

Denver Board of Water Commissioners
 Title:
**FOURTH AMENDMENT TO AGREEMENT WITH
 AMEC EARTH & ENVIRONMENTAL, INC.
 FOR THE DILLON RESERVOIR SPILLWAY DECISION
 SUPPORT MATRIX**

Meeting Date: June 10, 2009

Contract/Proposal: 11217A

Action by Consent

Action

Information

In August 2007, Denver Water entered into an agreement with AMEC Earth & Environmental, Inc. for \$91,530.00 to complete a water quality spill model for Dillon Reservoir. This model has been set up to allow for predictions of various contaminants that may be spilled into one of the tributaries (Snake, Blue, Ten Mile) and what the expected concentration would be at the Roberts Tunnels and at the Blue River discharge. One such an event did occur on April 28, 2006 when approximately 800 gallons of an unknown chemical was released into the Snake River when a truck overturned on Loveland Pass. A predictive tool such as this model would have been useful in making initial assessments of water quality impacts to Dillon Reservoir

AMEC Earth & Environmental, Inc. is requesting additional compensation for the addition of several scoping tasks to further calibrate the model, add chemicals to the database, improve the user interface and possibly tie the model in with stream travel time studies. The additional work is described on the attachment.

The total cost for the additional services is \$29,938.00, bringing the total Agreement amount to \$121,486.00. The date for completion for this Agreement is January 31, 2010. Funds for this project (MPC 4AN0009) are included in the 2009 O & M Budget.

This specialty modeling project has no Small/Minority/Women Business Enterprise (SMWBE) goal.

RECOMMENDATION

It is recommended that the Board authorize the Fourth Amendment to Agreement 11217A for the Dillon Reservoir Spill Decision Support Matrix to AMEC Earth & Environmental, Inc. for an amount not to exceed \$29,938.00. This brings the total multi-year agreement amount to \$121,468.00.

Budget Considerations

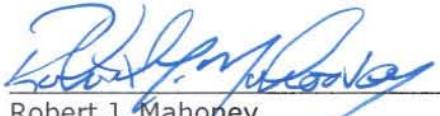
Master Plan Code(s): MPC 4AN0009

Budgeted Item Unbudgeted Item Funds transferred from another project:

Budget Information

2009 Budget	\$53,319.00
Amount Requested This Item	\$29,938.00
YTD Expenditures	\$14,998.00
Additional Expenditures Anticipated	\$8,383.00
Revised 2009 Estimate	\$53,319.00
Variance Required	\$0.00

Approvals:


 Robert J. Mahoney
 Director of Engineering


 Manager Approval


 Patti Wells
 General Counsel