

U.S. Department of the Interior  
U.S. Geological Survey  
Joint Funding Agreement

Page 1 of 2  
Customer #: 600000249  
Agreement #: 13EMOH005  
Project #: GC13NJ000010000,  
0030003, 0030004,  
0040000, A490011  
TIN #: 31-6400223  
Fixed Cost Agreement  Yes  No

FOR  
OHIO WATER SCIENCE CENTER

THIS AGREEMENT is entered into as of the 1st day of October, 2012, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Columbus, party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation an investigation of water resources of the Scioto River and tributaries in the vicinity of Columbus, and Pickaway County well field, Heilbranch Run water discharge, suspended sediment discharge and concentration of selected water quality parameters, and antibiotics QW, herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of \$0.

(a) \$84,207 by the party of the first part during the period  
October 1, 2012 to September 30, 2013

(b) \$275,830 by the party of the second part during the period  
October 1, 2012 to September 30, 2013

Repay: \$84,207 Unmatched: \$191,623

- (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

Form 9-1366  
continued

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- 8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered **quarterly**. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey  
United States  
Department of the Interior

USGS Point of Contact

Name: James P. Mangus  
Address: 6480 Doubletree Avenue  
Columbus, Ohio 43229-1111  
Fax: 614-430-7777  
Telephone: 614-430-7727  
Email: jpmangus@usgs.gov

Customer Point of Contact

Name: William Mahaffey  
Address: 910 Dublin Road  
Columbus, Ohio 43215  
Fax: 614-645-8177  
Telephone: 614-645-7020  
Email: wtmahaffey@columbus.gov

Signatures

By James R. Morris Date 8/30/12  
Name: James R. Morris  
Title: Director

Signatures

By \_\_\_\_\_ Date \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date \_\_\_\_\_  
Name:  
Title:

7/31/2012

OHIO WATER SCIENCE CENTER  
 PROPOSED COOPERATIVE PROGRAM  
 CITY OF COLUMBUS  
 FEDERAL FISCAL YEAR 2013

	Repay	Direct	Unmatched	Cooperator Total	Federal Matching	Total Funds
<b>Division of Water</b>						
10/1/12 - 09/30/13						
00100	\$35,793.00	\$0.00	\$18,967.00	\$54,760.00	\$35,793.00	\$90,553.00
00100	\$7,306.00	\$0.00	\$2,694.00	\$10,000.00	\$7,306.00	\$17,306.00
00100	\$753.00	\$0.00	\$247.00	\$1,000.00	\$753.00	\$1,753.00
00304	\$0.00	\$0.00	\$59,400.00	\$59,400.00	\$0.00	\$59,400.00
A4911	\$30,129.00	\$0.00	\$29,871.00	\$60,000.00	\$30,129.00	\$90,129.00
	\$73,981.00	\$0.00	\$111,179.00	\$185,160.00	\$73,981.00	\$259,141.00
<b>Division of Sewers &amp; Drains</b>						
10/1/12 - 09/30/13						
00100	\$10,226.00	\$0.00	\$9,044.00	\$19,270.00	\$10,226.00	\$29,496.00
A4911	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$0.00	\$10,000.00
00303	\$0.00	\$0.00	\$25,000.00	\$25,000.00	\$0.00	\$25,000.00
00400	\$0.00	\$0.00	\$36,400.00	\$36,400.00	\$0.00	\$36,400.00
	\$10,226.00	\$0.00	\$80,444.00	\$90,670.00	\$10,226.00	\$100,896.00
<b>Total Program</b>	<b>\$84,207.00</b>	<b>\$0.00</b>	<b>\$191,623.00</b>	<b>\$275,830.00</b>	<b>\$84,207.00</b>	<b>\$360,037.00</b>
	\$54,078.00		\$30,952.00	\$85,030.00		
00100			\$25,000.00	\$25,000.00		
00303			\$59,400.00	\$59,400.00		
00304			\$36,400.00	\$36,400.00		
00400	\$30,129.00		\$39,871.00	\$70,000.00		
A4911	\$84,207.00		\$191,623.00	\$275,830.00		

**CITY OF COLUMBUS STATIONS**

**STREAM STATIONS**

STATION #	STATION NAME	TOTAL	OWDA	MCD	CORPS OF ENG			MISC	COOPERATOR	FED	COOP
					STR	G-INV	AER				
03217500	SCIOTO R AT LARUE	13500									
03219500	SCIOTO R NR PROSPECT	12027			1560		5970	H/COLUMBUS	N	13500	4497
03220000	MILL CR NR BELLPOINT	12155			2600		5450	H/COLUMBUS	N		4105
03221000	SCIOTO R BL O'SHAUGHNESSY	12027			1560		5970	H/COLUMBUS			4497
03225500	OLENTANGY R NR DELAWARE	12451			5000		4250	H/COLUMBUS(S&D)	N		3201
03226800	OLENTANGY R NR WORTHINGTON	12155			2600		5450	H/COLUMBUS(S&D)			4105
03227500	SCIOTO R AT COLUMBUS	13500			4780			H/COL(S&D)/NSIP		8720	
03228300	BIG WALNUT AT SUNBURY	11950					7220	COLUMBUS			4730
03228500	BIG WALNUT C AT CENTRAL COLLEGE	11950					7220	COLUMBUS			4730
03228750	ALUM C NR KILBOURNE	12325					8740	COLUMBUS			3585
03229500	BIG WALNUT C AT REESE	11950					7220	COLUMBUS			4730
03229610	SCIOTO R SR 762 NR COMMERCIAL POINT	11889					6970	COLUMBUS			4919
03230450	HELLBRANCH R NR HARRISBURG	12530					9570	COLUMBUS(S&D)			2960
03230500	BIG DARBY CR AT DARBYVILLE	12641			4580	500		COLUMBUS (S&D)			3171
<b>GRAND TOTAL GAGING STATIONS</b>		<b>159550</b>	<b>4210</b>	<b>0</b>	<b>22680</b>	<b>500</b>	<b>74030</b>			<b>22220</b>	<b>49230</b>

**RESERVOIRS**

STATION #	STATION NAME	TOTAL	ODNR	MCD	CORPS OF ENG			MISC	COOPERATOR	FED	COOP
					STR	G-INV	AER				
	QW DATA DISPLAY	1753					1000				753
03220500	O'SHAUGHNESSY RESERVOIR	5184					3000	COLS O/M			2184
03221500	GRIGGS RESERVOIR	6061					3500	COLS O/M			2561
03228400	HOOVER RESERVOIR	6061					3500	COLS O/M			2561
<b>GRAND TOTAL RESERVOIRS</b>		<b>19059</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1000</b>			<b>0</b>	<b>8059</b>

**WATER QUALITY STATIONS**

STATION #	STATION NAME	TOTAL	ODNR	MCD	CORPS OF ENG			MISC	COOPERATOR	FED	COOP
					STR	G-INV	AER				
03195000	SCIOTO R AT PROSPECT	19800					19800	COLUMBUS			
03228300	BIG WALNUT AT SUNBURY	19800					19800	COLUMBUS			
03220510	SCIOTO R BL O'SHAUGHNESSY DAM	19800					19800	COLUMBUS			
03230450	HELLBRANCH R NR HARRISBURG	36400					36400	COLUMBUS(S&D)			
03230450	HELLBRANCH R NR HARRISBURG	25000					25000	COLUMBUS(S&D)			
<b>GRAND TOTAL WATER QUALITY SITES</b>		<b>120800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120800</b>			<b>0</b>	<b>0</b>
<b>TOTAL COST FOR CITY OF COLUMBUS</b>							<b>\$205,830</b>				

<b>CITY OF COLUMBUS PROGRAM</b>												
<b>NOTES:</b>	<b>FY 2013</b>											
	updated 07/19/12											
	No base cost increase in 2013 from 2012											
	USGS COOP Adjustment											
	Planning to increase costs 4-5% in FY 2014											
	<b>Known proposed streamgages</b>											
	Little Scioto R nr Marion											
	Scioto R nr Delaware											
	Scioto R at Marble Cliff											
	Olentangy R at W 3rd Ave											
	Big Walnut Cr at Morse Rd nr Gahanna											



# United States Department of the Interior

U.S. GEOLOGICAL SURVEY  
Ohio Water Science Center  
6480 Doubletree Avenue  
Columbus, Ohio 43229-1111  
<http://oh.water.usgs.gov>

August 30, 2012

William Mahaffey, Inventory Property Manager  
City of Columbus, Division of Water  
910 Dublin Road  
Columbus, OH 43215-1195

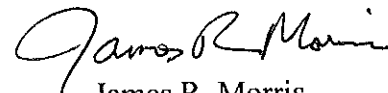
Dear Mr. Mahaffey:

Enclosed for your review and approval is Joint Funding Agreement # **13EMOH005** for the investigation of water resources of the Scioto River and tributaries in the vicinity of Columbus and Pickaway County well field, Hellbranch Run water discharge, suspended sediment discharge, concentration of selected water quality parameters, and antibiotic QW. *Note:* The USGS Cost Share amount is lower than in previous JFA's. This reduction is a result of an internal adjustment to our USGS Headquarters overhead assessment on the Cooperative Water Program funds. This change does not affect the amount of work or increase the costs to your agency. If you approve, please have both originals signed and return one signed original to our office and retain the other original for your records. Work cannot continue until we receive the signed agreement.

Work performed with funds from this agreement will be conducted on a fixed-price basis. Federal matching funds are dependent of USGS's receipt of appropriations. The City of Columbus will be billed quarterly. The results of all work under this agreement will be available for publication by the U.S. Geological Survey.

We appreciate your continued support of our cooperative streamflow program and look forward to working with you. Please give us a call at 614-430-7702 if you have any questions.

Sincerely,

  
James R. Morris,  
Director

Enclosure