

**Form 9-1366
(Oct. 2005)**

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

Customer #: 6000000249
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, Hellbranch 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.

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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 InteriorUSGS 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 8/20/12
 Name: James R. Morris
 Title: Director

By _____ Date _____
 Name: _____
 Title: _____

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

7/31/2012

				Repay	Direct	Unmatched	Cooperator Total	Federal Matching	Total Funds
10/1/12 - 09/30/13	00100	Division of Water		\$35,793.00	\$0.00	\$18,967.00	\$54,760.00	\$35,793.00	\$90,553.00
	00100	Stream Gaging (8)		\$7,306.00	\$0.00	\$2,694.00	\$10,000.00	\$7,306.00	\$17,306.00
	00100	Reservoir Stage (3)		\$753.00	\$0.00	\$247.00	\$1,000.00	\$753.00	\$1,753.00
	00304	Reservoir QW Display		\$0.00	\$0.00	\$59,400.00	\$59,400.00	\$0.00	\$59,400.00
	A4911	QW Monitors (3)		\$30,129.00	\$0.00	\$29,871.00	\$60,000.00	\$30,129.00	\$90,129.00
		Total - Division of Power & Water		\$73,981.00	\$0.00	\$111,179.00	\$185,160.00	\$73,981.00	\$259,141.00
		Division of Sewers & Drains							
	00100	Stream Gaging (3)		\$10,226.00	\$0.00	\$9,044.00	\$19,270.00	\$10,226.00	\$29,496.00
	A4911	Water Levels		\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$0.00	\$10,000.00
	00303	Hellbranch Water Quality		\$0.00	\$0.00	\$25,000.00	\$25,000.00	\$0.00	\$25,000.00
	00400	Hellbranch Susp Sediment		\$0.00	\$0.00	\$36,400.00	\$36,400.00	\$0.00	\$36,400.00
		Total - Division of Sewers & Drains		\$10,226.00	\$0.00	\$80,444.00	\$90,670.00	\$10,226.00	\$100,896.00
		Total Program		\$84,207.00	\$0.00	\$191,623.00	\$275,830.00	\$84,207.00	\$360,037.00
	00100			\$54,078.00		\$30,952.00	\$85,030.00		
	00303					\$25,000.00	\$25,000.00		
	00304					\$59,400.00	\$59,400.00		
	00400					\$36,400.00	\$36,400.00		
	A4911					\$39,871.00	\$70,000.00		
						\$191,623.00	\$275,830.00		
				\$84,207.00					

CITY OF COLUMBUS STATIONS

STREAM STATIONS

STATION #	STATION NAME	CORPS OF ENG						COOPERATOR	FED	COOP
		TOTAL	OWDA	MCD	STR	G-INV	AER			
03217500	SCIOTO R AT LARUE	13500			1560			5870 H/COLUMBUS	N	4497
03218500	SCIOTO R NR PROSPECT	12027			2600			5450 H/COLUMBUS	N	4105
03220000	MILL CR NR BELLPOINT	12155			1560			5970 H/COLUMBUS		4497
03221000	SCIOTO R BL O'SHAUGHNESSY	12027								
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	4210		4580	500		COLUMBUS (S&D)		3171
GRAND TOTAL GAGING STATIONS		159550	4210	0	22680	500	0	74030		22220 49230

RESERVOIRS

STATION #	STATION NAME	CORPS OF ENG						COOPERATOR	FED	COOP
		TOTAL	ODNR	MCD	STR	G-INV	AER			
03220500	QW DATA DISPLAY	1763						1000		753
03221500	O'SHAUGHNESSY RESERVOIR	5184						3000 COLS OIM		2184
03228400	GRIGGS RESERVOIR	6061						3500 COLS OIM		2561
	HOOVER RESERVOIR	6061						3500 COLS OIM		2561
GRAND TOTAL RESERVOIRS		19059	0	0	0	0	0	11000		0 8059

WATER QUALITY STATIONS

STATION #	STATION NAME	CORPS OF ENG						COOPERATOR	FED	COOP
		TOTAL	ODNR	MCD	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)		
GRAND TOTAL WATER QUALITY SITES		120800	0	0	0	0	0	120800		0 0
TOTAL COST FOR CITY OF COLUMBUS										\$205,830

CITY OF COLUMBUS PROGRAM	
NOTES:	FY 2013 updated 07/19/12 No base cost increase in 2013 from 2012 USGS COOP Adjustment Planning to increase costs 4-5% in FY 2014
	Known proposed streamgages
	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

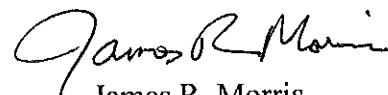
Dear Mr. Mahaffey:

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