CITY OF BRANDENBURG
WASTEWATER TREATMENT PLANT
PUBLIC-PRIVATE PARTNERSHIP
REQUEST FOR PROPOSALS

Mandatory Pre-Proposal Meeting and Site Visit
March 16, 2020 10:00 a.m. – 4:00 p.m. Eastern Time
Brandenburg City Hall
737 High Street
Brandenburg, KY 40108
Phone: (270) 422-4981

Proposal Due Dates
April 17, 2020, 3:00 p.m. Eastern Time

Proposal Delivery Address
Brandenburg City Hall
C/O/ Brandenburg WWTP RFP
737 High Street
Brandenburg, KY 40108
Phone: (270) 422-4981

RFP Point of Contact
Mayor Ronnie Joyner
Email: BrandenburgRFP@gmail.com

February 18, 2020

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SECTION I: PROJECT OVERVIEW

1.1. General Request

The City of Brandenburg ("Brandenburg" or “the City”) is accepting proposals (“Proposals”) to enter into a public-private partnership (“P3”) agreement (“P3 Agreement” or “Project”) for the following Project components: (1) design and build a new wastewater treatment plant (“WWTP”), demolish and remove the existing WWTP, renovate a pump station, and potentially operate and maintain the plant per the specifications outlined below, (2) finance the Project, or (3) potentially replace approximately 45,000 feet of clay tile piping, potentially maintain the entire wastewater treatment system, or any other innovative proposals to meet Brandenburg’s wastewater needs. Respondents (“Respondents” or “Private Partners”) may submit Proposals to some or all of these components.

1.2. Project Background

Nucor Corporation is constructing a new $1.3 Billion steel facility in the same location as Brandenburg’s current WWTP. Brandenburg must construct a new WWTP and demolish the old WWTP before Nucor completes construction of its facility. Moreover, Nucor’s facility is expected to directly support over 400 jobs with average salaries of approximately $72,0000/year, not including any additional jobs created by businesses supporting the new facility. As such, Brandenburg expects a need for expanded capacity in its new WWTP.

Additionally, the WWTP's primary pump station’s electrical equipment is currently located in a 100-year flood plain. Brandenburg requires a solution to protect that equipment.

Finally, Brandenburg is interested in replacing its WWTP’s approximately 45,000 feet of clay tile piping with a more sustainable solution.

Brandenburg and Meade County have an interlocal agreement to share the costs associated with this Project.

1.3. Brandenburg’s Objectives

1.3.1. Single Point of Accountability: To have the Private Partner provide the City with a single point of contract accountability for design, construction, commissioning and Project performance. The single point of accountability is responsible for providing the City with complete resolutions to design, construction, operations, and maintenance issues that may arise during all phases of Project execution.

1.3.2. Quality Design and Construction: Provide facilities and equipment that will be sustainable and will be in full compliance with state and federal regulations and contractual standards as set herein.

1.3.3. Guaranteed Project Cost: All costs associated with this Project must be fixed and guaranteed over the life of the P3 Agreement.

1.3.4. Streamlined Project Schedule: Complete the design, construction, and performance testing of the WWTP without disrupting Nucor’s construction timeline.

1.3.5. Minimizing Risk for Change Orders: Achieve an optimal balance of risk allocation between the City and the Private Partner and manage risks to reduce the likelihood of change orders.

1.3.6. Selection of Qualified Design-Builder: Selection of an experienced Design-Build Private Partner that understands the City's objectives, has experience in the design-build marketplace, and can quickly design and construct the Project to or under budget.

1.3.7. Collaboration with Design Elements: Review and participate with Private Partner's selection of design elements that will minimize overall future operational concerns and maintenance costs.

1.3.8. Innovative Solutions: Select a Private Partner that can develop and implement innovative solutions for accelerated Project scheduling, maximum cost control, improved constructability and minimization of operations and maintenance costs to ensure the Project is completed on time and under budget.

1.4. RFP Shared with Commonwealth Agencies

Copies of this RFP will be submitted to the Commonwealth of Kentucky's Finance and Administration Cabinet and the Department of Local Government in accordance with KRS 65.028(9).

SECTION II: PROJECT SPECIFICATIONS

2.1. Scope of the Project

The City is accepting separate Proposals for (1) the design-build components of the Project, (2) financing the Project, or (3) several optional components. Respondents can respond to some or all of the components of the Project outlined below. Respondents can form their own Private Partner Teams to address these components or, alternatively, the City can accept components from multiple Respondents to form the Private Partner Team. The City reserves the right to accept some components of a Proposal while rejecting others.

2.1.1. Design-Build Components

The City is accepting Proposals addressing the following design-build requirements:

2.1.1.1. Design and build a new WWTP with a design capacity of 0.5 million gallons per day located within the fenced-in portion of the current WWTP site at approximately 38° 0'10.58"N & 86° 8'51.87"W, as depicted in Attachment A (New WWTP Site Map). The new plant must utilize the same discharge pipes and outfall in the Ohio River as the current site as outlined in Attachment B (Discharge Map). The outfall must meet the discharge standards in Attachment C (Preliminary Limits Letter). The City's flow rates for 2019 are attached in Attachment D (2019 Flow Rates).

2.1.1.2. Once the new WWTP is operational, the Private Partner must demolish and remove the existing WWTP from the site in order to provide Nucor with land suitable for construction.

2.1.1.3. The Private Partner must protect the primary pump station's electrical equipment from the risk of flooding. The pump station is located at approximately 38°00'17.0424"N & 86°09'56.57"W. Pictures of the pump station's electrical equipment are included in Attachment E (Pump Station Pictures).

2.1.1.4. Optional: The City will consider Proposals to operate and/or maintain the WWTP. As background, the City has two Public Works employees currently operating the WWTP.

2.1.1.5. Some public financing options, to include Kentucky Infrastructure Authority funds, have conditions that impact project costs and timelines, such as requiring projects comply with American Iron and Steel and Davis-Bacon wage requirements, among other requirements. Respondents should indicate the differences in the Project's costs and timeline if the City were to utilize private financing options instead of public financing options for this Project.

2.1.1.6. The Private Partner will be responsible for paying a 1% administration fee to offset the City's expenses for the professional services associated with this Project at financial closing.

2.1.1.7. The Private Partner must pay for a feasibility study that addresses all requirements in 200 KAR 5:355(2)(2). The City retains final approval authority over which entity conducts the study. The study must be complete within 14 days after negotiations are completed.

2.1.2. Finance Component

The City is accepting Proposals to finance the Project. The City retains the right to substitute its own financing options while accepting the remainder of the Respondent's Proposal.

Brandenburg's collections of sewer payments for 2019 are attached in Attachment F (2019 Sewer Collections).

2.1.3. Optional Components

The City is willing to entertain Proposals that address the following elements:

2.1.3.1. Replacing approximately 45,000 feet of clay tile piping.

2.1.3.2. Maintaining the entire wastewater system.

2.1.3.3. Other innovative solutions to meet the wastewater needs of the City.

2.2. Duties and Responsibilities of the Private Partner

The Private Partner will engage in the following duties and responsibilities, as applicable to the components agreed to by the parties:

2.2.1. Procure any required permits in coordination with the City and meet any other state or federal requirements. The Private Partner shall procure all necessary permits and licenses and abide by all applicable laws, regulations, and ordinances of all Federal, State, and local governments in which work under this contract is performed. The contractor

shall maintain certification of authority to conduct business in the Commonwealth of Kentucky during the term of this contract. Such registration is obtained from the Secretary of State, who will also provide the certification thereof. However, the contractor need not be registered as a prerequisite for responding to the RFP. Additional local registration or license may be required. The contractor shall pay any sales, use, and personal property taxes arising out of this contract and the transaction contemplated hereby. Any other taxes levied upon this contract, the transaction, or the equipment or services delivered pursuant hereto shall be borne by the Private Partner.

2.2.2. Provide performance and payment bonds on the design and construction portions of the agreement as required under KRS 45A.435 and KRS 65.028(5)(b).

2.2.3. Provide maintenance bonds, warranties, guarantees, and letters of credit in connection with the Private Partner's activities in the forms and amounts satisfactory to the City, as required under KRS 65.028(5)(b).

2.2.4. Provide City with access to the Private Partner's personnel, documents, and the Project sites for the purpose of monitoring construction progress and operational and maintenance performance, as agreed to be the parties and required under KRS 65.028(5)(d).

2.2.5. Maintain public liability insurance or self-insurance in a form and amount satisfactory to the City and reasonably sufficient to insure coverage of tort liability to the public and employees and to enable the continued operation of the Project, as required under KRS 65.028(5)(e).

2.2.6. Respond to contractual operational or maintenance requests within an agreed upon time.

2.2.7. Participate in scheduled reviews of the Project's performance with the City and its designees.

2.2.8. Reasonably respond to the City's requests for information on the Project's status.

2.2.9. The Private Partner will be responsible for training the City Public Works employees on any new technology introduced in the Project at no additional cost to the City.

2.3. Methods of Oversight to be Employed by Brandenburg

2.3.1. City employees, representatives, and other designees, to include outside consultants, will monitor the Project's progress and performance.

2.3.2. The City will request information from the Private Partners, inspect the Project sites, and interview personnel as necessary to ensure the Private Partner is meeting its obligations.

2.3.3. The City will hold regularly scheduled reviews of the Project's performance with the Private Partner.

2.4. Duties and Responsibilities of the City

The City will assume the following duties and responsibilities:

2.4.1. Oversee the Project as outlined in Section 2.3.

2.4.2. Coordinate with the Private Partner to apply for and secure any necessary permits or meet any other state or federal requirements.

2.4.3. Reasonably provide information as necessary for the Private Partner to meet its duties and responsibilities in Section 2.2 and the P3 Agreement.

SECTION III: SELECTION AND EVALUATION PROCESS

3.1. Process Overview

Respondents are asked to submit a detailed response to the RFP outlining their Proposal, along with specific information on their experience in operating similar projects and the expected elements of their development team.

It is anticipated that upon receiving the RFP responses, the City's Selection Committee will review submissions and select a set of finalists for competitive negotiations based upon best value, determined by the extent to which those submissions meet the standards and qualifications contained in the Evaluation Criteria. At the conclusion of that process, the Selection Committee will recommend one of the finalists or multiple finalists as the Private Partner(s) for this Project.

3.2. Initial Review

The Selection Committee will conduct an initial review of all submittals received for completeness. Proposals shall be completed in all respects as required by this RFP. A Proposal may be rejected if it is incomplete, contains any alterations or other irregularities of any kind, and will be rejected if any such defect or irregularity can materially affect the quality of the Proposal. Proposals, which contain false or misleading statements, may be rejected. If, in the opinion of the City and Selection Committee, such information was intended to mislead the Selection Committee in its evaluation of the Proposal, and the attribute, condition, or capability is a requirement of this RFP, the Proposal will be rejected. The Selection Committee also reserves the right to waive minor technicalities or irregularities in Proposals if such action is in the City's best interest. Such waiver shall in no way modify the RFP requirements or excuse the Respondent(s) from full compliance with the RFP and applicable law. Statements made by a potential Private Partner shall also be without ambiguity, and with adequate elaboration, where necessary, for clear understanding.

The Respondent, in responding to this RFP, must submit Proposals in the format identified in this RFP. The Proposal must address all requirements of the RFP even if a "no response" is appropriate. Costs for developing Proposals or in connection with any interview or negotiation related to this RFP are entirely the responsibility of the Respondent and shall not be chargeable to the City.

3.3. Evaluation

The City's Selection Committee will evaluate complete submittals based on the evaluation criteria, the small business preference, the reciprocal preference for resident bidders, and the qualified bidder preference, as outlined below. The Selection Committee will then select the

highest ranked Respondents to interview. The City reserves the right to request additional information from Respondents and may elect to visit Respondents' completed projects.

3.4. Selection of Private Partner

Following the interviews, the Selection Committee will recommend to the City the Respondent(s) for competitive negotiations. The City will select the final Proposal(s) that is most advantageous to the City.

3.5. Evaluation Criteria

3.5.1. Criteria for Design-Build Components and Optional Components

The City will rely on the following criteria and corresponding weights to evaluate Proposals addressing the design-build and optional components:

3.5.1.1. Technical Proposal Evaluation

Criteria	Maximum Points Possible
Private Partner Expertise and Experience	150
Technical Proposal/ Work Plan	250
Maximum Points Possible	**400**

3.5.1.2. Cost Proposal Evaluation

Criteria	Maximum Points Possible
Proposed Cost of Solutions	400
Maximum Points Possible	**400**

3.5.1.3. Oral Presentation

Criteria	Maximum Points Possible
Presentation	200
Maximum Points Possible	**200**

3.5.1.4. Total Proposal Evaluation

Criteria	Maximum Points Possible
Technical Proposal	400
Cost Proposal	400
Oral Presentation	200
Maximum Points Possible	**1000**

3.5.2. Criteria for Financing Component

The City will rely on the following criteria and weight to evaluate Proposals for the financing component:

3.5.2.1. Financial Proposal Evaluation

Criteria	Maximum Points Possible
Financial Terms	1000
Maximum Points Possible	**1000**

3.6. Small Business Preference

Preference will be given to a plan that includes the involvement of small businesses as subcontractors, to the extent that small businesses can provide services in a competitive manner, unless any preference interferes with the qualification for funds, as required under KRS 65.028(5)(k). Proposals must include a statement explaining the involvement of small businesses in the delivery of the Project or lack thereof.

3.7. Reciprocal Resident Bidder Preference

If the Selection Committee awards the same score to a resident bidder and a nonresident bidder, preference shall be given to the resident bidder, as required under KRS 65.027(2), KRS 45A.490 to 45A.494, and 200 KAR 5:400. Any Respondent claiming resident bidder status shall submit along with its response a notarized affidavit that affirms that it meets the criteria to be considered a resident bidder as set forth in KRS 45A.494(2).

3.8. Qualified Bidder Preference

Preference shall be given to qualified bidders, as required under KRS 45A.470. Any Respondent claiming qualified bidder status shall submit a notarized affidavit that affirms that it meets the criteria.

3.9. No Contract Guaranteed

Brandenburg reserves the right to request necessary modifications, reject all Proposals, reject any Proposal that does not meet any mandatory requirements under this RFP or applicable law, or cancel this process at any time prior to execution of the P3 Agreement, according to the best interests of the City.

3.10. Local Government P3 Board Review

The Commonwealth of Kentucky's Local Government P3 Board must review and approve any P3 Agreement with a total contractual value that exceeds 30% of Brandenburg's general fund revenues received in the previous year. The Local Government P3 Board is required to follow the procedures in KRS 65.028(12).

3.11. Legislative Approval Required

A contract will only take effect if approved by the Local Government P3 Board and executed by the Brandenburg City Council.

SECTION IV: SUBMISSION PROCESS

4.1. Proposal Contents

Proposals should be prepared in such a way as to provide a straightforward, concise presentation adequate to satisfy the requirements of this RFP. Emphasis should be concentrated on completeness and clarity. Respondents must sign and submit complete packages including the following in the order indicated to be considered:

1. Cover Letter
2. Private Partner Information
3. Private Partner Team Members
4. Experience and References
5. Financial History
6. Financial Statements
7. Proposal Description
8. Design Elements/Preliminary Architectural Renderings
9. Timeline
10. Budget

4.1.1. Private Partner Information

Include a summary statement highlighting the Respondent's respective key qualifications and experience.

Clearly identify the proposed Private Partner Team members and their respective roles and the individual team members to be dedicated to the Project. Identify the principal point of contact/Project manager who will be authorized to make representations on behalf of the Respondent.

4.1.2. Private Partner Team Members

Identify the Private Partner entity, each member of the Private Partner entity, each member's percentage of ownership of the Private Partner entity, each member's respective roles and responsibilities, mission statements, and the individual who represents each member. Indicate the managing member of the Private Partner, the financial partner, etc.

Provide an organizational chart that illustrates the members of the Private Partner entity.

Identify the person who will represent the Private Partner in meetings with the Public Parties, Shareholders, and the community, and provide description of position within the Private Partner Team.

Identify professional consultants, to the extent they are known at the time of submission, collaborating with the Private Partner Team.

4.1.3. Experience and References

Provide a description of projects that highlight the Private Partner Team's experience in comparable or analogous projects. Selected projects should include photographs to best

communicate the project vision. Please list references familiar with Private Partner's work.

Provide at least three (3) references, within the past five (5) years/seasons, of clients for whom services have been performed that are comparable in quality and scope to that specified in this RFP. The references shall include names, addresses and telephone numbers of the clients for whom the prior work was performed, and include an explanation of the services provided to these clients. Negative references may result in a reduction of points to Proposals.

4.1.4. Financial History

Indicate whether any member of the Private Partner Team or any partnership, joint venture, and/or LLC has ever declared bankruptcy or participated in a restructuring of debt commitments of a distressed property. If applicable, describe the project(s) and circumstance(s).

Include a sworn statement with the following text: "By signing this response to the Request for Proposals, I certify that I am in compliance with all state, federal and local laws and am not delinquent in paying any assessed and unprotested taxes levied by the federal, state or local government." If all members of the Private Partner Team cannot agree to this statement, explain why in a sworn statement.

4.1.5. Financial Statements

Respondents must provide either annual financial statements audited by independent certified public accountants demonstrating a viable going concern, or if not available, other financial statements, demonstrating to the satisfaction of the City, sufficient financial backing and ability to perform the Project.

Respondents must provide bank references for the Private Partner members. It must include name, address, and current telephone number of the given financial institution(s). This should include a signed authorization for release of financial information from each bank listed.

Respondents must disclose and explain any liens or lawsuits that have been filed against them within the past five (5) years.

4.1.6. Proposal Description

Submit a detailed description of how the Private Partner would address the mandatory elements and any optional elements outlined in Section 2.1. Respondents may include alternative Proposals addressing all, some, or none of the optional elements.

4.1.7. Design Elements/Architectural Renderings

Submit a detailed description of the design elements of the Proposal in compliance with Section 2.1. Submit preliminary architectural renderings of the Private Partner's Proposal.

4.1.8. Timeline

Provide a detailed Project timeline. Indicate any differences caused by financing the project with public or private funds.

4.1.9. Budget

Provide a detailed budget that clearly identifies the costs associated with each individual mandatory and optional element the Proposal addresses. Clearly indicate the differences in costs, where applicable, if the project were to be financed with public funds, such as Kentucky Infrastructure Authority funds, or private funds, to include any differences caused by American Iron and Steel and Davis-Bacon requirements.

4.2. Proprietary or Confidential Documents or Trade Secrets

If a Proposal contains documents the Respondent believes are proprietary, confidential or trade secrets, Respondents should identify the exempt information and the basis for such exemption under the Kentucky Open Records Act (KRS 61.870 to KRS 61.884) and submit an additional copy of the Proposal with the confidential or proprietary information redacted.

4.3. Distribution of Responses

In order to be considered for selection, Respondents should submit a complete response to the RFP. One (1) original, ten (ten) copies, and one (1) electronic copy of each response must be submitted. Proposals must be formatted as an 8-1/2" x 11" document, typed and arranged/divided in the sequence as indicated in Section 4.1 to facilitate evaluation. The Respondent shall make no other distribution of the responses.

The Responses should be placed in a sealed envelope or package for submittal marked "Brandenburg WWTP RFP." All responses shall be received and time-stamped in the Brandenburg City Hall no later than 3:00 p.m. (Eastern Time) on April 17, 2020. Proposals received after this time will not be opened.

4.4. Disposition of Proposals

All Proposals become the property of the City. The City reserves the right to use any and all of the ideas presented in any reply to this RFP. The successful Proposal shall be incorporated into the resulting contract by reference. Disposal of unsuccessful Proposals shall be at the discretion of the City.

4.5. Restrictions on Communications

The RFP Point of Contact named on the Cover Sheet shall be the sole point of contact throughout the procurement process. All communications, oral and written (regular, express, or electronic mail, or fax), concerning this procurement shall be addressed to the RFP Point of Contact.

4.6. Anticipated Schedule

The anticipated dates for this Project are as outlined herein. The City may revise these dates as it deems necessary or appropriate.

Issuance of RFP:	February 18, 2020
Mandatory Pre-Proposal Meeting:	March 16, 2020

Final Written Questions Due:	April 3, 2020
Brandenburg's Response to Final Set of Written Questions:	April 10, 2020
Private Partner Proposal Due:	April 17, 2020
Short list of Private Partner Interviews:	April 27-May 1, 2020
Selection of Private Partner:	Week of May 11, 2020

4.7. Mandatory Pre-Proposal Meeting

A mandatory pre-proposal meeting and site visit shall be held to review this RFP. All questions submitted in writing prior to the meeting will be answered at this time in addition to any questions Respondents ask during the pre-proposal meeting. All participants planning on submitting a Proposal addressing the design-build or optional components shall be present at the mandatory pre-proposal meeting that will be held at the Brandenburg City Hall, starting promptly at 10:00 a.m. (ET). Proposals only addressing the financing component are invited but not required to attend the pre-proposal meeting.

4.8. Written Questions Regarding this RFP

Respondents are encouraged to submit written questions to the RFP Point of Contact via email at BrandenburgRFP@gmail.com. No questions shall be accepted after the date listed in Section 4.6 unless the question(s) is considered material to the procurement.

The City shall respond to salient questions in writing on a rolling basis by issuing an addendum to the solicitation. Addenda shall be posted to the City website at https://brandenburg.ky.gov/Pages/Announcements.aspx. Respondent agrees that Brandenburg will not be responsible for any oral responses.

4.9. Access to Solicitation, RFP, and Addenda

The City wants each prospective Respondent to have full and complete information on which to base a Proposal response. Respondents should only rely on the written information in this RFP, attachments, and addenda and not on any oral responses. The solicitation, addenda, and attachments shall be posted to Brandenburg's RFP site at https://brandenburg.ky.gov/Pages/Announcements.aspx. In the event of any conflict or variation between the solicitation or modification as issued by the City and the Respondent's response, the version as issued shall prevail.

4.10. Acknowledgment of Addenda

It is the Respondent's responsibility to check the web site for any modifications to this solicitation. Respondents are encouraged to acknowledge each addendum by signing and submitting the latest addendum with their response. However, signing the face of the solicitation constitutes the Respondent's acknowledgement of and agreement to be bound by the terms of all addenda issued.

Failure to specifically acknowledge addenda will not excuse the Respondent from adhering to all changes to the requirements of the solicitation set forth therein nor provide justification for any pricing changes.

SECTION V: REQUIRED CONTRACT TERMS

By responding to this RFP, Respondents agree to the following terms in the P3 Agreement:

5.1. Contract Components and Order of Precedence

The City's acceptance of the Private Partner's offer in response to the solicitation, indicated by signing the P3 Agreement, shall create a valid contract between the Parties consisting of the following:

1. Any written Agreement between the Parties;
2. Any Addenda to the RFP;
3. The RFP and all attachments;
4. Procurement Statutes, Regulations, Policies, and Ordinances;
5. Any Best and Final Offer;
6. Any clarifications concerning the Respondent's Proposal in response to the RFP;
7. The Respondent's Proposal in response to the Solicitation.

In the event of any conflict between or among the provisions contained in the contract, the order of precedence shall be as enumerated above.

5.2. Final Agreement

The contract represents the entire agreement between the parties with respect to the subject matter hereof. Prior negotiations, representations, or agreements, either written or oral, between the parties hereto relating to the subject matter hereof shall be of no effect upon this contract.

5.3. Contract Provisions

If any provision of this contract (including items incorporated by reference) is declared or found to be illegal, unenforceable, or void, then both the City and the Private Partner shall be relieved of all obligations arising under such provision. If the remainder of this contract is capable of performance, it shall not be affected by such declaration or finding and shall be fully performed.

5.4. Modifications and Waivers

No modification, change, or waiver of any provision in the contract shall be made, or construed to have been made, unless such modification or waiver is mutually agreed to in writing by the Private Partner and the City, and incorporated as a written amendment to the contract.

Memorandum of understanding, written clarification, and/or correspondence shall not be construed as amendments to the contract.

If the contractor finds at any time that existing conditions made modification of the contract necessary, it shall promptly report such matters to the City for consideration and decision.

5.5. Changes in Scope

The City may, at any time by written order, make changes within the general scope of the contract. No changes in scope are to be conducted except at the approval of the City.

5.6. Contract Conformance

If the City determines that deliverables due under the contract are not in conformance with the terms and conditions of the contract and the mutually agreed-upon Project plan, the City may request the Private Partner to deliver assurances in the form of additional contractor resources and to demonstrate that other major schedules will not be affected. The City shall determine the quantity and quality of such additional resources and failure to comply may constitute default by the Private Partner. The City reserves the right to award any contract to the next highest scoring Respondent, if the successful Respondent does not execute within a specified deadline the contract after selection of a preferred Private Partner.

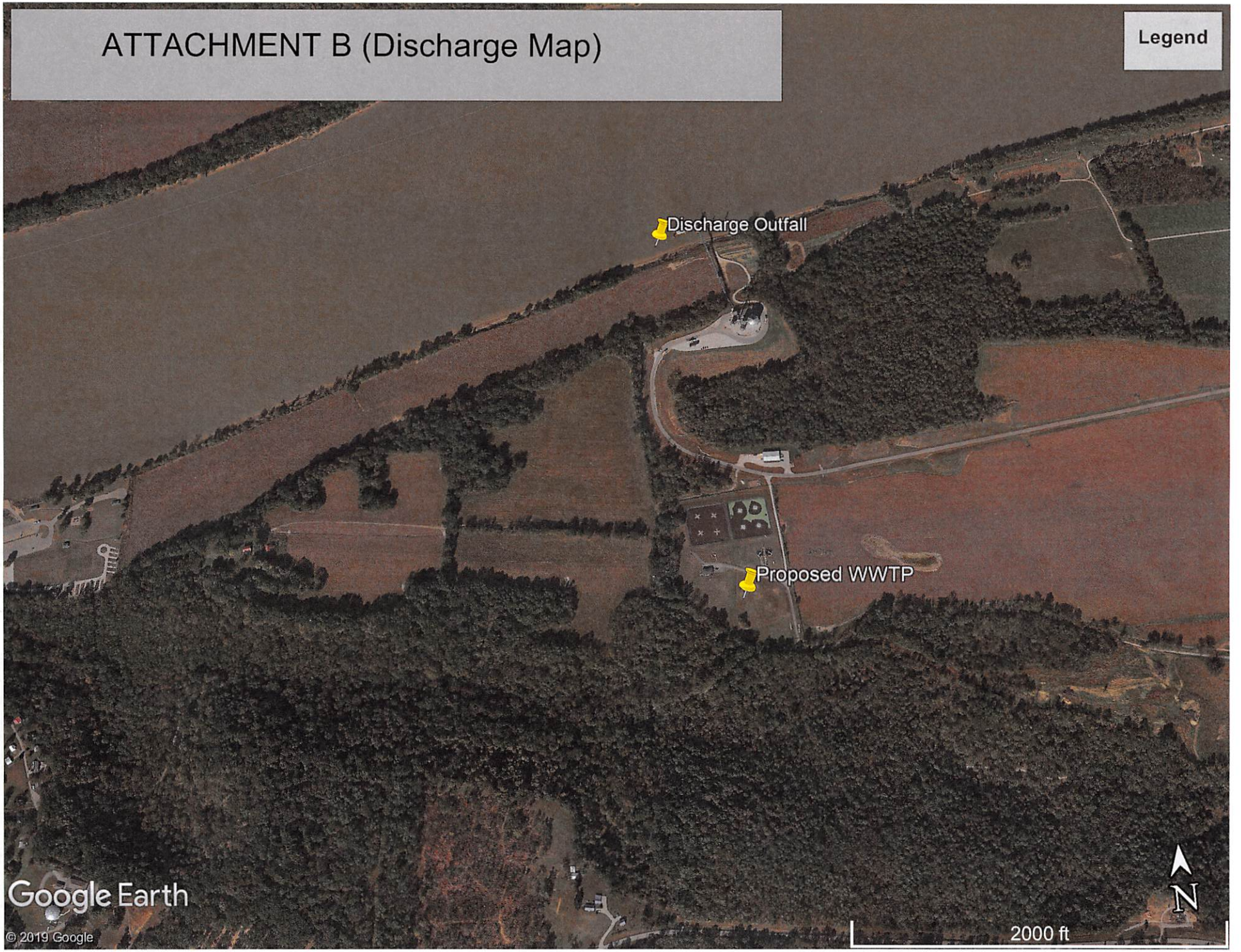
5.7. Assignment

The contract shall not be assigned in whole or in part without the prior written consent of the City.

5.8. Conformance with Laws and Regulations

This contract is subject to the laws of the Commonwealth of Kentucky and, where applicable, Federal law. Any litigation with respect to this contract shall be brought in state or federal court in Meade County, Kentucky.


Attachment A
New WWTP Site Map
38° 0'10.58"N
86° 8'51.87"W
Proposed WWTP Site
Google Earth
© 2020 Google
N
700 ft


ATTACHMENT B (Discharge Map)
Legend
Discharge Outfall
Proposed WWTP
Google Earth
© 2019 Google
N
2000 ft

Attachment C
(Preliminary Limits Letter)

ANDY BESHEAR
GOVERNOR

REBECCA W. GOODMAN
SECRETARY

ANTHONY R. HATTON
COMMISSIONER

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601
TELEPHONE: 502-564-2150
TELEFAX: 502-564-4245

January 23, 2020

Jason Halligan, Attorney at Law
Frost Brown Todd, Attorneys
Lexington Financial Center
250 West Main St., Suite 2800
Lexington, KY 40507

Re: Brandenburg WWTP
Preliminary Permit Limits Request
KPDES Permit No: KY0021474
AI: 3115
Meade County, Kentucky

Dear Mr. Halligan:

This letter is in response to your recent correspondence with the Division of Water (received 1/17/20), requesting preliminary limits for construction of a new wastewater treatment plant, located on the Ohio River (38.009722°, -86.148604°) at r.m.i. 643.2. The proposed new treatment plant will have an increased design capacity of 0.5 MGD, and exist on the same parcel of land as the current plant. It will also discharge at the same point as the current plant.

For the new Brandenburg WWTP, operating at 0.5 MGD, the following limits are applicable:

Pollutant	Summer Limits (mg/l)	Winter Limits (mg/l)
BOD_5 (Effluent)	30	30
BOD_5 (Influent)	Monitoring	Monitoring
Total Suspended Solids (Effluent)	30	30
Total Suspended Solids (Influent)	Monitoring	Monitoring
Ammonia, as N	20	20
Dissolved Oxygen	2.0	2.0
Total Phosphorus	Monitoring	Monitoring
Total Nitrogen	Monitoring	Monitoring
pH (min/max)	6.0	9.0
Total Residual Chlorine (if used)	0.011	0.011
Reliability Rating	C	

In addition to the above limits, the monthly average and maximum weekly average values of Escherichia coli shall be at or below 130 colonies per 100 milliliters or 240 colonies per 100 milliliters, respectively, the year around. If a form of chlorine is proposed to disinfect the wastewater, then de-chlorination will likely be needed to achieve the chlorine residual effluent concentration. Additional effluent limitations and water quality standards are contained in 401 KAR Chapter 5 and 401 KAR Chapter 10.

These preliminary design effluent limitations are valid for one (1) year from the date of this letter, and are subject to change as a result of additional information which may be presented during the public notice phase of the Kentucky Pollutant Discharge Elimination System (KPDES) permitting process. As such, this letter does not convey any authorization or approval to proceed with the construction or operation of the proposed WWTP. Construction and KPDES permit applications must be submitted to request such authorization or approval. Nor does this letter ensure issuance of either permit. During the review processes of these permits the Division of Water will further evaluate the viability of the project.

Should you have any questions regarding this letter, please contact me at (502) 782-6946 or E-mail at matthew.fields@ky.gov.

1/23/2020

X Matthew Fields

Matthew Fields
WLA Coordinator, DOW
Signed by: Matthew Fields

Attachment D (2019 Flow Rates)

January	
Date	Flow
1	0.490
2	0.223
3	0.206
4	0.209
5	0.281
6	0.233
7	0.209
8	0.178
9	0.223
10	0.203
11	0.190
12	0.230
13	0.220
14	0.276
15	0.203
16	0.221
17	0.218
18	0.238
19	0.224
20	0.423
21	0.241
22	0.203
23	0.226
24	0.402
25	0.249
26	0.212
27	0.216
28	0.202
29	0.221
30	0.220
31	0.081
TOTAL	**7.371**
AVERAGE	**0.238**

February	
Date	Flow
1	0.341
2	0.227
3	0.234
4	0.234
5	0.221
6	0.227
7	0.313
8	0.486
9	0.205
10	0.311
11	0.607
12	0.669
13	0.362
14	0.367
15	0.308
16	0.302
17	0.264
18	0.235
19	0.342
20	0.246
21	0.574
22	0.288
23	0.239
24	0.451
25	0.293
26	0.230
27	0.234
28	0.244
TOTAL	**9.054**
AVERAGE	**0.323**

March	
Date	Flow
1	0.260
2	0.223
3	0.223
4	0.226
5	0.200
6	0.206
7	0.201
8	0.208
9	0.237
10	0.402
11	0.228
12	0.208
13	0.222
14	0.236
15	0.375
16	0.234
17	0.201
18	0.208
19	0.170
20	0.204
21	0.241
22	0.223
23	0.223
24	0.203
25	0.233
26	0.294
27	0.207
28	0.204
29	0.227
30	0.213
31	0.590
TOTAL	**7.530**
AVERAGE	**0.243**

April	
Date	Flow
1	0.234
2	0.187
3	0.177
4	0.187
5	0.216
6	0.217
7	0.207
8	0.269
9	0.239
10	0.220
11	0.206
12	0.228
13	0.228
14	0.306
15	0.321
16	0.175
17	0.169
18	0.195
19	0.389
20	0.582
21	0.541
22	0.197
23	0.186
24	0.214
25	0.279
26	0.367
27	0.248
28	0.194
29	0.191
30	0.218
TOTAL	**7.587**
AVERAGE	**0.253**

May	
Date	Flow
1	0.234
2	0.203
3	0.242
4	0.364
5	0.272
6	0.210

June	
Date	Flow
1	0.212
2	0.197
3	0.186
4	0.175
5	0.210
6	0.286

July	
Date	Flow
1	0.457
2	0.290
3	0.197
4	0.205
5	0.183
6	0.201

August	
Date	Flow
1	0.200
2	0.220
3	0.230
4	0.205
5	0.194
6	0.173

7	0.212
8	0.217
9	0.225
10	0.230
11	0.210
12	0.236
13	0.200
14	0.206
15	0.205
16	0.229
17	0.232
18	0.245
19	0.228
20	0.233
21	0.196
22	0.222
23	0.239
24	0.225
25	0.208
26	0.203
27	0.455
28	0.258
29	0.219
30	0.384
31	0.323
TOTAL	**7.565**
AVERAGE	**0.244**

7	0.255
8	0.334
9	0.557
10	0.518
11	0.233
12	0.199
13	0.211
14	0.189
15	0.203
16	0.217
17	0.514
18	0.431
19	0.322
20	0.262
21	0.229
22	0.299
23	0.343
24	0.311
25	0.360
26	0.193
27	0.160
28	0.153
29	0.191
30	0.178
TOTAL	**8.128**
AVERAGE	**0.271**

7	0.172
8	0.246
9	0.175
10	0.184
11	0.225
12	0.189
13	0.184
14	0.194
15	0.209
16	0.203
17	0.269
18	0.286
19	0.221
20	0.257
21	0.239
22	0.262
23	0.314
24	0.206
25	0.180
26	0.191
27	0.215
28	0.209
29	0.227
30	0.247
31	0.225
TOTAL	**7.062**
AVERAGE	**0.228**

7	0.541
8	0.532
9	0.241
10	0.208
11	0.201
12	0.245
13	0.312
14	0.244
15	0.219
16	0.209
17	0.224
18	0.197
19	0.240
20	0.236
21	0.262
22	0.299
23	0.250
24	0.209
25	0.297
26	0.371
27	0.282
28	0.240
29	0.215
30	0.218
31	0.242
TOTAL	**7.956**
AVERAGE	**0.257**

September	
Date	**Flow**
1	0.201
2	0.209
3	0.226
4	0.233
5	0.217
6	0.199
7	0.207
8	0.192
9	0.215
10	0.218
11	0.217
12	0.257
13	0.247
14	0.216
15	0.220
16	0.239

October	
Date	**Flow**
1	0.256
2	0.264
3	0.258
4	0.221
5	0.231
6	0.348
7	0.265
8	0.206
9	0.228
10	0.193
11	0.271
12	0.204
13	0.201
14	0.218
15	0.268
16	0.247

November	
Date	**Flow**
1	0.271
2	0.273
3	0.223
4	0.220
5	0.199
6	0.237
7	0.291
8	0.208
9	0.184
10	0.184
11	0.212
12	0.185
13	0.185
14	0.196
15	0.185
16	0.183

December	
Date	**Flow**
1	0.498
2	0.231
3	0.210
4	0.208
5	0.203
6	0.215
7	0.195
8	0.215
9	0.249
10	0.198
11	0.201
12	0.208
13	0.238
14	0.219
15	0.235
16	0.394

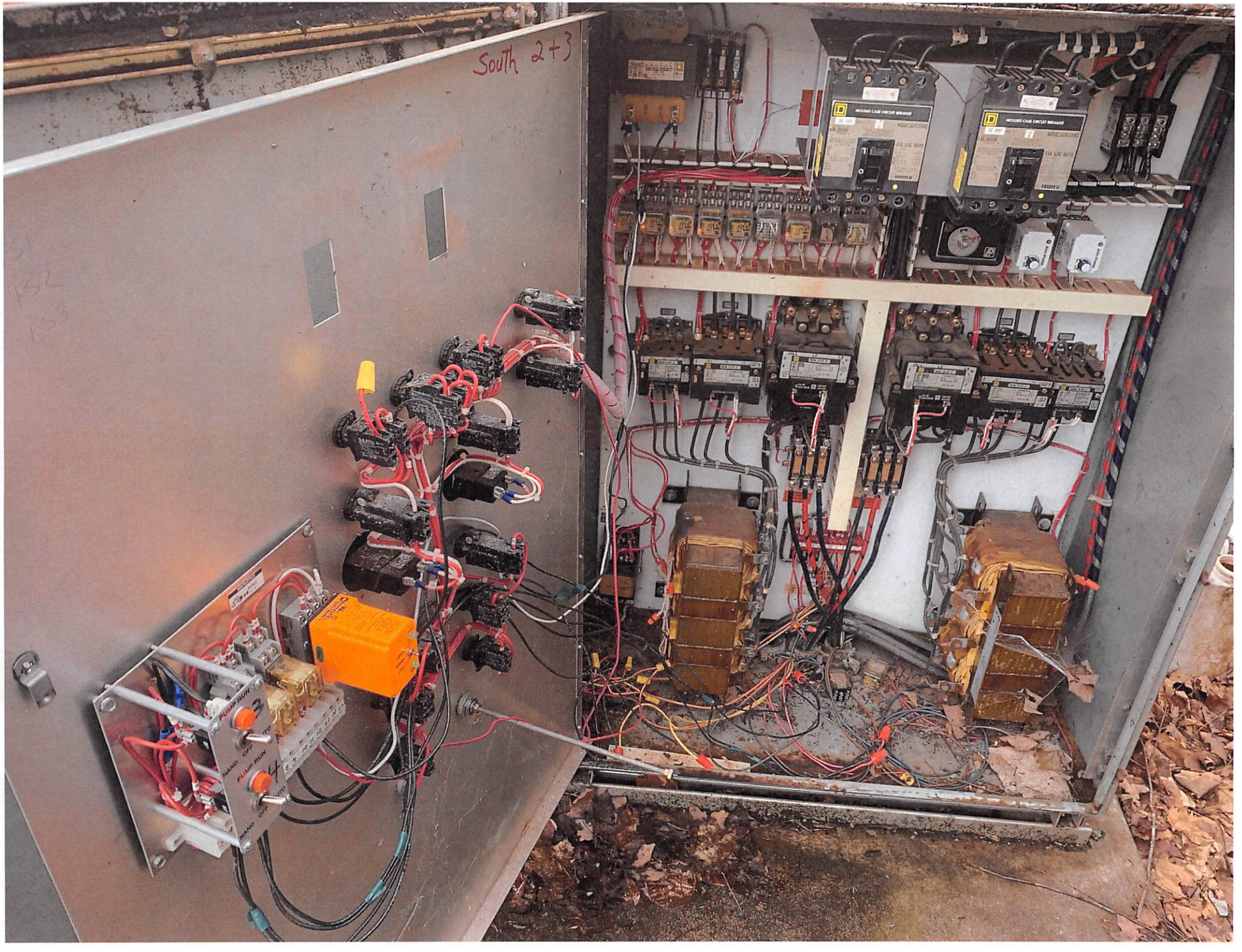
17	0.235
18	0.238
19	0.230
20	0.044
21	0.027
22	0.135
23	0.552
24	0.318
25	0.224
26	0.219
27	0.221
28	0.241
29	0.240
30	0.248
TOTAL	**6.685**
AVERAGE	**0.223**

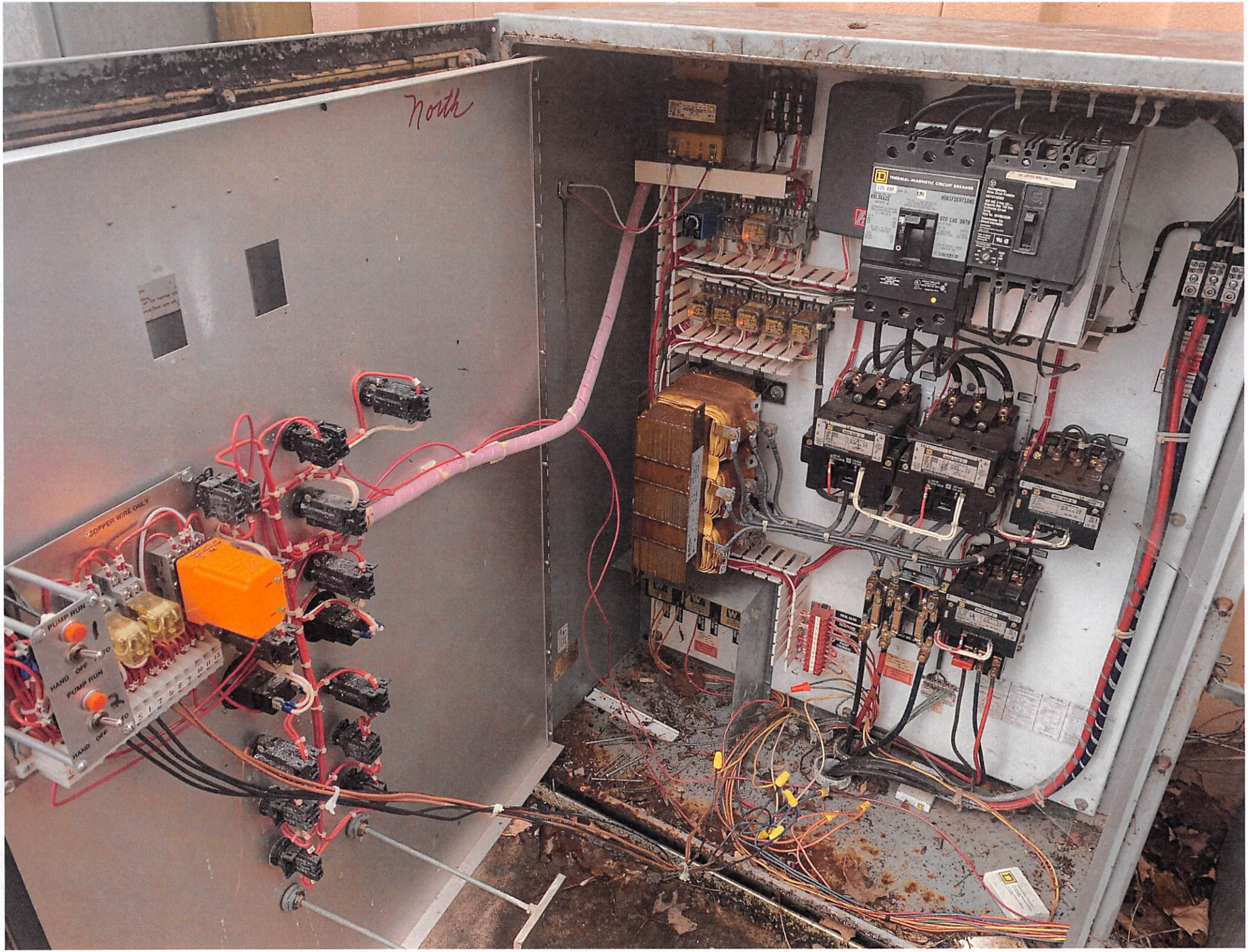
17	0.224
18	0.217
19	0.241
20	0.218
21	0.254
22	0.222
23	0.218
24	0.189
25	0.238
26	0.293
27	0.287
28	0.251
29	0.223
30	0.279
31	0.274
TOTAL	**7.507**
AVERAGE	**0.242**

17	0.194
18	0.196
19	0.205
20	0.195
21	0.205
22	0.251
23	0.230
24	0.192
25	0.185
26	0.256
27	0.347
28	0.221
29	0.259
30	0.675
TOTAL	**7.047**
AVERAGE	**0.235**

17	0.296
18	0.218
19	0.214
20	0.210
21	0.221
22	0.199
23	0.214
24	0.200
25	0.184
26	0.203
27	0.222
28	0.231
29	0.394
30	0.246
31	0.168
TOTAL	**7.337**
AVERAGE	**0.237**

Attachment E
Pump Station Pictures


South 2+3
MOLDED CASE CIRCUIT BREAKER
MOLDED CASE CIRCUIT BREAKER
PUMP RUN
HAND OFF AUTO
PUMP RUN
HAND OFF AUTO


North
COPPER WIRE ONLY
PUMP RUN
HAND OFF
PUMP RUN
HAND OFF
THERMAL-MAGNETIC CIRCUIT BREAKER

ATTACHMENT F
(2019 Sewer Collections)

1:18 PM
02/11/20
Accrual Basis

City of Brandenburg - Revenue Fund
Transaction Detail By Account
January 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	01/03/2019		Deposit		Meade Co...	2,703.64	2,703.64
Deposit	01/04/2019		Deposit		Checking -...	620.01	3,323.65
Deposit	01/07/2019		Deposit		Meade Co...	3,930.96	7,254.61
Deposit	01/09/2019		Deposit		Meade Co...	3,325.42	10,580.03
Deposit	01/11/2019		Deposit		Checking -...	960.01	11,540.04
Deposit	01/11/2019		Deposit		Meade Co...	7,756.41	19,296.45
Deposit	01/14/2019		Deposit		Meade Co...	6,767.32	26,063.77
Deposit	01/14/2019		Deposit		Meade Co...	4,014.67	30,078.44
Deposit	01/16/2019		Deposit		Checking -...	1,752.82	31,831.26
Deposit	01/16/2019		Deposit		Meade Co...	3,177.34	35,008.60
Deposit	01/25/2019		Deposit		Checking -...	1,528.98	36,537.58
Deposit	01/28/2019		Deposit		Meade Co...	2,653.43	39,191.01
Deposit	01/28/2019		Deposit		Checking -...	628.28	39,819.29
Deposit	01/28/2019		Deposit		Meade Co...	1,370.26	41,189.55
Deposit	01/31/2019		Deposit		Checking -...	69.55	41,259.10
Total SEWER REVENUE						41,259.10	41,259.10
Total Total Charges for Services						41,259.10	41,259.10
TOTAL						**41,259.10**	**41,259.10**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
February 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	02/01/2019		Deposit		Meade Co...	32.77	32.77
Deposit	02/06/2019		Deposit		Meade Co...	2,258.03	2,290.80
Deposit	02/08/2019		Deposit		Checking -...	755.88	3,046.68
Deposit	02/08/2019		Deposit		Meade Co...	2,696.75	5,743.43
Deposit	02/11/2019		Deposit		Meade Co...	4,522.46	10,265.89
Deposit	02/13/2019		Deposit		Meade Co...	3,942.79	14,208.68
Deposit	02/15/2019		Deposit		Checking -...	2,423.19	16,631.87
Deposit	02/15/2019		Deposit		Meade Co...	6,827.34	23,459.21
Deposit	02/15/2019		Deposit		Meade Co...	7,553.80	31,013.01
Deposit	02/19/2019		Deposit		Checking -...	835.96	31,848.97
Deposit	02/20/2019		Deposit		Meade Co...	3,532.70	35,381.67
Deposit	02/26/2019		Deposit		Checking -...	2,148.57	37,530.24
Deposit	02/26/2019		Deposit		Meade Co...	1,867.21	39,397.45
Deposit	02/27/2019		Deposit		Checking -...	261.50	39,658.95
Deposit	02/27/2019		Deposit		Meade Co...	598.32	40,257.27
Total SEWER REVENUE						40,257.27	40,257.27
Total Total Charges for Services						40,257.27	40,257.27
TOTAL						**40,257.27**	**40,257.27**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
March 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	03/05/2019		Deposit		Meade Co...	2,081.37	2,081.37
Deposit	03/08/2019		Deposit		Meade Co...	2,821.49	4,902.86
Deposit	03/11/2019		Deposit		Meade Co...	7,926.05	12,828.91
Deposit	03/11/2019		Deposit		Checking -...	1,471.10	14,300.01
Deposit	03/13/2019		Deposit		Meade Co...	4,246.78	18,546.79
Deposit	03/15/2019		Deposit		Meade Co...	6,921.80	25,468.59
Deposit	03/15/2019		Deposit		Meade Co...	8,921.57	34,390.16
Deposit	03/18/2019		Deposit		Checking -...	2,283.08	36,673.24
Deposit	03/18/2019		Deposit		Meade Co...	1,993.10	38,666.34
Deposit	03/25/2019		Deposit		Checking -...	1,654.26	40,320.60
Deposit	03/25/2019		Deposit		Checking -...	470.99	40,791.59
Deposit	03/26/2019		Deposit		Meade Co...	2,705.38	43,496.97
Deposit	03/29/2019		Deposit		Meade Co...	58.72	43,555.69
Deposit	03/29/2019		Deposit		Checking -...	210.34	43,766.03
Total SEWER REVENUE						43,766.03	43,766.03
Total Total Charges for Services						43,766.03	43,766.03
TOTAL						**43,766.03**	**43,766.03**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
April 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	04/04/2019		Deposit		Meade Co...	2,074.97	2,074.97
Deposit	04/09/2019		Deposit		Meade Co...	5,487.85	7,562.82
Deposit	04/10/2019		Deposit		Checking -...	1,041.00	8,603.82
Deposit	04/10/2019		Deposit		Meade Co...	7,037.14	15,640.96
Deposit	04/15/2019		Deposit		Checking -...	1,366.20	17,007.16
Deposit	04/15/2019		Deposit		Meade Co...	4,245.73	21,252.89
Deposit	04/16/2019		Deposit		Meade Co...	6,362.72	27,615.61
Deposit	04/16/2019		Deposit		Checking -...	468.85	28,084.46
Deposit	04/16/2019		Deposit		Meade Co...	5,869.02	33,953.48
Deposit	04/25/2019		Deposit		Checking -...	945.78	34,899.26
Deposit	04/25/2019		Deposit		Meade Co...	2,324.79	37,224.05
Deposit	04/26/2019		Deposit		Meade Co...	755.32	37,979.37
Deposit	04/26/2019		Deposit		Checking -...	433.13	38,412.50
Deposit	04/30/2019		Deposit		Checking -...	65.60	38,478.10
Total SEWER REVENUE						38,478.10	38,478.10
Total Total Charges for Services						38,478.10	38,478.10
TOTAL						**38,478.10**	**38,478.10**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
May 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	05/01/2019		Deposit		Meade Co...	51.07	51.07
Deposit	05/06/2019		Deposit		Meade Co...	2,732.02	2,783.09
Deposit	05/08/2019		Deposit		Checking -...	932.83	3,715.92
Deposit	05/09/2019		Deposit		Meade Co...	4,370.62	8,086.54
Deposit	05/13/2019		Deposit		Meade Co...	9,114.63	17,201.17
Deposit	05/15/2019		Deposit		Checking -...	1,323.26	18,524.43
Deposit	05/15/2019		Deposit		Meade Co...	3,527.29	22,051.72
Deposit	05/16/2019		Deposit		Checking -...	784.44	22,836.16
Deposit	05/16/2019		Deposit		Meade Co...	6,759.31	29,595.47
Deposit	05/16/2019		Deposit		Meade Co...	6,664.71	36,260.18
Deposit	05/23/2019		Deposit		Checking -...	1,079.27	37,339.45
Deposit	05/28/2019		Deposit		Checking -...	705.06	38,044.51
Deposit	05/28/2019		Deposit		Meade Co...	3,114.31	41,158.82
Deposit	05/31/2019		Deposit		Checking -...	209.51	41,368.33
Total SEWER REVENUE						41,368.33	41,368.33
Total Total Charges for Services						41,368.33	41,368.33
TOTAL						**41,368.33**	**41,368.33**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
June 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	06/03/2019		Deposit		Meade Co...	119.30	119.30
Deposit	06/07/2019		Deposit		Checking -...	722.33	841.63
Deposit	06/07/2019		Deposit		Meade Co...	2,628.67	3,470.30
Deposit	06/11/2019		Deposit		Meade Co...	7,069.98	10,540.28
Deposit	06/13/2019		Deposit		Meade Co...	6,816.29	17,356.57
Deposit	06/13/2019		Conncecti...		Meade Co...	750.00	18,106.57
Deposit	06/14/2019		Deposit		Checking -...	1,138.43	19,245.00
Deposit	06/14/2019		Deposit		Meade Co...	7,192.66	26,437.66
Deposit	06/17/2019		Deposit		Meade Co...	8,029.62	34,467.28
Deposit	06/17/2019		Deposit		Checking -...	1,130.65	35,597.93
Deposit	06/17/2019		Deposit		Meade Co...	6,463.21	42,061.14
Deposit	06/21/2019		Deposit		Checking -...	1,473.84	43,534.98
Deposit	06/26/2019		Deposit		Checking -...	839.13	44,374.11
Deposit	06/26/2019		Deposit		Meade Co...	4,897.76	49,271.87
Total SEWER REVENUE						49,271.87	49,271.87
Total Total Charges for Services						49,271.87	49,271.87
TOTAL						**49,271.87**	**49,271.87**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
July 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	07/02/2019		Deposit		Meade Co...	1,396.37	1,396.37
Deposit	07/08/2019		Deposit		Meade Co...	4,631.44	6,027.81
Deposit	07/10/2019		cc		Checking -...	425.18	6,452.99
Deposit	07/10/2019		Deposit		Meade Co...	7,537.16	13,990.15
Deposit	07/10/2019		Deposit		Meade Co...	3,755.35	17,745.50
Deposit	07/11/2019		Deposit		Meade Co...	5,518.24	23,263.74
Deposit	07/15/2019		Deposit		Checking -...	1,432.86	24,696.60
Deposit	07/15/2019		Deposit		Meade Co...	3,227.05	27,923.65
Deposit	07/15/2019		Deposit		Meade Co...	7,481.38	35,405.03
Deposit	07/16/2019		Deposit		Checking -...	608.31	36,013.34
Deposit	07/16/2019		Deposit		Meade Co...	1,250.77	37,264.11
Deposit	07/22/2019		Deposit		Checking -...	1,339.27	38,603.38
Deposit	07/26/2019		Deposit		Checking -...	1,054.25	39,657.63
Deposit	07/26/2019		Deposit		Meade Co...	3,147.61	42,805.24
Deposit	07/26/2019		Deposit		Meade Co...	733.78	43,539.02
Deposit	07/29/2019		Deposit		Checking -...	111.18	43,650.20
Deposit	07/29/2019		Deposit		Meade Co...	437.36	44,087.56
Total SEWER REVENUE						44,087.56	44,087.56
Total Total Charges for Services						44,087.56	44,087.56
TOTAL						**44,087.56**	**44,087.56**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
August 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	08/06/2019		Deposit		Meade Co...	2,113.29	2,113.29
Deposit	08/07/2019		Deposit		Checking -...	786.20	2,899.49
Deposit	08/08/2019		Deposit		Meade Co...	3,842.30	6,741.79
Deposit	08/08/2019		G Hartlag...		Meade Co...	750.00	7,491.79
Deposit	08/14/2019		Deposit		Meade Co...	8,142.05	15,633.84
Deposit	08/14/2019		Deposit		Checking -...	902.86	16,536.70
Deposit	08/15/2019		Deposit		Meade Co...	3,715.91	20,252.61
Deposit	08/15/2019		Deposit		Checking -...	1,237.78	21,490.39
Deposit	08/16/2019		Deposit		Meade Co...	7,567.42	29,057.81
Deposit	08/16/2019		Deposit		Meade Co...	5,676.44	34,734.25
Deposit	08/16/2019		Deposit		Meade Co...	3,517.95	38,252.20
Deposit	08/22/2019		Deposit		Checking -...	885.53	39,137.73
Deposit	08/26/2019		Deposit		Checking -...	1,404.33	40,542.06
Deposit	08/26/2019		Deposit		Meade Co...	3,958.08	44,500.14
Deposit	08/29/2019		Deposit		Checking -...	460.24	44,960.38
Deposit	08/29/2019		Deposit		Meade Co...	131.27	45,091.65
Total SEWER REVENUE						45,091.65	45,091.65
Total Total Charges for Services						45,091.65	45,091.65
TOTAL						**45,091.65**	**45,091.65**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
September 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	09/05/2019		Deposit		Meade Co...	2,393.29	2,393.29
Deposit	09/05/2019		Deposit		Meade Co...	750.00	3,143.29
Deposit	09/06/2019		Deposit		Checking -...	794.06	3,937.35
Deposit	09/11/2019		Deposit		Meade Co...	3,939.61	7,876.96
Deposit	09/11/2019		Deposit		Meade Co...	2,586.19	10,463.15
Deposit	09/11/2019		Deposit		Meade Co...	5,534.72	15,997.87
Deposit	09/13/2019		Deposit		Checking -...	1,487.28	17,485.15
Deposit	09/13/2019		Deposit		Meade Co...	9,048.58	26,533.73
Deposit	09/13/2019		Deposit		Meade Co...	6,138.96	32,672.69
Deposit	09/13/2019		Deposit		Meade Co...	6,326.63	38,999.32
Deposit	09/16/2019		Deposit		Checking -...	81.91	39,081.23
Deposit	09/16/2019		Deposit		Checking -...	1,308.61	40,389.84
Deposit	09/16/2019		Deposit		Meade Co...	5,838.73	46,228.57
Deposit	09/23/2019		Deposit		Checking -...	1,379.18	47,607.75
Deposit	09/26/2019		Deposit		Checking -...	955.04	48,562.79
Deposit	09/26/2019		Deposit		Meade Co...	3,585.21	52,148.00
Deposit	09/30/2019		Deposit		Checking -...	274.96	52,422.96
Deposit	09/30/2019		Deposit		Meade Co...	103.94	52,526.90
Total SEWER REVENUE						52,526.90	52,526.90
Total Total Charges for Services						52,526.90	52,526.90
TOTAL						**52,526.90**	**52,526.90**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
October 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	10/04/2019		Deposit		Meade Co...	2,781.97	2,781.97
Deposit	10/08/2019		Deposit		Meade Co...	3,878.68	6,660.65
Deposit	10/08/2019		Deposit		Checking -...	1,141.12	7,801.77
Deposit	10/11/2019		Deposit		Meade Co...	3,952.79	11,754.56
Deposit	10/15/2019		Deposit		Meade Co...	7,976.60	19,731.16
Deposit	10/15/2019		Deposit		Checking -...	1,387.24	21,118.40
Deposit	10/15/2019		Deposit		Meade Co...	9,598.83	30,717.23
Deposit	10/15/2019		Deposit		Meade Co...	2,741.85	33,459.08
Deposit	10/16/2019		Deposit		Checking -...	499.96	33,959.04
Deposit	10/16/2019		Deposit		Meade Co...	6,504.99	40,464.03
Deposit	10/22/2019		Deposit		Checking -...	1,096.49	41,560.52
Deposit	10/22/2019		Deposit		Meade Co...	2,330.90	43,891.42
Deposit	10/25/2019		Deposit		Checking -...	1,094.40	44,985.82
Deposit	10/28/2019		Deposit		Checking -...	498.89	45,484.71
Deposit	10/28/2019		Deposit		Meade Co...	2,673.94	48,158.65
Deposit	10/30/2019		Deposit		Checking -...	17.16	48,175.81
Total SEWER REVENUE						48,175.81	48,175.81
Total Total Charges for Services						48,175.81	48,175.81
TOTAL						**48,175.81**	**48,175.81**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
November 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	11/01/2019		Deposit		Meade Co...	49.31	49.31
Deposit	11/06/2019		Deposit		Checking -...	750.18	799.49
Deposit	11/06/2019		Deposit		Meade Co...	2,123.25	2,922.74
Deposit	11/12/2019		Deposit		Meade Co...	2,677.05	5,599.79
Deposit	11/12/2019		Deposit		Meade Co...	5,636.98	11,236.77
Deposit	11/14/2019		Deposit		Checking -...	1,161.99	12,398.76
Deposit	11/14/2019		Deposit		Meade Co...	9,078.79	21,477.55
Deposit	11/15/2019		Deposit		Checking -...	974.68	22,452.23
Deposit	11/15/2019		Deposit		Meade Co...	8,271.82	30,724.05
Deposit	11/15/2019		Deposit		Meade Co...	3,789.20	34,513.25
Deposit	11/18/2019		Deposit		Checking -...	634.37	35,147.62
Deposit	11/18/2019		Deposit		Meade Co...	4,708.09	39,855.71
Deposit	11/25/2019		Deposit		Checking -...	1,328.44	41,184.15
Deposit	11/25/2019		Deposit		Meade Co...	2,772.91	43,957.06
Deposit	11/26/2019		Deposit		Checking -...	578.34	44,535.40
Deposit	11/27/2019		Deposit		Checking -...	231.97	44,767.37
Deposit	11/27/2019		Deposit		Meade Co...	601.42	45,368.79
Deposit	11/27/2019		Deposit		Meade Co...	1,808.13	47,176.92
Total SEWER REVENUE						47,176.92	47,176.92
Total Total Charges for Services						47,176.92	47,176.92
TOTAL						**47,176.92**	**47,176.92**

City of Brandenburg - Revenue Fund
Transaction Detail By Account
December 2019

Type	Date	Num	Memo	Clr	Split	Amount	Balance
Total Charges for Services							
SEWER REVENUE							
Deposit	12/03/2019		Deposit		Meade Co...	1,858.67	1,858.67
Deposit	12/06/2019		Deposit		Checking -...	984.38	2,843.05
Deposit	12/06/2019		Deposit		Meade Co...	2,571.74	5,414.79
Deposit	12/09/2019		Deposit		Meade Co...	7,033.64	12,448.43
Deposit	12/11/2019		Tap Fee / ...		Meade Co...	750.00	13,198.43
Deposit	12/12/2019		Deposit		Meade Co...	5,819.95	19,018.38
Deposit	12/13/2019		Deposit		Checking -...	1,297.57	20,315.95
Deposit	12/13/2019		Deposit		Meade Co...	6,648.87	26,964.82
Deposit	12/16/2019		Deposit		Checking -...	668.62	27,633.44
Deposit	12/16/2019		Deposit		Meade Co...	8,726.39	36,359.83
Deposit	12/16/2019		Deposit		Meade Co...	6,867.19	43,227.02
Deposit	12/20/2019		Deposit		Checking -...	1,210.14	44,437.16
Deposit	12/26/2019		Deposit		Checking -...	1,465.96	45,903.12
Deposit	12/26/2019		Deposit		Meade Co...	2,749.75	48,652.87
Deposit	12/27/2019		Deposit		Checking -...	397.34	49,050.21
Total SEWER REVENUE						49,050.21	49,050.21
Total Total Charges for Services						49,050.21	49,050.21
TOTAL						**49,050.21**	**49,050.21**

City of Brandenburg
Wastewater Treatment Plant Public-Private Partnership
Request for Proposals Addendum #1

Overview

The Request for Proposals ("RFP") issued on February 18, 2020 is clarified and modified as set forth in this addendum. The original RFP Documents remain in full force and effect, except as modified by this Addendum, which is hereby incorporated into the RFP. Respondents shall take this Addendum into consideration when preparing and submitting their Proposal.

This Addendum addresses some of the questions the City of Brandenburg (the "City") has received in writing or during the first mandatory meeting. The City anticipates answering the remaining questions it has received or will receive in future addenda.

Questions and Answers

Number	Question	Response
25	How will the COVID-19 pandemic impact this project?	**The RFP proposal due date and deadline for written questions have been postponed until further notice.** Interested parties can continue to submit written questions in the meantime. **The City has scheduled a second opportunity to attend a mandatory meeting on April 21 at 10am EST via videoconference or telephone.** Participants must RSVP by emailing BrandenburgRFP@gmail.com. The City will distribute the login information to registered participants before the meeting. Those who participated in the first mandatory meeting are welcome but are not required or expected to attend.
24	Can we get a copy of the sign-in sheet from the mandatory pre-bid meeting?	Copies of the sign-in sheet may be obtained by emailing a request to BrandenburgRFP@gmail.com.

23	What is the WWTP inflow wastewater strength/constituents (BOD, TSS, Ammonia, Phosphorus, Nitrogen, etc.)?	The test results for the past three (3) months will be posted on the project website at https://brandenburg.ky.gov/Pages/Announcements.aspx.
22	Any existing WWTP plans available?	The plans may be shared to those who submit a request to BrandenburgRFP@gmail.com and sign a confidentiality agreement.
21	Any existing gravity sewer piping plans or additional information available for the 45,000' of clay tile piping?	A map of the clay tile piping may be shared to those who submit a request to BrandenburgRFP@gmail.com and sign a confidentiality agreement.
20	Does the City own the designated project site?	Yes.
19	How will the contractor access the wastewater plant site during construction? Do any provisions need to be made by the proposer to maintain or upgrade exist access roads?	The contractor will use the existing road until Nucor constructs a new road with access to the plant site.
18	What is the peak daily design flow and the peak hourly design flow	The existing plant design is 0.312 million gallons per day (MGD) with a peak daily design flow of 0.6 MGD.
17	What size should the backup generator be?	200kw.
16	What size electrical service is required at the pump station?	400 amps/ 240 volt/ 3 phase power.
15	What size is existing electric service at WWTP?	1200 amps/ 480 volt/ 3 phase power.
14	Who is the manufacturer of the pumps at the pump station?	Myers.
13	What vendor supplied the original pumps and control panels at the pump station?	Straeffer Pump and Supply, Inc.

12	Does “renovate a pump station” per 1.1 mean something different than protecting the primary pump station’s electrical equipment per 2.1.1.3?	No, both provisions refer to the same requirement. The City requires the Private Partner build a tower above the pump station and provide new electrical equipment, a control cabinet, and a backup generator. The equipment must be installed at an elevation at or above 437.8 feet or approximately 14.5 feet above ground level.
11	Is it the intent of the City to reuse the existing control building as a part of the new plant? If so, what components of the existing building are intended to be reused and what will not?	Proposals may include the existing control building and any other components that can be utilized.
10	Has a closure plan been completed for the existing plant?	No. The Private Partner will be responsible for completing the Closure Plan.
9	According to 401 KAR 5:006, a Facility Plan would be required to construct a new Wastewater Treatment Plant. Paragraphs 2.2.1 and 5.8 of the RFP requires conformance with all laws and regulations, but there is no specific mention of a Facility Plan. Would a Facility Plan be required as a part of this project? If so, at what point in the project design/construction (i.e. 30%, 60%, etc.) would that take place?	The Private Partner will be responsible for completing the Facilities Plan. The Facilities Plan was last updated in 2017 to reflect upgrading the existing facility to a capacity of 0.5 MGD. The Private Partner must contact Mr. Jory Becker from the Kentucky Energy and Environment Cabinet’s Division of Water about completing the Facilities Plan at 502-782-6887 or jory.becker@ky.gov no later than thirty (30) days after the contract is awarded.
8	Per 4.1.7 is an architectural rendering truly required, or is the evaluation team looking for a preliminary layout and process flow diagram of the proposed WWTP?	The City requires a preliminary layout and process flow diagram at a minimum. Respondents are encouraged to provide enough detail for the Selection Committee to properly evaluate the technical components of the proposal.
7	What is the definition of “sustainable” for this RFP? The word is used twice, once to describe the sewer replacement solution and once to describe treatment plant solution.	”Sustainable” is defined as “able to be maintained or continued.”
6	Who is on the selection committee?	The Selection Committee will consist of a combination of public servants and private entities with subject matter expertise.

5	Who with the City will be overseeing this project?	The Public Works Director, T.J. Hughes and/or the Mayor's designee(s) will oversee the project.
4	The structure of the interlocal agreement could affect the terms of the P3 agreement. Would the County be a cosigner to the P3 agreement?	The interlocal agreement does not include this provision. Respondents are encouraged to provide the difference such an agreement would make on their proposal.
3	The RFP mentions there will be an interlocal agreement to share the costs associated with this project. Have the terms of this agreement been defined? If so, what are the terms?	Meade County has agreed to pay for half of the cost of the new WWTP on an annual basis for a term up to twenty-one (21) years, unless both parties consent to a longer term. Once the Department of Local Government approves the interlocal agreement, it will be posted to the City's website.
2	How much money has been dedicated to the project by Nucor, Meade County, State, and others?	The amount of money to be dedicated is to be determined and bidders should be creative with their proposals.
1	What is the required finish date of the project to meet the City's and Nucor's needs?	We anticipate a completion date of December 31, 2021 would meet the City's and Nucor's needs; however, this date is subject to change. Respondents are reminded of the City's objective to prevent any disruption to Nucor's construction timeline. Proposed project timelines will be evaluated by the Selection Committee.

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200107017

200107017.01
Project: Wastewater
Collection Date: 01/07/2020 08:00 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: M Gordon
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	34	mg/L	6	C24	SM 2540D 21st	01/08/2020 04:30 PM	DKL
Nitrate	Nitrate-N	24.0	mg/L	0.2	C24	SM 4110B 21st	01/07/2020 04:54 PM	CK
Nitrite	Nitrite-N	<0.2	mg/L	0.2	C24	SM 4110B 21st	01/07/2020 04:54 PM	CK
Total Nitrogen	Total Nitrogen	28.4	mg/L		C24	SM 4500N A	01/16/2020 01:45 PM	PGR
CBOD	CBOD	10	mg/L	4	C24	SM 5210B 21st	01/08/2020 04:30 PM	MDC

200107017.02
Project: Wastewater
Collection Date: 01/07/2020 08:00 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: M Gordon
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	<0.2	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/08/2020 05:00 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	4.2	mg/L	0.2	C24	SM 4500-Norg/D 21st	01/10/2020 09:30 AM	CK
Total Phosphorous	Total Phosphorus	5.79	mg/L	0.03	C24	SM 4500-P B.5/E 21st	01/08/2020 04:50 PM	MDC

200107017.04
Project: Wastewater
Collection Date: 01/07/2020 09:25 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: Daniel Kidd
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.010	mg/L	0.01	Grab	HACH 8167	01/07/2020 09:25 AM	DAK
D.O.	Dissolved Oxygen	11.6	mg/L	0.1	Grab	SM 4500-O G 21st	01/07/2020 09:25 AM	DAK
pH	pH	7.91	SU		Grab	SM4500 H+ B	01/07/2020 09:25 AM	DAK
Temperature	Temperature	9.5	C		Grab	SM 2550B 21st	01/07/2020 09:25 AM	DAK

200107017.05
Project: Wastewater
Collection Date: 01/07/2020 08:00 AM
Sample Description: Brandenburg WWTP Influent
Sampled By: M Gordon
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	170	mg/L	6	C24	SM 2540D 21st	01/08/2020 04:30 PM	DKL

RP200116033

Beckmar
ENVIRONMENTAL LABORATORY

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Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200107017

200107017.05 **Collection Date:** 01/07/2020 08:00 AM **Sampled By:** M Gordon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	226	mg/L	4	C24	SM 5210B 21st	01/08/2020 04:30 PM	MDC

200107017.06 **Collection Date:** 01/07/2020 08:00 AM **Sampled By:** M Gordon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	33.5	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/08/2020 05:00 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200116033

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 01 **Year:** 2020

*Job ID:200107017

Brandenburg WWTP

Special Instructions:

Calibration ID: DK20200107

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): M. Gordon / D. Kidd (signature): M. Gordon / Dave Kidd

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl_2 (mg/L) Free	Field Data Cl_2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	6 / 7	0800 / 0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	KP	
	6 / 7	0800 / 0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	KP	
	7	0935	Effluent	E-Coli						G	1	W1	WW	ST	BT	
	7	0925	Effluent	Field Data	7.9	11.6		0.01	9.5	G			WW			
			Effluent Flow .200													
	6 / 7	0800 / 0800	Influent	CBOD, TSS						C24	1	P10	WW	R	KP	
			Influent Flow 203,492													

Relinquished by:	Received by:	Date	Time
M. Gordon	Dave Kidd	1-7-2020	0951
Dave Kidd	Maeen Dan	1-7-2020	1508

Comments:

Type of Container

G10 = 1000ml Glass
G5 = 500ml Glass
P10 = 1000ml Plastic
H40 = 40ml Headspace
SG = 16 Oz Glass - Soil
W1 = 120ml Plastic Sterile
D1 = 120ml Plastic Sterile
P25 = 250ml Plastic
P1 = 100ml Plastic
4LC = 4 Liter Cube
1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact	✓		
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time)

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types

G - Grab
C8 - 8Hr Composite
C12 - 12Hr Composite
C24 - 24Hr Composite
C - Composi

Preservative Codes

NI = Nitric Acid (HNO_3)
SA = Sulfuric Acid (H_2SO_4)
HA = Hydrochloric Acid (HCl_3)
SH = Sodium Hydroxide (NaOH)
ST = Sodium Thiosulfate
ZN = Zinc Acetate
SS = Sodium Sulfite
AA = Ascorbic Acid
R = Refrigerated (<4° C)

Initial KP

Beckmar
ENVIRONMENTAL LABORATORY

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www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200110013

200110013.01 **Collection Date:** 01/08/2020 08:30 AM **Sampled By:** Client
Project: E-coli **Sample Description:** Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	60000	col/100mL	1	Grab	SM 9223B	01/08/2020 02:25 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200115035

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 01 Year: 2020

*Job ID:200110013

Brandenburg WWTP

Special Instructions:

Calibration ID: _____

Facility Information	Send Results To: (same as client info ☐ yes ☐ no)	Billing Information (same as client info ☐ yes ☐ no)
Client Name Brandenburg	Client Name	Client Name
Address	Address	Address
Cty, St, ZIP	City, State, ZIP	City, State, ZIP
Phone	Phone / Fax	Contact Name:
	E-mail	

PWS ID (if applicable)

Compliance (Y/N) State

Samples chlorinated (Y/N)

Collected by (please print): Client (signature): Client P.O. Number

Bottle ID (Lab Use Only)	Collection Day	Collection Time	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl_2 (mg/L) Free	Cl_2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	8	0830	EFF	Ecoli Resample											KD	

Relinquished by:	Received by:	Date	Time
Client		1-8-2020	1411*
		1-9-2020	15:00

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason: _____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ___ Blue Ice ✓

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact		✓	
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time) _____

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	Ni = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial KD

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200109042

200109042.01 **Collection Date:** 01/09/2020 11:20 AM **Sampled By:** Client
Project: E-coli **Sample Description:** Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	01/09/2020 04:30 PM	RLB

200109042.02 **Collection Date:** 01/09/2020 11:36 AM **Sampled By:** Client
Project: E-coli **Sample Description:** Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	01/09/2020 04:30 PM	RLB

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200113002

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 01 Year: 2020

*Job ID:200109042

Brandenburg WWTP

Special Instructions:

Calibration ID: _____

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): Client (signature): Client

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl_2 (mg/L) Free	Cl_2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	9	1120	Resample	E-Coli						G	1	W1	WW	ST	BR	
	9	1136	Resample	E-Coli						G	1	W1	WW	ST	BR	

Relinquished by:	Received by:	Date	Time
Client	[illegible]	1-9-2020	1438
[illegible]	[illegible]	1-9-2020	1500

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason: _____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers	____	✓	____
Custody Seals Intact	____	✓	____
COC / Sample Label Agreement	✓	____	____
Proper Containers	✓	____	____
Samples Within Holding Times	✓	____	____
All Samples on COC Received	✓	____	____
W1 & D1 Filled to 100ml mark	✓	____	____
Headspace acceptable	____	____	✓

Preservative Added (Date/Time) _____

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	Ni = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: KP

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200114015

200114015.01 **Collection Date:** 01/14/2020 08:00 AM **Sampled By:** James Devine
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	39	mg/L	6	C24	SM 2540D 21st	01/15/2020 04:30 PM	DKL
Nitrate	Nitrate-N	22.6	mg/L	0.2	C24	SM 4110B 21st	01/14/2020 03:45 PM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 21st	01/14/2020 03:45 PM	CK
Total Nitrogen	Total Nitrogen	28.2	mg/L		C24	SM 4500N A	01/22/2020 09:00 AM	PGR
CBOD	CBOD	20	mg/L	4	C24	SM 5210B 21st	01/15/2020 04:30 PM	MDC

200114015.02 **Collection Date:** 01/14/2020 08:00 AM **Sampled By:** James Devine
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	<0.2	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/15/2020 05:00 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	5.4	mg/L	0.2	C24	SM 4500-Norg/D 21st	01/20/2020 09:30 AM	CK
Total Phosphorous	Total Phosphorus	5.86	mg/L	0.03	C24	SM 4500-P B.5/E 21st	01/17/2020 12:00 PM	MDC

200114015.03 **Collection Date:** 01/14/2020 09:15 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	01/14/2020 02:35 PM	RLB

200114015.04 **Collection Date:** 01/14/2020 08:55 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.010	mg/L	0.01	Grab	HACH 8167	01/14/2020 08:55 AM	DAK
D.O.	Dissolved Oxygen	12.1	mg/L	0.1	Grab	SM 4500-O G 21st	01/14/2020 08:55 AM	DAK
pH	pH	7.56	SU		Grab	SM4500 H+ B	01/14/2020 08:55 AM	DAK
Temperature	Temperature	11.7	C		Grab	SM 2550B 21st	01/14/2020 08:55 AM	DAK

RP200122023

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PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200114015

200114015.05 **Collection Date:** 01/14/2020 08:00 AM **Sampled By:** James Devine
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	188	mg/L	6	C24	SM 2540D 21st	01/15/2020 04:30 PM	DKL
CBOD	CBOD	286	mg/L	4	C24	SM 5210B 21st	01/15/2020 04:30 PM	MDC

200114015.06 **Collection Date:** 01/14/2020 08:00 AM **Sampled By:** James Devine
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	39.2	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/15/2020 05:00 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200122023

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Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 1 **Year:** 2020

*Job ID:200114015

Brandenburg WWTP

Special Instructions:

Calibration ID: OK2020011 4

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): J. Davis / O. Kidd (signature)

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl2 (mg/L) Free	Cl2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	13/14	0800/0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	KD	
	13/14	0800/0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	KD	
	14	0915	Effluent	E-Coli						G	1	W1	WW	ST	KD	
	14	0855	Effluent	Field Data	7.56 √	12.1 √		0.01 √	11.7 √	G			WW			
			Effluent Flow .227													
	13/14	0800/0800	Influent	CBOD, TSS						C24	1	P10	WW	R	KD	
			Influent Flow 214459													

Relinquished by:	Received by:	Date	Time
		01-14-20	0920
		1-14-2020	1323

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection: Reason: _____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers	____	✓	____
Custody Seals Intact	✓	____	____
COC / Sample Label Agreement	✓	____	____
Proper Containers	✓	____	____
Samples Within Holding Times	✓	____	____
All Samples on COC Received	✓	____	____
W1 & D1 Filled to 100ml mark	✓	____	____
Headspace acceptable	____	____	✓

Preservative Added (Date/Time) _____

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_5)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial KD

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www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200121019

200121019.01 **Collection Date:** 01/21/2020 08:00 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	45	mg/L	6	C24	SM 2540D 21st	01/22/2020 04:30 PM	DKL
Nitrate	Nitrate-N	23.5	mg/L	0.2	C24	SM 4110B 21st	01/21/2020 04:41 PM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 21st	01/21/2020 04:41 PM	CK
Total Nitrogen	Total Nitrogen	28.7	mg/L		C24	SM 4500N A	01/29/2020 10:20 AM	PGR
CBOD	CBOD	16	mg/L	4	C24	SM 5210B 21st	01/22/2020 04:30 PM	PDB

200121019.02 **Collection Date:** 01/21/2020 08:00 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	<0.2	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/22/2020 05:00 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	5.0	mg/L	0.2	C24	SM 4500-Norg/D 21st	01/27/2020 09:45 AM	CK
Total Phosphorous	Total Phosphorus	5.70	mg/L	0.03	C24	SM 4500-P B.5/E 21st	01/23/2020 02:00 PM	MDC

200121019.03 **Collection Date:** 01/21/2020 09:42 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	01/21/2020 03:50 PM	MDC

200121019.04 **Collection Date:** 01/21/2020 09:25 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.01	mg/L	0.01	Grab	HACH 8167	01/21/2020 09:25 AM	DAK
D.O.	Dissolved Oxygen	11.9	mg/L	0.1	Grab	SM 4500-O G 21st	01/21/2020 09:25 AM	DAK
pH	pH	7.37	SU		Grab	SM4500 H+ B	01/21/2020 09:25 AM	DAK
Temperature	Temperature	11.3	C		Grab	SM 2550B 21st	01/21/2020 09:25 AM	DAK

RP200129053

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www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200121019

200121019.05 **Collection Date:** 01/21/2020 08:00 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	46	mg/L	6	C24	SM 2540D 21st	01/22/2020 04:30 PM	DKL
CBOD	CBOD	191	mg/L	4	C24	SM 5210B 21st	01/22/2020 04:30 PM	PDB

200121019.06 **Collection Date:** 01/21/2020 08:00 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	41.0	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/27/2020 09:30 AM	DKL

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200129053

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

*Job ID:200121019

Brandenburg WWTP

Month: 01 Year: 20

Special Instructions:

Calibration ID: OK20200121

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): T.Kidd

(signature):

P.O. Number

1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl_2 (mg/L) Free	Cl_2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
01	20/21	0800/0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	RZ	N
02	20/21	0800/0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	RZ	N
03	21	0942	Effluent	E-Coli						G	1	W1	WW	ST	BSZ	N
04	21	0925	Effluent	Field Data	7.37	11.9		0.01	11.3	G			WW		X	X
~~05~~ KE	21	~~0925~~	OK Effluent Flow .204													
05	20/21	0800/0800	Influent	CBOD, TSS						C24	1	P10	WW	R	RZ	N
06	21		Influent Flow 195,890	NH3											RZ	N

Relinquished by:	Received by:	Date	Time
		1-21-2020	0945
		1/21/2020	1507

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact	✓		
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time)

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: KE

Beckmar
ENVIRONMENTAL LABORATORY

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200128014

200128014.01 **Collection Date:** 01/28/2020 10:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	42	mg/L	6	C24	SM 2540D 21st	01/29/2020 04:30 PM	DKL
Nitrate	Nitrate-N	23.3	mg/L	0.2	C24	SM 4110B 21st	01/28/2020 07:19 PM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 21st	01/28/2020 07:19 PM	CK
Total Nitrogen	Total Nitrogen	30.3	mg/L		C24	SM 4500N A	02/04/2020 01:20 PM	PGR
CBOD	CBOD	16	mg/L	4	C24	SM 5210B 21st	01/29/2020 04:30 PM	MDC

200128014.02 **Collection Date:** 01/28/2020 10:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	<0.2	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/29/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	6.8	mg/L	0.2	C24	SM 4500-Norg/D 21st	02/03/2020 09:45 AM	PGR
Total Phosphorous	Total Phosphorus	5.82	mg/L	0.03	C24	SM 4500-P B.5/E 21st	01/30/2020 11:00 AM	MDC

200128014.03 **Collection Date:** 01/28/2020 10:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	01/28/2020 12:20 PM	ANK

200128014.04 **Collection Date:** 01/28/2020 10:30 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.010	mg/L	0.01	Grab	HACH 8167	01/28/2020 10:30 AM	DAK
D.O.	Dissolved Oxygen	14.5	mg/L	0.1	Grab	SM 4500-O G 21st	01/28/2020 10:30 AM	DAK
pH	pH	7.78	SU		Grab	SM4500 H+ B	01/28/2020 10:30 AM	DAK
Temperature	Temperature	8.8	C		Grab	SM 2550B 21st	01/28/2020 10:30 AM	DAK

RP200204016

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502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200128014

200128014.05 **Collection Date:** 01/28/2020 10:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	236	mg/L	6	C24	SM 2540D 21st	01/29/2020 04:30 PM	DKL
CBOD	CBOD	361	mg/L	4	C24	SM 5210B 21st	01/29/2020 04:30 PM	MDC

200128014.06 **Collection Date:** 01/28/2020 10:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	41.8	mg/L	0.2	C24	SM 4500-NH3 D 21st	01/29/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200204016

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

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CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

*Job ID:200128014

Brandenburg WWTP

Month: January **Year:** 2020

Special Instructions:

Calibration ID: DK20200128

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)		PWS ID (if applicable) KY0021474	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Compliance (Y/N) Y	State KY
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305	Samples chlorinated (Y/N)	
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108		
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes		
		E-mail	tjhughes@bbtel.com				

Collected by (please print): Dillon Jupin **(signature):** Dillon Jupin

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl2 (mg/L) Free	Cl2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added In-house (Y/N)
	27/28	8/10	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	KV	
	27/28	8/10	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	KV	
	28	10	Effluent	E-Coli						G	1	W1	WW	ST		
	28	1030	Effluent	Field Data	7.78 ✓	14.5 ✓	OK ✓		8.8 ✓	G			WW			
			Effluent Flow .222				0.01									
	27/28	8/10	Influent	CBOD, TSS						C24	1	P10	WW	R	MH	
			Influent Flow 225.533													
				NH3												

Relinquished by:	Received by:	Date	Time
Dillon Jupin	[signature]	Jan. 28, 2020	10:30
[signature]	[signature]	1-28-2020	1208

Comments:

Type of Container
- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason: ____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers	____	✓	____
Custody Seals Intact	✓	____	____
COC / Sample Label Agreement	✓	____	____
Proper Containers	✓	____	____
Samples Within Holding Times	✓	____	____
All Samples on COC Received	✓	____	____
W1 & D1 Filled to 100ml mark	✓	____	____
Headspace acceptable	____	____	✓

Preservative Added (Date/Time) ____

Matrix Codes
- DW = Drinking Water
- WW = Wastewater
- GW = Groundwater
- SW = Surface Water
- S = Soil
- SL = Sludge
- P = Paint
- V = Vegetation
- O = Other

Collection Types
- G - Grab
- C8 - 8Hr Composite
- C12 - 12Hr Composite
- C24 - 24Hr Composite
- C - Composi

Preservative Codes
- NI = Nitric Acid (HNO_3)
- SA = Sulfuric Acid (H_2SO_4)
- HA = Hydrochloric Acid (HCl_3)
- SH = Sodium Hydroxide (NaOH)
- ST = Sodium Thiosulfate
- ZN = Zinc Acetate
- SS = Sodium Sulfite
- AA = Ascorbic Acid
- R = Refrigerated (<4° C)

Initial: KV

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200204038

200204038.01

Collection Date: 02/04/2020 08:30 AM
Sampled By: D. J. Lyon
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	24	mg/L	6	C24	SM 2540D 21st	02/05/2020 04:30 PM	DKL
Nitrate	Nitrate-N	19.1	mg/L	0.2	C24	SM 4110B 21st	02/04/2020 04:13 PM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 21st	02/04/2020 04:13 PM	CK
Total Nitrogen	Total Nitrogen	31.5	mg/L		C24	SM 4500N A	02/12/2020 03:00 PM	PGR
CBOD	CBOD	10	mg/L	4	C24	SM 5210B 21st	02/05/2020 04:30 PM	MDC

200204038.02

Collection Date: 02/04/2020 08:30 AM
Sampled By: D. J. Lyon
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	8.1	mg/L	0.2	C24	SM 4500-NH3 D 21st	02/05/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	12.2	mg/L	0.2	C24	SM 4500-Norg/D 21st	02/10/2020 09:35 AM	CK
Total Phosphorous	Total Phosphorus	6.50	mg/L	0.03	C24	SM 4500-P B.5/E 21st	02/06/2020 02:00 PM	MDC

200204038.03

Collection Date: 02/04/2020 09:20 AM
Sampled By: D. J. Lyon
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	02/04/2020 03:50 PM	RLB

200204038.04

Collection Date: 02/04/2020 09:40 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.010	mg/L	0.01	Grab	HACH 8167	02/04/2020 09:40 AM	DAK
D.O.	Dissolved Oxygen	13.3	mg/L	0.1	Grab	SM 4500-O G 21st	02/04/2020 09:40 AM	DAK
pH	pH	7.81	SU		Grab	SM4500 H+ B	02/04/2020 09:40 AM	DAK
Temperature	Temperature	12.8	C		Grab	SM 2550B 21st	02/04/2020 09:40 AM	DAK

RP200213016

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200204038

200204038.05 **Collection Date:** 02/04/2020 08:30 AM **Sampled By:** D. J. Lyon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	474	mg/L	6	C24	SM 2540D 21st	02/05/2020 04:30 PM	DKL
CBOD	CBOD	206	mg/L	4	C24	SM 5210B 21st	02/05/2020 04:30 PM	MDC

200204038.06 **Collection Date:** 02/04/2020 08:30 AM **Sampled By:** D. J. Lyon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	42.6	mg/L	0.2	C24	SM 4500-NH3 D 21st	02/05/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200213016

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CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 2 **Year:** 2020

*Job ID:200204038
Brandenburg WWTP

Special Instructions:

Calibration ID: OK20200204

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474
Compliance (Y/N) Y State KY
Samples chlorinated (Y/N)

Collected by (please print):
(signature): DJ Lyon
P.O. Number
1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl2 (mg/L) Free	Cl2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	3 / 4	8:30 / 0830	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	MK	
	3 / 4	8:30 / 0830	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	MK	
	4	0920	Effluent	E-Coli						G	1	W1	WW	ST	BTL	
	2-4-20	0940	Effluent	Field Data	7.8 ✓	13.3 ✓		0.0 ✓	12.8 ✓	G			WW			
			Effluent Flow 000.248													
	3 / 4	8:30 / 0830	Influent	CBOD, TSS						C24	1	P10	WW	R	MK	
			Influent Flow 000.229													

Relinquished by:	Received by:	Date	Time
DJ Lyon	Dawn Kirk	2/4/2020	0943
Dawn Kirk	Karen Davis	2-4-20	1509

Comments:

Type of Container
G10 = 1000ml Glass
G5 = 500ml Glass
P10 = 1000ml Plastic
H40 = 40ml Headspace
SG = 16 Oz Glass - Soil
W1 = 120ml Plastic Sterile
D1 = 120ml Plastic Sterile
P25 = 250ml Plastic
P1 = 100ml Plastic
4LC = 4 Liter Cube
1LC = 1 Liter Cube

Sample rejection : Reason:
Temp. At Receipt 3 °C
Check Applicable Field Wet Ice ✓ Blue Ice

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact	✓		
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time)

Matrix Codes
DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: KP

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Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200211011

200211011.01 **Collection Date:** 02/11/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	46	mg/L	6	C24	SM 2540D 22nd Ed.	02/12/2020 04:30 PM	DKL
Nitrate	Nitrate-N	16.0	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/11/2020 04:18 PM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/11/2020 04:18 PM	CK
Total Nitrogen	Total Nitrogen	35.5	mg/L		C24	SM 4500N A	02/20/2020 12:16 PM	CK
CBOD	CBOD	18	mg/L	4	C24	SM 5210B (2011)	02/12/2020 04:30 PM	MDC

200211011.02 **Collection Date:** 02/11/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	12.6	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/12/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	19.3	mg/L	0.2	C24	SM 4500-Norg/D 22nd Ed.	02/17/2020 09:20 AM	CK
Total Phosphorous	Total Phosphorus	5.82	mg/L	0.03	C24	SM 4500-P B.5/E 21st	02/13/2020 01:00 PM	MDC

200211011.03 **Collection Date:** 02/11/2020 09:30 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	02/11/2020 01:00 PM	ANK

200211011.04 **Collection Date:** 02/11/2020 09:18 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.01	mg/L	0.01	Grab	HACH 8167	02/11/2020 09:18 AM	DAK
D.O.	Dissolved Oxygen	10.7	mg/L	0.1	Grab	SM 4500-O G 21st	02/11/2020 09:18 AM	DAK
pH	pH	7.83	SU		Grab	SM4500 H+ B	02/11/2020 09:18 AM	DAK
Temperature	Temperature	9.2	C		Grab	SM 2550B 21st	02/11/2020 09:18 AM	DAK

RP200221003

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www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200211011

200211011.05 **Collection Date:** 02/11/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	244	mg/L	6	C24	SM 2540D 22nd Ed.	02/12/2020 04:30 PM	DKL
CBOD	CBOD	334	mg/L	4	C24	SM 5210B (2011)	02/12/2020 04:30 PM	MDC

200211011.06 **Collection Date:** 02/11/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	35.7	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/12/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200221003

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: Feb Year: 2020

*Job ID:200211011
Brandenburg WWTP

Special Instructions:

Calibration ID: DK20200211

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474
Compliance (Y/N) Y State KY
Samples chlorinated (Y/N)

Collected by (please print): D. Jo... / D. Kidd (signature): [signature]
P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	pH (S.U.)	DO (Mg/L)	Cl₂ (mg/L) Free	Cl₂ (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
01	10 / 11	8 / 8	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen												
02	10 / 11	8 / 8	Effluent	TKN, NH3, TP						C24	1	P10	WW	R	R2	N
03	11	0930	Effluent	E-Coli						C24	1	P10	WW	SA	R2	N
04	11	0918	Effluent	Field Data	7.83 √	10.7 √		0.01 √	9.2 √	G	1	W1	WW	ST	BS2	N
			Effluent Flow .283							G			WW		X	X
05	10 / 11	8 / 8	Influent	CBOD, TSS												
06			Influent Flow 266,942	~~KE TP~~ NH3						C24	1	P10	WW	R	R2	N

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	2-11-2020	9:30
[signature]	[signature]	2/11/20	1240

Comments:

Type of Container
G10 = 1000ml Glass
G5 = 500ml Glass
P10 = 1000ml Plastic
H40 - 40ml Headspace
SG = 16 Oz Glass - Soil
W1 = 120ml Plastic Sterile
D1 = 120ml Plastic Sterile
P25 = 250ml Plastic
P1 = 100ml Plastic
4LC - 4 Liter Cube
1LC - 1 Liter Cube

Sample rejection : Reason:
Temp. At Receipt 3 °C
Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact	✓		
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time)

Matrix Codes
DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types
G - Grab
C8 - 8Hr Composite
C12 - 12Hr Composite
C24 - 24Hr Composite
C - Composi

Preservative Codes
NI = Nitric Acid (HNO_3)
SA = Sulfuric Acid (H_2SO_4)
HA = Hydrochloric Acid (HCl_3)
SH = Sodium Hydroxide (NaOH)
ST = Sodium Thiosulfate
ZN = Zinc Acetate
SS = Sodium Sulfite
AA = Ascorbic Acid
R = Refrigerated (<4° C)

Initial: [initials]

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200218018

200218018.01

Collection Date: 02/18/2020 08:00 AM
Sampled By: D. J. Lyon
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	45	mg/L	6	C24	SM 2540D 22nd Ed.	02/19/2020 04:30 PM	DKL
Nitrate	Nitrate-N	12.2	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/18/2020 04:04 PM	CK
Nitrite	Nitrite-N	<0.2	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/18/2020 04:04 PM	CK
Total Nitrogen	Total Nitrogen	31.2	mg/L		C24	SM 4500N A	02/27/2020 08:30 AM	PGR
CBOD	CBOD	14	mg/L	4	C24	SM 5210B (2011)	02/19/2020 04:30 PM	MDC

200218018.02

Collection Date: 02/18/2020 08:00 AM
Sampled By: D. J. Lyon
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	16.7	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/19/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	18.8	mg/L	0.2	C24	SM 4500-Norg/D 22nd Ed.	02/24/2020 09:33 AM	CK
Total Phosphorous	Total Phosphorus	5.73	mg/L	0.03	C24	SM 4500-P B.5/E 21st	02/20/2020 01:00 AM	MDC

200218018.03

Collection Date: 02/18/2020 10:00 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	02/18/2020 02:00 PM	MDC

200218018.04

Collection Date: 02/18/2020 09:15 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.01	mg/L	0.01	Grab	HACH 8167	02/18/2020 09:15 AM	DAK
D.O.	Dissolved Oxygen	9.8	mg/L	0.1	Grab	SM 4500-O G 21st	02/18/2020 09:15 AM	DAK
pH	pH	8.23	SU		Grab	SM4500 H+ B	02/18/2020 09:15 AM	DAK
Temperature	Temperature	11.2	C		Grab	SM 2550B 21st	02/18/2020 09:15 AM	DAK

RP200227026

Beckmar
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Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200218018

200218018.05 **Collection Date:** 02/18/2020 08:00 AM **Sampled By:** D. J. Lyon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	214	mg/L	6	C24	SM 2540D 22nd Ed.	02/19/2020 04:30 PM	DKL
CBOD	CBOD	220	mg/L	4	C24	SM 5210B (2011)	02/19/2020 04:30 PM	MDC

200218018.06 **Collection Date:** 02/18/2020 08:00 AM **Sampled By:** D. J. Lyon
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	33.9	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/19/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200227026

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

*Job ID:200218018

Brandenburg WWTP

Month: 2 Year: 20

Special Instructions:

Calibration ID: DK20200218

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): DJ Lyon / D. Kidd

(signature): DJ Lyon / D. Kidd

P.O. Number

1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl2 (mg/L) Free	Field Data Cl2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
01	17 / 18	0800 / 0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	R2	N
02	17 / 18	0800 / 0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	R2	N
03	18	1000	Effluent	E-Coli						G	1	W1	WW	ST	R2	N
04	18	0915	Effluent	Field Data	8.23	9.8		0.01	11.2	G			WW		X	X
			Effluent Flow .247													
05	17 / 18	0800 / 0800	Influent	CBOD, TSS						C24	1	P10	WW	R	R2	N
06			Influent Flow 240,098	NH3												

Relinquished by:	Received by:	Date	Time
DJ Lyon	[signature]	2-18-20	1004
[signature]	[signature]	2/18/20	1326

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ___

Sample Integrity

	Yes	No	N/A
Broken Containers	___	✓	___
Custody Seals Intact	✓	___	___
COC / Sample Label Agreement	✓	___	___
Proper Containers	✓	___	___
Samples Within Holding Times	✓	___	___
All Samples on COC Received	✓	___	___
W1 & D1 Filled to 100ml mark	✓	___	___
Headspace acceptable	___	___	✓

Preservative Added (Date/Time) ___

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: VE

Beckmar
ENVIRONMENTAL LABORATORY

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www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200225052

200225052.01 **Collection Date:** 02/25/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	42	mg/L	6	C24	SM 2540D 22nd Ed.	02/26/2020 04:30 PM	DKL
Nitrate	Nitrate-N	10.3	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/26/2020 12:20 AM	CK
Nitrite	Nitrite-N	0.2	mg/L	0.2	C24	SM 4110B 22nd Ed.	02/25/2020 05:29 PM	CK
Total Nitrogen	Total Nitrogen	35.2	mg/L		C24	SM 4500N A	03/05/2020 01:00 PM	PGR
CBOD	CBOD	19	mg/L	4	C24	SM 5210B (2011)	02/26/2020 04:30 PM	MDC

200225052.02 **Collection Date:** 02/25/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	15.4	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/26/2020 04:30 PM	DKL
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	24.7	mg/L	0.2	C24	SM 4500-Norg/D 22nd Ed.	03/02/2020 09:38 AM	CK
Total Phosphorous	Total Phosphorus	6.70	mg/L	0.03	C24	SM 4500-P B.5/E 21st	02/28/2020 02:00 PM	MDC

200225052.03 **Collection Date:** 02/25/2020 09:30 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	02/25/2020 03:00 PM	ANK

200225052.04 **Collection Date:** 02/25/2020 09:20 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Effluent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.01	mg/L	0.01	Grab	HACH 8167	02/25/2020 09:20 AM	DAK
D.O.	Dissolved Oxygen	11.2	mg/L	0.1	Grab	SM 4500-O G 21st	02/25/2020 09:20 AM	DAK
pH	pH	8.01	SU		Grab	SM4500 H+ B	02/25/2020 09:20 AM	DAK
Temperature	Temperature	10.7	C		Grab	SM 2550B 21st	02/25/2020 09:20 AM	DAK

RP200305038

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200225052

200225052.05 **Collection Date:** 02/25/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	307	mg/L	6	C24	SM 2540D 22nd Ed.	02/26/2020 04:30 PM	DKL
CBOD	CBOD	266	mg/L	4	C24	SM 5210B (2011)	02/26/2020 04:30 PM	MDC

200225052.06 **Collection Date:** 02/25/2020 08:00 AM **Sampled By:** Dillan Jopin
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	31.8	mg/L	0.2	C24	SM 4500-NH3 D (2011)	02/26/2020 04:30 PM	DKL

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200305038

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Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

*Job ID:200225052

Brandenburg WWTP

Month: 2 **Year:** 20

Special Instructions:

Calibration ID: DK20200225

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): Dillon Sapp (signature): Dillon Sapp

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl2 (mg/L) Free	Field Data Cl2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
01	24/25	0800/0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	RZ	N
02	24/25	0800/0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	RZ	N
03	25	0930	Effluent	E-Coli						G	1	W1	WW	ST	RZ	N
04	25	0920	Effluent	Field Data	8.01 √	11.2 √		0.01 √	10.7 √	G			WW		X	X
			Effluent Flow 0.309													
05	24/25	0800/0800	Influent	CBOD, TSS						C24	1	P10	WW	R	RZ	N
06			Influent Flow 298,153	NH3											RZ	N

Relinquished by:	Received by:	Date	Time
Dillon Sapp	Dani Kie	2/25/20	0935
Dani Kie	Ken Eng	2-25-20	1433

Comments:

Type of Container
- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40 = 40ml Headspace
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice √ Blue Ice

Sample Integrity

	Yes	No	N/A
Broken Containers		√	
Custody Seals Intact		√	
COC / Sample Label Agreement	√		
Proper Containers	√		
Samples Within Holding Times	√		
All Samples on COC Received	√		
W1 & D1 Filled to 100ml mark	√		
Headspace acceptable			√

Preservative Added (Date/Time)

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: HE

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Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200303026

200303026.01
Project: Wastewater
Collection Date: 03/03/2020 08:00 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: Daniel Kidd
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	48	mg/L	6	C24	SM 2540D 22nd Ed.	03/04/2020 04:30 PM	DKL
Nitrate	Nitrate-N	8.5	mg/L	0.2	C24	SM 4110B 22nd Ed.	03/03/2020 10:39 PM	CK
Nitrite	Nitrite-N	0.3	mg/L	0.2	C24	SM 4110B 22nd Ed.	03/03/2020 10:39 PM	CK
Total Nitrogen	Total Nitrogen	34.2	mg/L		C24	SM 4500N A	03/11/2020 02:00 PM	PGR
CBOD	CBOD	19	mg/L	4	C24	SM 5210B (2011)	03/04/2020 04:30 PM	MDC

200303026.02
Project: Wastewater
Collection Date: 03/03/2020 08:00 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: Daniel Kidd
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	18.3	mg/L	0.2	C24	SM 4500-NH3 D (2011)	03/04/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	25.4	mg/L	0.2	C24	SM 4500-Norg/D 22nd Ed.	03/09/2020 09:47 AM	CK
Total Phosphorous	Total Phosphorus	6.99	mg/L	0.03	C24	SM 4500-P B.5/E 21st	03/05/2020 01:00 PM	MDC

200303026.03
Project: Wastewater
Collection Date: 03/03/2020 09:30 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: Daniel Kidd
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	60000	col/100mL	1	Grab	SM 9223B	03/03/2020 01:30 PM	ANK

200303026.04
Project: Wastewater
Collection Date: 03/03/2020 09:20 AM
Sample Description: Brandenburg WWTP Effluent
Sampled By: Daniel Kidd
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.010	mg/L	0.01	Grab	HACH 8167	03/03/2020 09:20 AM	DAK
D.O.	Dissolved Oxygen	11.4	mg/L	0.1	Grab	SM 4500-O G 21st	03/03/2020 09:20 AM	DAK
pH	pH	8.79	SU		Grab	SM4500 H+ B	03/03/2020 09:20 AM	DAK
Temperature	Temperature	11.7	C		Grab	SM 2550B 21st	03/03/2020 09:20 AM	DAK

RP200311083

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Jeffersontown, KY 40299
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Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200303026

200303026.05 **Collection Date:** 03/03/2020 08:00 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	138	mg/L	6	C24	SM 2540D 22nd Ed.	03/04/2020 04:30 PM	DKL
CBOD	CBOD	201	mg/L	4	C24	SM 5210B (2011)	03/04/2020 04:30 PM	MDC

200303026.06 **Collection Date:** 03/03/2020 08:00 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	25.7	mg/L	0.2	C24	SM 4500-NH3 D (2011)	03/04/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200311083

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 3 Year: 20

*Job ID:200303026

Brandenburg WWTP

Special Instructions:

Calibration ID: DK20200303

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): Jonathan D. Kidd (signature): [signature]

P.O. Number 1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl_2 (mg/L) Free	Field Data Cl_2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added In-house (Y/N)
	2/3	0800/0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R	KD	
	2/3	0800/0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA	KD	
	3	0930	Effluent	E-Coli				DK		G	1	W1	WW	ST	BT2	
	3	0920	Effluent	Field Data	8.7 √	11.4 √		0.01 √	11.7 √	G			WW			
			Effluent Flow .374					0.01								
	2/3	0800/0800	Influent	CBOD, TSS						C24	1	P10	WW	R	KD	
			Influent Flow 355,572													

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	3/3/20	0937
[signature]	[signature]	3-3-20	1307

Comments:

Type of Container

G10 = 1000ml Glass
G5 = 500ml Glass
P10 = 1000ml Plastic
H40 = 40ml Headspace
SG = 16 Oz Glass - Soil
W1 = 120ml Plastic Sterile
D1 = 120ml Plastic Sterile
P25 = 250ml Plastic
P1 = 100ml Plastic
4LC = 4 Liter Cube
1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ___

Sample Integrity

	Yes	No	N/A
Broken Containers	___	✓	___
Custody Seals Intact	✓	___	___
COC / Sample Label Agreement	✓	___	___
Proper Containers	✓	___	___
Samples Within Holding Times	✓	___	___
All Samples on COC Received	✓	___	___
W1 & D1 Filled to 100ml mark	___	___	✓
Headspace acceptable	___	___	✓

Preservative Added (Date/Time) ___

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial KD

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ENVIRONMENTAL LABORATORY

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Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200305014

200305014.02 **Collection Date:** 03/05/2020 08:10 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Resample **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	03/05/2020 12:45 PM	ANK

200305014.03 **Collection Date:** 03/05/2020 07:45 AM **Sampled By:** Client
Project: Wastewater **Sample Description:** Resample **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	03/05/2020 12:45 PM	ANK

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200311096

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Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

*Job ID:200305014

Brandenburg WWTP

Month: 3 **Year:** 2020

Special Instructions:

Calibration ID: _____

Facility Location & Contact Information	Send Results To: (same as client info ☐ yes ☐ no)	Billing Information (same as client info ☐ yes ☐ no)	Permit ID (if applicable)
Client Name Brandenburg	**Client Name**	**Client Name**	Compliance (Y/N) State:
Address	**Address**	**Address**	Samples chlorinated (Y/N)
City, St, ZIP	**City, State, ZIP**	**City, State, ZIP**	
Phone	**Phone / Fax**	**Contact Name**	
Contact	**E-mail**	**A.P. Email**	
Collected by (please print): Client	(signature): Client	**P.O. Number:**	Sample Frequency

Bottle ID (Lab Use Only)	Collection Day	Collection Time	Project ID: / Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl_2 (mg/L) Free	Field Data Cl_2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
01	05	0745	EFF	Ecoli Resample #1												
02	05	0810	EFF	Ecoli Resample #2												

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	3-5-2020	1122
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received by:	Date	Time

Comments:

Type of Container

- **G10** = 1000ml Glass
- **G5** = 500ml Glass
- **P10** = 1000ml Plastic
- **H40c** = 40ml Headspace Clear
- **H40a** = 40ml Headspace Amber
- **SG** = 16 Oz Glass - Soil
- **W1** = 120ml Plastic Sterile
- **D1** = 120ml Plastic Sterile
- **P25** = 250ml Plastic
- **P1** = 100ml Plastic
- **4LC** = 4 Liter Cube
- **1LC** = 1 Liter Cube
- **G2** = 250ml Glass
- **VA** = 1000ml Virgin Amber Glass
- **A8** = 8oz Glass Amber

Sample rejection : Reason: _____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers	___	✓	___
Custody Seals Intact	___	✓	___
COC / Sample Label Agreement	✓	___	___
Proper Containers	✓	___	___
Samples Within Holding Times	✓	___	___
All Samples on COC Received	✓	___	___
W1 & D1 Filled to 100ml mark	✓	___	___
Headspace acceptable	___	___	✓

Preservative Added (Date/Time) _____

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge P = Paint
GW = Groundwater PW = Process Water
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	Ni = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composite	ST = Sodium Thiosulfate
	R = Refrigerated
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	ZN = Zinc Acetate
	AC = Ammonium Chloride

Initial: [initials]

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200310009

200310009.01

Collection Date: 03/10/2020 08:00 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	65	mg/L	6	C24	SM 2540D 22nd Ed.	03/11/2020 04:30 PM	DKL
Nitrate	Nitrate-N	9.5	mg/L	0.2	C24	SM 4110B 22nd Ed.	03/10/2020 04:15 PM	CK
Nitrite	Nitrite-N	0.5	mg/L	0.2	C24	SM 4110B 22nd Ed.	03/10/2020 04:15 PM	CK
Total Nitrogen	Total Nitrogen	34.2	mg/L		C24	SM 4500N A	03/18/2020 09:00 AM	PGR
CBOD	CBOD	21	mg/L	4	C24	SM 5210B (2011)	03/11/2020 04:30 PM	MDC

200310009.02

Collection Date: 03/10/2020 08:00 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	19.0	mg/L	0.2	C24	SM 4500-NH3 D (2011)	03/11/2020 04:30 PM	MDC
Total Kjedhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	24.2	mg/L	0.2	C24	SM 4500-Norg/D 22nd Ed.	03/16/2020 10:10 AM	CK
Total Phosphorous	Total Phosphorus	6.09	mg/L	0.03	C24	SM 4500-P B.5/E 21st	03/12/2020 01:00 PM	MDC

200310009.03

Collection Date: 03/10/2020 09:10 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	60000	col/100mL	1	Grab	SM 9223B	03/10/2020 01:05 PM	MDC

200310009.04

Collection Date: 03/10/2020 08:50 AM
Sampled By: Daniel Kidd
Project: Wastewater
Sample Description: Brandenburg WWTP Effluent
Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	0.01	mg/L	0.01	Grab	HACH 8167	03/10/2020 08:50 AM	DAK
D.O.	Dissolved Oxygen	10.3	mg/L	0.1	Grab	SM 4500-O G 21st	03/10/2020 08:50 AM	DAK
pH	pH	8.73	SU		Grab	SM4500 H+ B	03/10/2020 08:50 AM	DAK
Temperature	Temperature	14.3	C		Grab	SM 2550B 21st	03/10/2020 08:50 AM	DAK

RP200318022

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200310009

200310009.05 **Collection Date:** 03/10/2020 08:00 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	588	mg/L	6	C24	SM 2540D 22nd Ed.	03/11/2020 04:30 PM	DKL
CBOD	CBOD	531	mg/L	4	C24	SM 5210B (2011)	03/11/2020 04:30 PM	MDC

200310009.06 **Collection Date:** 03/10/2020 08:00 AM **Sampled By:** Daniel Kidd
Project: Wastewater **Sample Description:** Brandenburg WWTP Influent **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
Ammonia	Ammonia	39.5	mg/L	0.2	C24	SM 4500-NH3 D (2011)	03/11/2020 04:30 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200318022

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 3 Year: 20

*Job ID:200310009

Brandenburg WWTP

Special Instructions:

Calibration ID: OK2020310

Facility Information		Send Results To: (same as client info ☐ yes ☐ no)		Billing Information (same as client info ☐ yes ☐ no)	
Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP	Client Name	Brandenburg WWTP
Address	Buttermilk Falls Rd.	Address	PO Box 305	Address	PO Box 305
Cty, St, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108	City, State, ZIP	Brandenburg, KY 40108
Phone		Phone / Fax	270-547-0224	Contact Name:	Mr. Thomas J. Hughes
		E-mail	tjhughes@bbtel.com		

PWS ID (if applicable) KY0021474

Compliance (Y/N) Y State KY

Samples chlorinated (Y/N)

Collected by (please print): D. Hughes / D.K. Kidd

(signature): D. Hughes / David Kidd

P.O. Number

1 X Month

Bottle ID (Lab Use Only)	Collection Day Start / Stop	Collection Time (24Hr) Start / Stop	Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	Field Data DO (Mg/L)	Field Data Cl2 (mg/L) Free	Field Data Cl2 (mg/L) Total	Field Data Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	9/10	0800/0800	Effluent	CBOD, TSS, NO2, NO3, Total Nitrogen						C24	1	P10	WW	R		
	9/10	0800/0800	Effluent	TKN, NH3, TP						C24	1	P10	WW	SA		
	10	0910	Effluent	E-Coli						G	1	W1	WW	ST	BT	
	10	0850	Effluent	Field Data	8.73 √	10.3 √		0.01 √	14.3 √	G			WW			
			Effluent Flow .232													
	9/10	0800/0800	Influent	CBOD, TSS						C24	1	P10	WW	R		
			Influent Flow 216,651													

Relinquished by:	Received by:	Date	Time
Dillon Jones	David Kidd	3-10-2020	0914
David Kidd	Dawn Davis	3-10-2020	1230

Comments:

Type of Container

G10 = 1000ml Glass
G5 = 500ml Glass
P10 = 1000ml Plastic
H40 = 40ml Headspace
SG = 16 Oz Glass - Soil
W1 = 120ml Plastic Sterile
D1 = 120ml Plastic Sterile
P25 = 250ml Plastic
P1 = 100ml Plastic
4LC = 4 Liter Cube
1LC = 1 Liter Cube

Sample rejection : Reason:

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice 1 Blue Ice

Sample Integrity

	Yes	No	N/A
Broken Containers		✓	
Custody Seals Intact	✓		
COC / Sample Label Agreement	✓		
Proper Containers	✓		
Samples Within Holding Times	✓		
All Samples on COC Received	✓		
W1 & D1 Filled to 100ml mark	✓		
Headspace acceptable			✓

Preservative Added (Date/Time)

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge
GW = Groundwater P = Paint
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	NI = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
C12 - 12Hr Composite	HA = Hydrochloric Acid (HCl_3)
C24 - 24Hr Composite	SH = Sodium Hydroxide (NaOH)
C - Composi	ST = Sodium Thiosulfate
	ZN = Zinc Acetate
	SS = Sodium Sulfite
	AA = Ascorbic Acid
	R = Refrigerated (<4° C)

Initial: KD

Beckmar
ENVIRONMENTAL LABORATORY

Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Brandenburg WWTP
PO Box 305
Brandenburg , KY, 40108

Beckmar Certificate Of Analysis 200311010

200311010.01 **Collection Date:** 03/11/2020 01:07 PM **Sampled By:** Client
Project: E-coli **Sample Description:** Effluent Resample 1 **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	31	col/100mL	1	Grab	SM 9223B	03/11/2020 03:10 PM	MDC

200311010.02 **Collection Date:** 03/11/2020 01:23 PM **Sampled By:** Client
Project: E-coli **Sample Description:** Effluent Resample 2 **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	<1	col/100mL	1	Grab	SM 9223B	03/11/2020 03:10 PM	MDC

Thank You,

Paul D Barker

Paul Barker
Lab Manager

RP200316060

Beckmar Environmental Laboratory
3251 Ruckriegel Parkway
Louisville, KY 40299
Phone: (502) 266-6533
Fax: (502) 266-6446
www.beckmarlab.com

Beckmar

CHAIN OF CUSTODY
AND ANALYTICAL REQUEST

Month: 3 **Year:** 20

*Job ID:200311010

Brandenburg WWTP

Special Instructions:

Calibration ID: _____

Facility Location & Contact Information	Send Results To: (same as client info ☐ yes ☐ no)	Billing Information (same as client info ☐ yes ☐ no)	Permit ID (if applicable)
Client Name Brandenburg	Client Name	Client Name	Compliance (Y/N) State:
Address	Address	Address	Samples chlorinated (Y/N)
City, St, ZIP	City, State, ZIP	City, State, ZIP	
Phone	Phone / Fax	Contact Name	
Contact	E-mail	A.P. Email	
Collected by (please print): Client	(signature): Client	P.O. Number:	Sample Frequency

Bottle ID (Lab Use Only)	Collection Day	Collection Time	Project ID: / Sample Point / Description	Analysis Requested	Field Data pH (S.U.)	DO (Mg/L)	Cl_2 (mg/L) Free	Cl_2 (mg/L) Total	Temp. (°C)	Collection Type (See Bottom Right)	Number of Containers	Type of Container (See Bottom Center)	Matrix Code (See Bottom Right)	Preservative Code (See Bottom Right)	Initial Laboratory Location	Preservative Added in-house (Y/N)
	11	1307	EFF	Ecoli Resample 1											BT	
	11	1323	EFF	Ecoli Resample 2											BT	

Relinquished by:	Received by:	Date	Time
Client	Dave Kuss	3-11-20	1328
Dave Kuss	Dave Davis	3-11-2020	1450

Comments:

Type of Container

- G10 = 1000ml Glass
- G5 = 500ml Glass
- P10 = 1000ml Plastic
- H40c = 40ml Headspace Clear
- H40a = 40ml Headspace Amber
- SG = 16 Oz Glass - Soil
- W1 = 120ml Plastic Sterile
- D1 = 120ml Plastic Sterile
- P25 = 250ml Plastic
- P1 = 100ml Plastic
- 4LC = 4 Liter Cube
- 1LC = 1 Liter Cube
- G2 = 250ml Glass
- VA = 1000ml Virgin Amber Glass
- A8 = 8oz Glass Amber

Sample rejection : Reason: _____

Temp. At Receipt 3 °C

Check Applicable Field Wet Ice ✓ Blue Ice ____

Sample Integrity

	Yes	No	N/A
Broken Containers	____	✓	____
Custody Seals Intact	____	____	____
COC / Sample Label Agreement	✓	____	____
Proper Containers	✓	____	____
Samples Within Holding Times	✓	____	____
All Samples on COC Received	✓	____	____
W1 & D1 Filled to 100ml mark	✓	____	____
Headspace acceptable	____	____	✓

Preservative Added (Date/Time) _____

Matrix Codes

DW = Drinking Water S = Soil O = Other
WW = Wastewater SL = Sludge P = Paint
GW = Groundwater PW = Process Water
SW = Surface Water V = Vegetation

Collection Types	Preservative Codes
G - Grab	Ni = Nitric Acid (HNO_3)
C8 - 8Hr Composite	SA = Sulfuric Acid (H_2SO_4)
	HA = Hydrochloric Acid (HCl_3)
	SH = Sodium Hydroxide (NaOH)
C12 - 12Hr Composite	ST = Sodium Thiosulfate
	R = Refrigerated
C24 - 24Hr Composite	SS = Sodium Sulfite
	AA = Ascorbic Acid
C - Composite	ZN = Zinc Acetate
	AC = Ammonium Chloride

Initial: KV

INTERLOCAL AGREEMENT

Between the City of Brandenburg and the County of Meade

WHEREAS, the City of Brandenburg owns a parcel of land, more particularly described in Deed Book 301, Page 15 in the Office of the Meade County Clerk, which holds a wastewater treatment plant currently in use by the City of Brandenburg; and

WHEREAS, a portion of said property must be vacated to allow for the construction of the proposed NUCOR Steel plant, thereby making the wastewater treatment plant unusable; and

WHEREAS, it is understood that the City of Brandenburg will face a significant expense in building the new Wastewater Treatment Plant as a result of the NUCOR Steel construction; and

WHEREAS, there is an agreement for the City of Brandenburg to retain approximately five (5) acres of the above property for the construction of a new Wastewater Treatment Plant to be owned and controlled by the City of Brandenburg; and

WHEREAS, it is understood that the County of Meade will receive financial payments from NUCOR Steel; and

WHEREAS, it is the belief of both the County of Meade and the City of Brandenburg that the construction of NUCOR Steel will be of great benefit to the communities of both entities; and

WHEREAS, the County of Meade desires to contribute a portion of the cost of the new Wastewater Treatment Plant attributable to the City of Brandenburg in order to facilitate the agreement with NUCOR Steel, thereby creating substantial economic benefit for the County of Meade; and

WHEREAS, the City of Brandenburg and the County of Meade, Kentucky desire to enter into an interlocal agreement in reference thereto;

NOW THEREFORE, the City of Brandenburg and the County of Meade agree to these terms as follows:

(1) The Meade County Judge Executive and the Mayor of the City of Brandenburg shall serve as Co-Administrators of this joint and cooperative undertaking;

(2) The duration of this agreement shall be for a period of time necessary to complete the construction of the Wastewater Treatment Plant and for the financing of such plant to be paid in full, but shall not exceed twenty-one (21) years without the consent of both parties for good cause shown;

(3) The purpose of this agreement is to share the cost of a new Wastewater Treatment Plant between the County of Meade and the City of Brandenburg in order to facilitate the agreement with NUCOR Steel to construct a new steel plant in Meade County;

(4) The City of Brandenburg will procure financing for the construction of a new Wastewater Treatment Plant and make yearly payments against the balance;

(5) The County of Meade will make yearly payments to the City of Brandenburg in an amount equal to fifty percent (50%) of the yearly cost incurred by the City of Brandenburg for the Wastewater Treatment Plant construction loan payment.

(6) Before this agreement shall become operative, it shall be executed by the County Judge Executive and the Mayor of the City of Brandenburg, approved by the Department for Local Government, and shall be filed with the Meade County Clerk and with the Secretary of State as required by KRS 65.290.

Dated this 14th day of January 2020.

COUNTY OF MEADE

BY: _____
COUNTY JUDGE EXECUTIVE

ATTEST:
_____
MEADE COUNTY CLERK

CITY OF BRANDENBURG

BY: _____
MAYOR

ATTEST:
_____
BRANDENBURG CITY CLERK

APPROVED BY THE DEPARTMENT FOR LOCAL GOVERNMENT
this the ___ day of _____2020.

_____
SANDY DUNAHOO, COMMISSIONER
DEPT. FOR LOCAL GOVERNMENT

This Instrument was prepared by:

Rachel L. Brown
City Attorney
City of Brandenburg
737 High Street,
Brandenburg, KY 40108

INTERLOCAL COOPERATION AGREEMENT

ICA 20-~~007~~ 010: The City of Brandenburg, Kentucky, and the County of Meade, Kentucky; *Wastewater Treatment Plan Cost Sharing*

Reviewed as to compliance with KRS 65.210 to 65.300
and recommended for approval:

BWP

Bill Pauley
Staff Attorney
Department for Local Government

3/16/2020
Date

Approved:

D Keene

Dennis Keene
Commissioner
Department for Local Government

3-16-20
Date

City of Brandenburg
Wastewater Treatment Plant Public-Private Partnership
Request for Proposals Addendum #2

Overview

The Request for Proposals ("RFP") issued on February 18, 2020 is clarified and modified as set forth in this addendum. The original RFP Documents remain in full force and effect, except as modified by Addendum #1 and this Addendum, which is hereby incorporated into the RFP. Respondents shall take this Addendum into consideration when preparing and submitting their Proposal.

This Addendum addresses some of the questions the City of Brandenburg (the "City") has received in writing or during the mandatory meetings. The City anticipates answering the remaining questions it has received or will receive in future addenda.

Questions and Answers

Number	Question	Response
37	How has the Project schedule changed due to COVID-19?	The Project timeline has been adjusted to the following: ***Optional Site Visit**: May 6, 2020 at 10:00amEST **Final Written Questions Due:** May 7, 2020 **Brandenburg's Response to Final Set of Written Questions:** May 11, 2020 **Private Partner Proposal Due:** May 18, 2020 at 3:00pmEST **Short list of Private Partner Interviews**: June 1-5, 2020 **Selection of Private Partner:** Week of June 8, 2020 *Attendees must register for the site visit by emailing BrandenburgRFP@gmail.com.
36	Does the City have a preferred technology it wishes to be employed?	Respondents are encouraged to propose the best technological solution to meet the City's needs.

35	Will a sign in sheet for the second mandatory meeting be available?	Copies of the sign-in sheet may be obtained by emailing a request to BrandenburgRFP@gmail.com.
34	Does the City reserve the right to be able to use a financing option from one proposal (a losing proposal) with a Design-Build option from another proposal?	Yes. The City will evaluate proposals for the Financing Component separately from the proposals for the Design-Build Component using the criteria in RFP Section 3.5. Respondents who submit proposals addressing multiple components are welcome to articulate the benefits to the City of selecting those components from the same Private Partner team.
33	Are there any existing civil site plans available for the existing WWTP and also any gravity sewer plans available?	Respondents may request specific documents to BrandenburgRFP@gmail.com. The City reserves the right to require Respondents sign a nondisclosure agreement before sharing documents.
32	Have all environmental and archaeological investigations and regulatory permitting (i.e. Corps) been completed? Has a site and boundary survey been completed? Has a preliminary geotechnical investigation been completed? If not, is it intended that they will be a part of the Team's scope of work?	The City has ordered a geotechnical investigation, which it expects to be completed soon. The City is unaware whether an archaeological investigation has been conducted. A new site and boundary survey has not been completed. Respondents will be responsible for complying with all legally required surveys not completed by the City.
31	When would project be awarded if City provides funding?	We do not anticipate a difference in the timeline if the City uses public or private funding.

30	Will the proposals be considered public information? Can we see other proposals after everyone has turned them in?	Pursuant to KRS 61.878, no proposals will be subject to Open Records until: (1) The contract is awarded; or (2) The procurement process is cancelled without award of a contract and there is a determination that the contract will not be resolicited. Section 4.2 of the RFP addresses how Respondents should address documents containing proprietary or confidential information or trade secrets.
29	Sections 1.3.6. and 1.3.8. mention "budget". What is the budget?	The City will determine its budget upon awarding the contract. Bidders should be creative with their proposals.
28	What generator is question 17 in Addendum No.1 referring to, the one at the pump station?	Yes.
27	What is the bond percentage or amount requirements per bond?	Respondents who submit a financing proposal are encouraged to submit one that results in financing the project at the lowest net interest cost.
26	If it cannot be used as part of the new WWTP site plan, then does the existing asphalt drive need to be removed as part of the demolition?	No, the road does not need to be removed.