

Copy in lieu of original



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Indiana-Kentucky Water Science Center

Indiana Water Science Center
5957 Lakeside Boulevard
Indianapolis, Indiana 46278-1996

Kentucky Water Science Center
9818 Bluegrass Parkway
Louisville, Kentucky 40299-1906

April 18, 2017

Gregory Lubeck
Engineering Section Manager
Lexington-Fayette Urban County
101 E. Vine St. 4th Floor
Lexington, KY 40507

Dear Mr. Lubeck,

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) Indiana-Kentucky Water Science Center Water Resources Investigations, during the period July 1, 2017 through June 30, 2018 in the amount of \$118,450 cash from your agency. U.S. Geological Survey contributions for this agreement are \$54,500 for a combined total of \$172,950. Please sign and return one fully-executed original to Tonja Clark at the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **July 1, 2017**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jeffrey Woods by phone number (317) 600-2762 or email jwoods@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Tonja Clark at phone number (317) 600-2723 or email at trclark@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

MICHAEL
GRIFFIN

Michael Griffin
Director

Enc.: 17EMNF0000129(2)

Form 9-1366
(April 2015)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Agreement#: 17EMNF0000129
Customer#: 6000001402
Project #: NF0095B
TIN #: 61-0858140
USGS DUNS #: 949289961

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the July 1, 2017, by the U.S. GEOLOGICAL SURVEY, Indiana-Kentucky Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Lexington-Fayette Urban County party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation Water Resource Investigations (per attachment), 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) include In-Kind-Services in the amount of \$0.00

- (a) \$54,500 by the party of the first part during the period July 1, 2017 to June 30, 2018
- (b) \$118,450 by the party of the second part during the period July 1, 2017 to June 30, 2018
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of :

Description of the USGS regional/national program:

- (d) 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
- (e) 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.

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 cost, 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.).

Form 9-1366
(April 2015)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Agreement#: 17EMNF0000129
Customer#: 6000001402
Project #: NF009SB
TIN #: 61-0858140
USGS DUNS #: 949289961

USGS Technical Point of Contact

Name: Jeffrey Woods
Supervisory Hydrologist
Address: 5957 Lakeside Blvd.
Indianapolis, IN 46278
Telephone: (317) 600-2762
Fax: (317) 290-3313
Email: jwoods@usgs.gov

Customer Technical Point of Contact

Name: Gregory Lubeck
Engineering Section Manager
Address: 101 E. Vine St. 4th Floor
Lexington, KY 40507
Telephone: (859) 258-3446
Fax: (859) 425-2461
Email: glubeck@lexingtonky.gov

USGS Billing Point of Contact

Name: Tonja Clark
Administrative Officer
Address: 5957 Lakeside Blvd.
Indianapolis, IN 46278
Telephone: (317) 600-2723
Fax: (317) 290-3313
Email: trclark@usgs.gov

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Fax: (859) 425-2461
Email: glubeck@lexingtonky.gov

U.S. Geological Survey
United States
Department of Interior

Lexington-Fayette Urban County

Signature

By MICHAEL GRIFFIN Date: Apr 18, 2017
Name: Michael Griffin
Title: Director

Digitally signed by MICHAEL GRIFFIN
DN: cn=MICHAEL GRIFFIN, o=U.S. Geological Survey, ou=Water Resource Investigations, email=MICHAEL.GRIFFIN@USGS.GOV, c=US

Signatures

By [Signature] Date: 22 Jun - 2017
Name: Jim Gray
Title: Mayor

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

USGS PRECIPITATION GAGE LOCATIONS

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science for a changing world

National Water Information System: Map View

9:18 AM 3/22/2015

Map showing USGS precipitation gage locations in the Lexington, KY area. The map includes major roads such as Citation Blvd, Bryan Station Rd, Winchester Rd, Chilesburg Rd, and Tates Creek Rd. Key locations marked include Yarnallton, Fort Spring, Government Center, Veterans Park, and various gage sites like TB@YARNALLTON, SE@FORT SPRING, GR@CITATION BLVD, NE@BRYAN STATION RD, NE@WINCHESTER RD, EH@CHILESBURG RD, WH@VETERANS PARK, and EH@TATES CREEK RD.

Legend:

- Sites
- ROADWAYS
- Water
- Streams
- Contours
- Topography
- Boundaries
- Buildings
- Vegetation
- Other

Export Sites

Site Number	Site Name	State
14000001	FRONT LAKE NEAR HULLGARD	NY
14000002	BLISSLE FORD AT ELKTON	NY
14000003	LEWIS FORD AT PINNACLE	NY
14000004	JONES CREEK NEAR HETA	NY
14000005	GRANT LANE NEAR HETA	NY
14000006	TUG FORD AT WILLARDSON	NY
14000007	LITTLE SANDY RIVER BELOW GRAYTON DAM NEAR LECTY	NY
14000008	LITTLE SANDY RIVER AT GRAYSON	NY
14000009	TAYLOR CREEK AT CONESPOFFER DRIVE AT DELAWARE	NY
14000010	THE WINDSWEPT BEAK AT ALEXANDRIA	NY
14000011	FOURVILLE CREEK AT ROCKY RIDGE RD IN ALEXANDRIA	NY
14000012	CAVE RUN LAKE NEAR FARMERS	NY
14000013	LOCKING RIVER AT HWY 50 AT FARMERS	NY
14000014	POOLOCK CREEK AT STATE HWY 158 IN SHARKEY IN STA D	NY
14000015	NORTH FORK LOCKING RIVER NEAR MT CLAYTON	NY

Scale: 1 mi

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USGS STREAMFLOW GAGE LOCATIONS

USGS
National Water Information System: Map View

USGS Name
Contact USGS
Search USGS

Gage Number	Gage Name	State
04010000	GRASSY CREEK NEAR BRILLI	TX
04010001	FISHPOND LAKE NEAR MILLARD	TX
04010002	LEWIS FORD BELOW MILLARD	TX
04010003	POSSIBLE FORD AT ELSTON CITY	TX
04010004	LEWIS FORD AT PINEVILLE	TX
04010005	LEWIS FORD AT WEST FORT WORTH	TX
04010006	JONES CREEK NEAR WETA	TX
04010007	GRAND LANE NEAR WYLER	TX
04010008	JONES CREEK NEAR WASH	TX
04010009	LEWIS FORD AT PINEVILLE	TX
04010010	WYLER FORD AT WILKINSON	TX
04010011	BOG SAUNDERS AT LOUISIANA	TX
04010012	BEAULIE CREEK NEAR LAUREL	TX
04010013	OHIO RIVER AT ASHLAND	TX
04010014	OHIO RIVER AT TROTON, OH	TX
04010015	GRAYDON LAKE NEAR LEON	TX
04010016	LITTLE SANDY POND BELOW CAYSON DOW NEAR LEON	TX

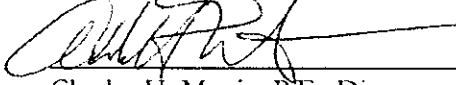
MAYOR JIM GRAY



LEXINGTON

CHARLES H. MARTIN, P.E.
DIRECTOR
WATER QUALITY

TO: Mayor Jim Gray
Urban County Council

FROM: 
Charles H. Martin, P.E., Director
Division of Water Quality

DATE: May 10, 2017

SUBJECT: USGS Gauge Network Agreement

Request

The Division of Water Quality requests approval of an agreement between the Lexington-Fayette Urban County Government (LFUCG) and the United States Geological Survey (USGS) for the continued operation and maintenance of existing stream flow and rain gauges. These gauges were installed in 1997 by the USGS, and this agreement will assure necessary maintenance for the period July 1, 2017 through June 30, 2018.

Purpose of Request

The data collected by the gauge network is used by LFUCG and others for storm water management purposes. In FY18, specific water quality data will be collected in the South Elkhorn watershed; in addition to the flow and precipitation data collected in all watersheds served by the gauge network. The USGS will provide complete maintenance and collect all data. Each station will be checked and calibrated monthly by USGS. Any gauge station that fails to operate or is damaged will be repaired by USGS at no cost to LFUCG. All data is retrieved via satellite and is made available to LFUCG via a site hosted by USGS.

Project Cost in FY18 and in Future Budget Years

Funding for this year's agreement for \$118,450.00 is fully budgeted in 4051-303204-3363-71205.

Are Funds Budgeted

Funds have been requested in the FY 2018 budget.

Martin/Hoskins-Squier

