



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: June 16, 2025

Re: Authorizing an amendment to the joint funding agreement for water resources investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.

Executive Summary

Staff has prepared for Council consideration, an ordinance authorizing the City Manager to execute an amendment to the agreement with the United States Geological Survey (USGS) for ground water monitoring in the McBaine Bottoms, around the City's wetland treatment units, and on the Eagle Bluffs Conservation property. The amendment is for USGS to provide additional water quality analysis of samples from Eagle Bluffs to include microplastics. There is no additional cost to the City, the USGS will cover the additional cost of \$24,100.

Discussion

On December 4, 2023, City Council authorized the continuation of a long term groundwater monitoring by the USGS in the vicinity of the McBaine wetland treatment units and Eagle Bluff Conservation Area.

The amendment to the original proposal is to include analysis of microplastics to the water quality sampling plan. USGS will collect one discrete sample from 14 sites for fiscal year 2025. Analysis data will be made available in the same manner as data for the original proposal. All costs for this work will be paid for by USGS, in the amount of \$24,100. There is no additional cost to the City for this amendment. As noted in the original proposal, annual groundwater sample results and data are entered into the USGS National Water Information System which is publicly accessible at <https://waterdata.usgs.gov/nwis>.

Fiscal Impact

Short-Term Impact: No additional cost to the city.

Long-Term Impact: Not applicable.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:



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Primary Impact: Environmental Management, Secondary Impact: Infrastructure, Tertiary Impact: Inter-Governmental Cooperation

Legislative History

Date	Action
12/04/2023	B292-23 Authorizing a joint funding agreement for water resource investigations with the U.S. Department of the Interior - U.S. Geological Survey for hydrological monitoring of well sites in the vicinity of the McBaine wetland treatment units and the Eagle Bluffs Conservation Area.
10/03/2022	B272-22 Authorizing a joint funding agreement for water resources investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
09/20/2021	B290-21 Authorizing a joint funding agreement for water resource investigations with the U.S. Geological Survey, United States Department of the Interior for hydrological monitoring of well sites in the vicinity of the McBaine wetland treatment units and the Eagle Bluffs Conservation Area.
09/08/2020	B219-20 Authorizing a joint funding agreement for water resource investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the McBaine wetland treatment units and the Eagle Bluffs Conservation Area.
09/19/2019	B284-19 Authorizing a joint funding agreement for water resources investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
09/17/2018	B224-18 Authorizing a joint funding agreement for water resources investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
09/05/2017	B250-17 Authorizing a joint funding agreement for water resources investigations with the U.S. Geological Survey, United States Department of the Interior for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
10/03/2016	B249-16 Authorizing a joint funding agreement with the USGS for groundwater monitoring of well sites in the vicinity of the wetland treatment units and Eagle Bluffs Conservation Area.
01/04/2016	B376-15 Authorizing a joint funding agreement with the USGS for



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10/20/14	groundwater monitoring in the vicinity of the wetland treatment units and Eagle Bluffs. Res. 201-14 Authorizing a joint funding agreement with the USGS for water resources investigations relating to the hydrologic monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
08/20/2012	Res. 135-12 Authorizing a joint funding agreement with the USGS for groundwater monitoring of well sites in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
09/19/2011	Res. 166-11 Authorizing a joint funding agreement with the USGS for groundwater monitoring in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
09/20/2010	Res. 195-10 Authorizing a joint funding agreement with the USGS for groundwater monitoring in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
11/17/2008	Res. 261-08 Authorizing a joint funding agreement with the USGS for groundwater monitoring in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
12/03/2007	Res. 278-07 Authorizing a joint funding agreement with the USGS for groundwater monitoring in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
10/16/2006	Res. 224-06 Authorizing a joint funding agreement with the USGS for groundwater monitoring in the vicinity of the wetland treatment units and the Eagle Bluffs Conservation Area.
11/07, 2005	Res. 245-05 Authorizing an agreement with the USGS for groundwater monitoring in the vicinity of the wetlands.
11/15/2004	Res. 236-04 Authorizing an agreement with the USGS for groundwater monitoring in the vicinity of the wetlands.
01/05/2004	Res. 10-04 Authorizing an agreement with the USGS for groundwater monitoring in the vicinity of the wetlands.
12/16/2002	Res. 233-02 Authorizing agreements with the USGS RE: Groundwater Monitoring in the Vicinity of the Wetlands.
10/01/2001	Res. 209-01 Agreements with USGS RE: Groundwater Monitoring in the Vicinity of the Wetlands.
10/02/2000	Res. 197-00 Agreements with USGS RE: Groundwater Monitoring in the Vicinity of the Wetlands.
09/28/1999	Res. 185-99 Agreements with USGS RE: Groundwater Monitoring in the Vicinity of the Wetlands.
10/05/1998	Res. 197-98 Agreements with USGS for Groundwater Monitoring in the Vicinity of Wetlands Project.
09/02/1997	Res. 137-97 Agreements with USGS for Groundwater Monitoring of Well Sites Around Wetland Treatment Units.
09/16/1996	Res. 134-96 Agreement for Groundwater Monitoring of Well Sites at the Wastewater Treatment Units (USGS).
12/18/1995	Res. 231-95 Agreement with USGS for Ground Water Monitoring in



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03/20/1995	Wetlands Vicinity. Res. 62-95 Agreement for Groundwater Monitoring of Well Sites Around Wetlands Treatment Units.
09/07/1993	Res. 143-93 Agreement with USGS for Groundwater Monitoring of Wells around Wetlands.
07/06/1992	Res. 105-92 Authorizing agreement with Missouri Department of Conservation in connection with groundwater monitoring at the wetlands.

Suggested Council Action

Approval of the ordinance.