



Agenda # 6  
Commission Meeting Date:  
March 20, 2012

**CITY OF GREAT FALLS  
COMMISSION AGENDA REPORT**

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**Item:** Professional Services Contract Amendment: Wastewater Treatment Plant Permit Required Upgrades, O. F. 1633.0

**From:** Engineering Division

**Initiated By:** Public Works Department

**Presented By:** Jim Rearden, Public Works Director

**Action Requested:** Approve Professional Services Contract Amendment

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**Suggested Motion:**

1. Commissioner moves:

“I move the City Commission approve the Professional Services Contract Amendment between the City of Great Falls and HDR Engineering, Inc. (HDR) for engineering services for the Wastewater Treatment Plant Permit Required Upgrades, O. F. 1633.0 for a fee not to exceed \$3,491,864.00, and authorize the City Manager to execute the agreements.”

2. Mayor calls for a second, discussion, inquiries from the public, and calls for the vote.

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**Staff Recommendation:** Approve Professional Services Contract Amendment.

**Background:**

Significant Impacts

City Staff has negotiated an amendment to a previously approved professional engineering services contract (attached) with HDR to complete design work and conduct the bidding process and construction inspection services on upgrades at the Wastewater Treatment Plant. They are currently under contract to evaluate preliminary designs.

Workload Impacts

HDR, along with its partner firm Morrison Maierle, Inc. (MMI), will complete designs on upgrades required to be completed at the Wastewater Treatment Plant to meet the new Montana Department of Environmental Quality (MDEQ) permit requirements, and will provide bidding, construction inspection, and administrative services. City engineering and treatment staff, along with Veolia staff will assist with project review and administration duties.

### Purpose

Due to new outfall limits for treated wastewater that have been imposed by the MDEQ, the existing plant will not be able to meet permit requirements that are being phased in over the next 4 years. Sampling shows limits for ammonia, chlorine, and some metals currently exceed what will be required once the new permit is phased in. Flow monitoring and improvements to limit bypassing to the river during rain events must also be implemented to meet permit requirements.

### Project Work Scope

HDR and MMI have evaluated all new permit limits set by the MDEQ along with the ability of the plant to meet these limits. A mixing zone study is being performed along the Missouri River adjacent and downstream of the plant with the purpose of measuring how much mixing is occurring with the current outfall and the river. This report and study will be submitted to the MDEQ, and based on that data, it is expected that the City will be allowed to petition for higher permit limits. Infrastructure upgrades at the plant will need to be constructed to meet the remaining limit requirements. Upgrades that will be required include a new Ultraviolet disinfection process, new aeration equipment, and new metering equipment. HDR and MMI will complete the design for these infrastructure upgrades and conduct bidding and inspection services.

### Evaluation and Selection Process

HDR and MMI were selected for this project based on the engineering selection policy used by the City of Great Falls. A invitation to submit proposals was advertised in the Tribune detailing the project, and formal interviews were conducted with the three teams that submitted proposals. The HDR/MMI team scored the highest based on their ability to complete the work and past performance with similar projects. The original contract value was \$236,000.00, and was approved by the City Commission August 16, 2011. Amendment No. 1 will increase the contract value by \$3,491,864.00 to a total of \$3,727,864.00.

### Conclusion

City staff recommends approval of the Professional Services Contract Amendment No. 1 to HDR in the amount of \$3,491,864.00.

### **Fiscal Impact**

This contract will be funded through Sewer Capital Funds.

### **Alternatives:**

The City Commission could vote to deny the approval of the Professional Services Contract Amendment No. 1.

### **Attachments/Exhibits:**

1. Professional Services Contract Amendment No. 1.  
(Not available online; on file in City Clerk's Office.)