
1000	One Year Certification	\$ 3,959.20
<b>Total Labor Cost</b>		<b>\$ 70,607.43</b>

<b>Expense Description</b>	<b>Expense Cost</b>
Miscellaneous	\$ -
Travel Expenses	\$ -
Printing and Photocopying	\$ -
Technology Charge	\$ 148.00
<b>Total Direct Expenses</b>	<b>\$ 148.00</b>

<b>Total Cost Per Task (Labor + Expenses)</b>		
100	Project Management	\$ -
200	Grant Application Assistance	\$ -
300	Full Scale Equipment Site Visits	\$ -
400	Design Services	\$ -
500	Electrical Installation Services	\$ 48,267.45
600	Application Software Programming Services	\$ 18,380.78
700	Bidding Services	\$ -
800	Construction Administration	\$ -
900	Project Start-Up/O&M Training	\$ -
1000	One Year Certification	\$ 4,107.20
<b>Total Project Cost</b>		<b>\$ 70,755.43</b>