

CITY COUNCIL
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City of Hogansville



Open, City Manager
Lisa Kelly, City Clerk
Jeff Todd, City Attorney

400 E Main St
Hogansville GA 30230-1196
706-637-8629 | cityofhogansville.org

COUNCIL ACTION FORM

MEETING DATE: May 18, 2020 **SUBMITTED BY:** Lisa Kelly

AGENDA TITLE: Watershed Monitoring & Reporting Agreements

CLASSIFICATION (City Attorney must approve all ordinances, resolutions and contracts as to form)

- | | | | |
|--|-------------------------------------|---|---|
| <input type="checkbox"/> Ordinance (No. ____) | <input type="checkbox"/> Contract | <input type="checkbox"/> Information Only | <input type="checkbox"/> Public Hearing |
| <input type="checkbox"/> Resolution (No. ____) | <input type="checkbox"/> Ceremonial | <input checked="" type="checkbox"/> Discussion/Action | <input type="checkbox"/> Other |

BACKGROUND (Includes description, background, and justification)

EPD requires annual monitoring & reporting associated with the new waste water treatment plant, above and beyond current requirements, due to direct discharge of treated waste water into Yellow Jacket Creek. Two proposals are being provided; one is for the actual monitoring (testing) requirements and the second for the annual reporting as a result of the testing. Both agreements are mandatory by EPD for operation of the new plant.

BUDGETING & FINANCIAL IMPACT (Includes project costs and funding sources)

No dollars will be expended in the current budget year, although dollars were set aside for operational costs such as these. The new 2020/2021 budget will reflect these operational costs. Early preparations are needed to begin testing in July 2020, so the City needs to move forward with approval to accommodate the July testing period.

Annual cost for monitoring: \$10,370

Annual cost for reporting : \$ 4,500

This is reflective of an on-going annual cost and will be budgeted accordingly.

STAFF RECOMMENDATION (Include possible options for consideration)

Accept the agreements with CCR Environmental, Inc. & Turnipseed Engineers to perform the annual monitoring & reporting to EPD.



April 17, 2020

Mrs. Lisa Kelly
Interim City Manager
City of Hogansville
400 East Main Street
Hogansville, Georgia 30230

Re: City of Hogansville
Watershed Monitoring
Project No. 310684.107

Dear Mrs. Kelly:

We are enclosing a proposal dated October 24, 2019, from CCR Environmental, Inc. The proposal is for 2020 chemical water quality monitoring required in the City's Watershed Protection Plan and includes all sampling, laboratory analysis and data preparation required by current Georgia Environmental Protection Division (EPD) guidelines for water quality and biological monitoring. The monitoring results will be incorporated into the annual watershed monitoring report.

The total proposed annual fee is \$10,370.00. CCR will send invoices several times in 2020 as sampling and lab analyses are completed, with a final invoice late in 2020 or early in 2021 when final results are provided.

Also enclosed is a summary of recent proposals received for another client. Firms solicited are known to be well-qualified and experienced for this work, and the proposals all met the same standards as Hogansville's monitoring. As shown, CCR proposed the lowest cost for each element of the work. We have experience with CCR and they have consistently met Georgia EPD requirements for our projects, provided useful results and helpful service.

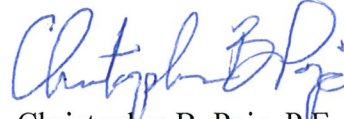
Mrs. Kelly
Hogansville/310684

April 17, 2020
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If the CCR proposal is acceptable, please sign, date and return the agreement sheet to us. Once received, we will provide necessary coordination to have this work completed.

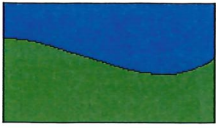
If you have questions or need additional information, please call us.

Yours truly,



Christopher B. Poje, P.E.
Turnipseed Engineers

CBP:kb
Enclosures



CCR ENVIRONMENTAL, Inc.

3772 PLEASATDALE ROAD, SUITE 150, ATLANTA, GEORGIA 30340
TEL: 770-458-7943, FAX: 770-458-2454

October 24, 2019

LONG-TERM WATER QUALITY MONITORING CITY OF HOGANSVILLE, GEORGIA G. BEN TURNIPSEED ENGINEERS, INC.

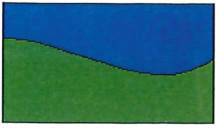
WORK PLAN

Prior to any sampling, the designated sites will be reviewed for suitability, *i.e.*, flowing stream/lotic conditions (not stagnant, lotic conditions). Water quality monitoring will be conducted at four (4) study locations in 2020. A total of three sampling events (two dry and one wet) shall be conducted. A dry event is one with no rainfall for 72 hours prior to sampling. A wet event will be defined as > 0.2 inches of rainfall over previous 24 hours with dry conditions (no rainfall) for 72 hours prior. Rainfall information will be tracked (real-time) using the USGS website (<http://water.usgs.gov/realtime.html>) for nearby sites. Stream flow will be measured directly during all dry sampling events at each site. Single, discreet grab samples will be collected for all events. The wet sample will be collected on the rising limb of hydrograph whenever possible.

Samples from all study sites will be analyzed in the laboratory (GEPD-approved) for the following parameters: COD, BOD₅, TSS, alkalinity, hardness, total phosphorus and orthophosphate, TKN, ammonia, and nitrate-nitrite. Additionally, the wet sample will be analyzed for total recoverable metals (Pb, Cu, Zn, and Cd). “Clean metals” sampling techniques will be employed for the wet/metals sampling. In addition to laboratory analyses, the following *in situ* parameters will be measured during sample collection: air and water temperature, dissolved oxygen (DO), % DO, salinity, pH, turbidity, and specific conductance.

In addition to the aforementioned parameters, bacteriological monitoring (fecal coliform and *E. coli*) will be monitored over two sampling periods. During each sampling period, a total of four grab samples will be collected on a regular schedule (irregardless of weather) within a 30-day period. No sample will be collected within 24 hours of another sample. Sampling will be performed between the months of May – October to correspond to state standards. No flow measurements will be made during bacteriological monitoring.

A report will be provided that describes the methods used, results, and discussion of results and potential problem areas, and EPD spreadsheets will be completed and submitted for each year. The report will be provided G. Ben Turnipseed Engineers, Inc. in early 2021.



CCR ENVIRONMENTAL, Inc.

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October 24, 2019

LONG-TERM WATER QUALITY MONITORING CITY OF HOGANSVILLE, GEORGIA G. BEN TURNIPSEED ENGINEERS, INC.

COST BID (FY 2020-21)

Labor

Senior Biologist – 10 hrs. @ \$110/hr. = \$ 1100

Staff Biologist – 65 hrs. @ \$75/hr. = \$ 4875

Total = \$5,900

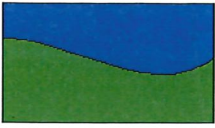
Laboratory (water chemistry; includes macro. sampling)

Total = \$3,775

Other Expenses (mileage, field supplies, copying, etc.)

Total = \$695

Total Lump Sum Bid for Water Quality Monitoring in 2020-21 = \$10,370



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**LONG-TERM WATER QUALITY MONITORING
CITY OF HOGANSVILLE, GEORGIA
G. BEN TURNIPSEED ENGINEERS, INC.**

These costs have been calculated and presented as lump sum bids. Additional or out-of-scope work will be billed at an hourly rate of \$110 and \$75 per hour for senior and staff biologist, respectively, plus expenses. No additional or out-of-scope work will be performed unless authorized by the Client.

Your acceptance of this proposal may be indicated by signing in the space provided below. Payment terms are 30 days upon receipt of invoice.

ACCEPTANCE OF PROPOSAL AND AUTHORIZATION TO PROCEED

Authorized By:

Title:

Firm Name:

Date: