



INVITATION TO BID

Project Number 60810108/1661

Project Title Birmingham WWTP Biosolids Land Application Procurement

The **Water Services** Department of Kansas City, Missouri will receive sealed Bids until 2:00 PM, on **July 26, 2022** at **4800 East 63rd Street, Kansas City, MO 64130**, Attn: **Leona Walton** for **Project No. 60810108, Contract No. 1661 – Birmingham WWTP Biosolids Land Application Procurement**. Bids will be opened thereafter at 4800 East 63rd Street via Microsoft Teams:

https://teams.microsoft.com/join/19%3ameeting_MzcuZmZINDMtNjNhOC00Njk5LWlwOTMtZWY5NGVjOGNjYzQ4%40thread.v2/0?context=%7b%22Tid%22%3a%22ec240911-5979-4419-a8ec-c808b076019b%22%2c%22Oid%22%3a%224ddae989-f103-410f-ba81-85bc83b0a7d2%22%7d

City desires that Minority Business Enterprises (MBE) and Women's Business Enterprises (WBE) have a maximum opportunity to participate in the performance of City contracts. The goals for this specific Project are (_1_) MBE participation and (_1_) WBE participation.

Bidding Documents will be available online to all interested parties at the Kansas City, Missouri Plan Room, <http://www.kcmoplanroom.org>. All addenda will be posted at this location. Any document or plan may be viewed or downloaded from this location.

There will not be an additional Pre-Bid Conference (previously held on May 2nd, 2022); however, if Bidders would like to conduct Site Visits, those requests will be accommodated as schedule allows.

Project Manager: Kevin White
Phone Number: 816-513-0213
E-mail: Kevin.White@kcmo.org

Contract Administrator: Leona Walton
Phone Number: 816-513-0220
E-mail: Leona.Walton@kcmo.org

View all procurement and contracting opportunities at <http://www.kcmo.org>



INSTRUCTIONS TO BIDDERS

Project/Contract Numbers 60810108/1661

Project Title Birmingham WWTP Biosolids Land Application Procurement

1. Sealed Bids for ***Birmingham WWTP Biosolids Land Application Procurement, Project Number 60810108/Contract Number 1661*** will be received by the Water Services Department at ***4800 East 63rd Street, Kansas City, MO 64130*** until 2:00 P.M., July 26, 2022 at which time bidding will be closed.

- a. All Bids will be opened and read aloud. The Bid Envelope must contain all required submissions to be included with the Bid. No Bid may be withdrawn for a period of ninety (90) days after the Bid is opened. Bid security shall likewise continue for the same ninety (90) days unless earlier released by the City. The successful Bidder shall comply with all Bidding and contract requirements. Bids, once opened and read, may not be withdrawn without forfeiture of the Bid security.
- b. All Bids shall be addressed to the Contract Administrator, shall state on the outside of the sealed Bid envelope "Bid Enclosed", title and Project number, and shall be deposited in the locked Bid box. All Bids must comply with the Bidding Requirements of Kansas City, Missouri (CITY).

2. Consideration of Bids

- a. The City will determine the lowest and best Bid. The City may reject any or all bids. If the City rejects all Bids, the City may: (1) resolicit Bids following the City's normal solicitation procedure; or (2) solicit Bids only from those Bidders that submitted a Bid pursuant to the original solicitation; or (3) use an expedited Bid submission schedule with or without re-advertising or issuing any other public notice when the City determines that the delay from the normal City solicitation procedure would not be in the City's best interests.
- b. Alternates. If this solicitation includes Bid Alternates, the City, in its sole discretion, may include any, all or none of the Alternates in determining the lowest and best Bid. In determining lowest and best Bid, the City may include the Alternates in any combination and in any order or priority or choose none of the Alternates. The City may make this determination at any time after Bid Closing and prior to Contract award. The City will act in the best interest of the City in determining whether to include any, all or none of the Alternates and the combination and priority of any Alternates selected. If additional funding becomes available after Contract award, City may add any or all of the Alternates to the Contract by change order.

3. Evidence of Competency to Perform. Each bidder shall furnish with the bid satisfactory evidence of Bidder's competency to perform the proposed work. Such evidence of competency shall consist of the following:

- a. Completed Form 00410.01 Experience Reference Summary for three projects of similar scope performed within the past 5 years including the name, address and telephone number of the contact person having knowledge of the project and the dollar value of the project.
- b. Statement that, during the three (3) years immediately preceding the date of the Bid, Bidder has received no written notices of violations of any federal or state prevailing wage statute in which prevailing wage penalties were assessed against the Bidder or Bidder has been found in such but has made restitution to affected workmen and complied with any statutory penalty; and a statement that Bidder is current on payment of Federal and State income tax withholdings and unemployment insurance payments

- c. Statement that Bidder participates in a training program that facilitates entry into the construction industry and which may include an on-the-job or in-house training program. By submitting its Bid, Bidder is agreeing to timely submit during the 48 hours after Bid opening an affidavit of describing such program and Bidder's participation.
- d. Identify the following Key Personnel proposed for the Project. (**NOTE:** Key Personnel must be committed to the Project for its duration, and may not be removed or substituted without the City's prior written consent.)
 - (1) GC Project Manager
 - (2) On-Site Field Superintendent
 - (3) QC/QA Manager
 - (4) Safety Officer
- e. For each of the Key Personnel, provide the following background information.
 - (1) Years of employment with current employer
 - (2) City of residence
 - (3) Identify any other projects this person will be involved with concurrently with the Project, and state the time commitment for the Project and each other project
 - (4) Discuss professional registrations, education, certifications, and credentials held by this person that are applicable to the Project
- f. Discuss generally the tasks involved in the Project.
- g. Illustrate clearly and concisely Bidder's understanding of the technical elements that must be addressed for successful completion of the Project.
- h. Submit a bid schedule with anticipated milestones for the Project using Microsoft Project 2007 or later format.
- i. Describe key issues that might affect the Project schedule and how Bidder proposes to address them.
- j. Summary of the Project Safety Plan for the Project.
 - (1) Describe how Bidder proposes to address any unique safety issues for the Project
 - (2) Describe your safety record and environmental compliance record along with your Firm's OSHA reportable accident rates on recent comparable size projects
 - (3) Statement of Bidder's Experience Modification Ratio (EMR)
- k. Discuss Bidder's understanding of the traffic control required for the Project, if applicable, and how traffic control will impact the Project schedule. Discuss any major traffic control issues that need to be addressed and Bidder's proposed solutions.
- l. Identify any other special issues or problems that are likely to be encountered. Outline the manner in which Bidder suggests resolving them.
- m. Outline key community relations issues and how they might be resolved.
- n. Describe any difficulties Bidder anticipates encountering in serving the City, in light of the City's status as a municipality and public entity. Explain how Bidder plans to manage them.
- o. Summary of Bidder's Quality Assurance/Quality Control Plan for this project
- p. Statement regarding all work performed two (2) years immediately preceding the date of the Bid, that contains either (a) a contract by contract listing of any written notices of violations of any federal or state prevailing wage statute in which prevailing wage penalties were assessed against the Bidder or paid by the Bidder; or (b) a statement that there have been no such written notices

of violations or such penalties assessed; and a statement that Bidder is current on payment of Federal and State income tax withholdings and unemployment insurance payments

- q. Statement regarding all work performed two (2) years immediately preceding the date of the Bid, that contains either (a) a contract by contract listing of any written notices of violations of any federal, state or local DBE/MBE/WBE Program and any damages assessed; or (b) a statement that there have been no such written notices of violations or such penalties assessed; and a statement that Program requirements have been met.
- r. Statement that the Bidder has not been rescinded or debarred from any bidding, contractual, procurement, or other such programs by federal, state or local entities.
- s. Statement that Bidder is current on payment of Federal and State income tax withholdings and unemployment insurance payments
- t. Statement of Bidder's litigation and/or arbitration history over the past five (5) years including final ruling.
- u. Statement of Bidder's bond history over the past five (5) years including any incidences of failure to perform.
- v. MBE / WBE past project performance and compliance with participation goals in comparable size commercial projects
- w. Other.

4. Waiver of Bid Requirements The City Manager or his delegate at any time may waive any requirements imposed by this solicitation or by any City regulation when failure to grant the waiver will result in an increased cost to the City and the requirement waived would be waived for all Bidders for this solicitation and it is in the best interest of the City to grant the waiver. The City Council at any time may waive any requirements imposed in this solicitation by the City's Code of Ordinances when it finds failure to grant the waiver will result in an increased cost to the City and the waived requirement would be waived for all Bidders for this solicitation and it is in the best interest of the City to grant the waiver. The City reserves the right to waive any irregularities and/or formalities as deemed appropriate.

5. Late Bids Bids and modifications of Bids received after the exact hour and date specified for receipt will not be considered unless: (1) the Bid is sent via the U.S. Postal Service, common carrier or contract carrier, by a delivery method that guarantees the Bid will be delivered to the City prior to the submission deadline; or (2) if the Bid is submitted by mail, common carrier or contract carrier it is determined by the City that the late receipt was due solely to an error by the U.S Postal Service, common carrier or contract carrier; or (3) the Bid is timely delivered to the City but is at a different City location than that specified in this IFB; or (4) the City extends the time after the deadline for a force majeure event that could potentially affect any or all Bidders meeting the deadline.

6. Interpretations and Addenda All questions about the meaning or intent of the Bidding Documents may be directed to the Project Manager listed at the end of these Instructions to Bidders. Interpretations or clarifications considered necessary by the Project Manager in response to such questions will be issued by Addenda to all parties recorded as having received the Bidding Documents. Questions received less than ten (10) days prior to the date for opening of Bids may not be answered. Only answers issued by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. Addenda may also be issued to modify the Bidding Documents as deemed advisable by the City.

7. Bid Security Requirements All Bids submitted must be accompanied by a Bid deposit in the amount of five percent (5%) of the base Bid which shall be in the form of a Bid Bond (on the form provided in these Bidding Documents), Cashier's Check, Letter of Credit, Certificate of Deposit or other instrument approved in advance by the City. Prior to submittal of the Bid the City Treasurer must approve both the financial institution and text of a Letter of Credit. A Cashier's Check or a Certificate of Deposit shall be payable to the City Treasurer.

8. Forfeiture of Security If a Bidder fails or refuses to execute the Contract when requested by the City, any Bid security given to the City shall immediately become due and payable and forfeited to the City as liquidated damages.

9. Mistake in Bid Security By submitting a Bid, Bidder is agreeing to correct any mistakes on a Bid security submission when requested by the City. When such a mistake occurs and a Bidder fails or refuses to correct the mistake or execute the Contract when requested by the City, any Bid security shall be forfeited to the City and the Bidder shall also be subject to debarment and damages.

10. Bids that Exceed the Engineer's Estimate The City may offer the apparent lowest and best Bidders the option of performing the Work for the Engineer's estimate for the Project with no changes to the Bid requirements or scope of the Project if the Bid is not more than five percent higher than the Engineer's estimate.

11. Post Bid Required Submissions The successful Bidder will be required to submit the following documents with the signed copies of the Bid Form/Contract or within the timeframes specified in the Notice of Intent to Contract letter. Copies of the City's forms that the successful Bidder will be required to sign are bound into this Project Manual for information:

- a. Properly signed, dated, and sealed Performance and Maintenance Bond and Payment Bond;
- b. Properly completed certificates of insurance;
- c. Copies of licenses required by the City to do the Work; and
- d. A copy of CONTRACTOR's current Certificate of Good Standing or Fictitious Name Registration from the Missouri Secretary of State, or other acceptable proof.

12. Indemnification – City of Kansas City The contract documents contains a requirement that Contractor shall indemnify, defend and hold harmless the City and any of its agencies, officials, officers, or employees from and against all claims, damages, liability, losses, costs, and expenses, including reasonable attorneys' fees, arising out of or resulting from any acts or omissions in connection with the contract, caused in whole or in part by Contractor, its employees, agents, or Subcontractors, or caused by others for whom Contractor is liable, including negligent acts or omissions of the City, its agencies, officials, officers, or employees. The contract requires Contractor to obtain specified limits of insurance to insure the indemnity obligation. Contractor has the opportunity to recover the cost of the required insurance in the Contract Price by including the cost of that insurance in the Bid amount.

13. City's Buy American and Missouri Preference Policies It is the policy of the City that any manufactured goods or commodities used or supplied in the performance of any City contract or any subcontract thereto shall be manufactured or produced in the United States whenever possible. When Bids offer quality, price, conformity with specifications, term of delivery and other conditions imposed in the specifications that are equal, the City shall select the Bid that uses manufactured goods or commodities that are manufactured or produced in the United States. The City shall give preference to all commodities manufactured, produced, or grown within the State of Missouri and to all firms, corporations, or individuals doing business as Missouri firms, corporations or individuals, when quality is equal or better and delivered price is the same or less. It is the bidder's responsibility to claim these preferences.

14. Affirmative Action It is the policy of the City that any person or entity entering into a contract with the City, will employ applicants and treat employees equally without regard to their race, color, sex, religion, national origin or ancestry, disability, sexual orientation, gender identity or age. Bidder will be required to comply with the City's Affirmative Action ordinance if Bidder is awarded a contract from the City totaling more than \$300,000.00. If you have any questions regarding the City's Affirmative Action requirements, please contact HRD at (816) 513-1836 or visit the City's website at www.kcmo.gov.

15. Tax Clearance Bidder will be required to furnish to CITY sufficient proof from City's Commissioner of Revenue, verifying that Bidder is in compliance with the license and tax ordinances administered by City's Revenue Division as a precondition to CITY making its first payment under any CONTRACT over \$160,000.00. Bidder will also be required to obtain proof of City tax compliance from all of its Subcontractors prior to the Subcontractors performing any Work.

16. Substitutions or "Or-Equal" Items The procedure for submission of substitutions or "or-equal" items is set forth in the General Conditions and Supplementary Conditions.

17. Prevailing Wage Requirements The successful Bidder shall pay the prevailing hourly rate of wages as determined by the Missouri Annual Wage Order and/or Federal Wage Determination set forth in the Project Manual. In case of a conflict between Missouri and Federal wage rates, the higher rate shall apply.

Successful Bidder shall be required to use City's Internet web based Prevailing Wage Reporting System provided by City and protocols included in that software during the term of this Contract. When requested by the City, Bidder shall submit user applications to City's provided Prevailing Wage Reporting System for all applicable personnel and shall require subcontractors to submit same.

18. Contract Information Management System. Successful Bidder shall be required to use City's Internet web based Contract Information Management System/Project Management Communications Tool provided by City and protocols included in that software during the term of this Contract. Bidder/Proposer shall submit user applications to City's provided Contract Information Management System for all personnel, subcontractors or suppliers as applicable.

19. MBE/WBE Program Requirements City desires that Minority Business Enterprises (MBE) and Women's Business Enterprises (WBE) have a maximum opportunity to participate in the performance of City contracts. The goals for this specific Project are (1%) MBE participation and (1%) WBE participation. The City's HRD Forms and HRD Instructions for Construction Projects are incorporated into these Bidding Documents and the Contract Documents. The MBE/WBE Directory is available on the City's website at www.kcmo.gov. Please call the Human Relations Department at (816) 513-1836 for assistance.

Successful Bidder shall be required to use City's Internet web based MBE/WBE Program Reporting System provided by City and protocols included in that software during the term of this Contract. When requested by the City, Bidder shall submit user applications to City's provided MBE/WBE Program Reporting System for all applicable personnel and shall require subcontractors/subconsultants to submit same.

20. Waiver of MBE/WBE Requirements The City Council may waive any and all MBE/WBE requirements imposed by any Bidding Document or the MBE/WBE Ordinance and Contract with the lowest and best Bidder if the City Council determines a waiver is in the best interests of the City.

21. Forfeiture of Bid Bond for Failure to Make MBE/WBE Submissions By submitting its Bid, Bidder is agreeing to the following: (1) Bidder has made by Bid opening a good faith effort to meet the MBE/WBE goals established for the Project; or Bidder will continue to make during the 48 hours after Bid opening a good faith effort to meet the MBE/WBE goals established for the Project; and (2) Bidder will timely submit its 00450 HRD Construction Contractor Utilization Plan/Request for Waiver (HRD Form 8) and 00450.01 Letter of Intent to Subcontract for each MBE/WBE listed on the 00450 HRD Construction Contractor Utilization Plan/Request for Waiver; and (3) Bidder will submit documentation of its good faith efforts to meet the MBE/WBE goals when requested by the City. Failure to meet these requirements in good faith will result in Bidder being debarred and forfeiting its Bid Bond.

22. Workforce Program Requirements. City desires that minorities and women have a maximum opportunity to practice their trades on city construction projects. The minimum company-wide goals are a ten percent (10%) minority workforce and two percent (2%) women workforce. The City's HRD Forms and HRD Instructions for Construction Projects are incorporated into these Bidding Documents and the Contract Documents.

Successful Bidder shall be required to use City's Internet web based Workforce Program Reporting System provided by City and protocols included in that software during the term of this Contract. When requested by the City, Bidder shall submit user applications to City's provided Workforce Program Reporting System for all applicable personnel and shall require subcontractors to submit same.

23. Subcontractors, Suppliers and Others

a. If the Contract Documents require the identity of certain Subcontractors, Suppliers and other persons and organizations (including those who are to furnish the principal items of material and equipment) to be submitted to City, the apparent lowest and best Bidder, and any other Bidder so requested, shall submit to City a list of all such Subcontractors, Suppliers and other persons and organizations proposed for those portions of the Work for which such identification is required. An experience statement shall accompany such list with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier or organization if requested by City. If City has reasonable objection to any

proposed Subcontractor, Supplier or other person or organization, City may request the apparent lowest and best Bidder to submit an acceptable substitute without an increase in Bid price.

b. By submitting its Bid, Bidder agrees that it has read and understands all the provisions of the Contract, concerning subcontractors, suppliers and others, and that it will comply with all those provisions including but not limited to mandatory mediation of disputes and the prohibition against paid-if-paid and paid-when-paid contract clauses. It is the City's expectation that all Subcontractors and Suppliers will be treated fairly and in good faith by the successful Bidders and that the successful Bidder will make all reasonable efforts to resolve contract disputes with a Subcontractor or Supplier in a prompt and fair manner. If the City is notified by a Subcontractor or Supplier of a contract claim with the successful Bidder, City will notify the successful Bidder and will request prompt resolution of the claim. City will provide any such Subcontractor or Supplier information regarding mandatory mediation as well as a copy of the Payment Bond. City may notify the Surety that City has taken cognizance of such claim.

c. In accordance with the Missouri Prompt Payment Act, City reserves the right to withhold payment(s) in good faith from the successful Bidder due to: i) the successful Bidder's failure to comply with any material provision of the contract; ii) third party claims filed or reasonable evidence that a claim will be filed; iii) the successful Bidder's failure to make timely payments for labor, equipment or materials; or iv) for damage to a Subcontractor or Supplier.

d. By submitting its Bid, Bidder agrees it will not deny any Subcontractor subcontracting opportunities solely because the Subcontractor is not a signatory to collective bargaining agreements with organized labor.

e. The provisions of Section 25 of the Contract are a material term of the Contract with the City and failure by the successful Bidder to comply with the provisions of this section will be taken into consideration by City in making the determination of lowest and best bidder in any subsequent City contracts.

24. **Pre-Bid Conference** The KC Water Department will not hold an additional Pre-Bid Conference to the one previously held on May 2, 2022.

25. **On-Site Inspection** The Project Site will be available for inspection by Bidders. Bidders visiting the Project Site shall be responsible for their own safety. The Project Site shall be available for inspection by appointment from 10:00 AM to 2:00 PM each day Monday through Friday (holidays excepted). Bidders may contact the following individual from the Water Services Department for an appointment.

Contact: Kevin White
Phone: (816) 513-0213
E-mail: kevin.white@kcmo.org

26. **Signatures** Each copy of the Bid Form/Contract must be signed and properly dated by the following, as applicable:

Limited Liability Company:

☐ a member of the limited liability Company authorized to sign on behalf of the company.

Partnership:

☐ a partner authorized to sign on behalf of the partnership.

Sole Proprietor:

☐ the proprietor.

Joint Venture:

☐ the parties to the Joint Venture authorized to sign on behalf of each party to the Joint Venture, or a person authorized by each party to the Joint Venture to sign on behalf of all parties to the Joint Venture.

Corporation:

- ☐ a corporate office authorized to sign on behalf of the corporation. Corporation's seal must be attached to the signature.

27. Forward all questions in writing to the following Project Manager and Contract Administrator. Questions received less than **seven (7)** days prior to the Bid Date may not be answered. Interpretations or clarifications considered necessary by the Project Manager in response to such questions will be issued by Addenda to all Bidders. Oral or other interpretations or clarifications shall be without legal effect, even if made at a Pre-Bid Meeting.

Kevin White, Project Manager
KC Water, Facilities Engineering
4800 East 63rd Street
Kansas City, Missouri 64130
Phone: (816) 513-0213
E-mail: kevin.white@kcmo.org

Leona Walton, Contract Administration
KC Water, Contract Administration Division
4800 East 63rd Street
Kansas City, Missouri 64130
Phone: (816) 513-0220
E-mail: leona.walton@kcmo.org



For persons with disabilities needing reasonable accommodations please contact Jean Lawson at 816-513-6566. If you need to use the Relay Service, please dial 711.

STANDARD CITY CONTRACT

MASTER CONTRACT FOR SERVICES - THE CITY OF KANSAS CITY, MISSOURI

PROJECT/CONTRACT NOs: 60810108/1661

TITLE/DESCRIPTION: Biosolids Handling and Disposal at the Birmingham Land Application Site located at 10801 NE 28th Street, Kansas City, MO 64161

This Contract is between The City of Kansas City, Missouri ("City") Water Services Department ("KC WSD") and _____ ("CONTRACTOR").

Sec. 1. The Contract. The Contract between the KC WSD and CONTRACTOR consists of the following Contract Documents:

- (a) this Contract;
- (b) CONTRACTOR's Bid dated July 26, 2022 that is attached hereto and incorporated into this Contract;
- (c) CITY's Bid that is incorporated into this Contract by reference;
- (d) State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531 and referenced documents including Standard Conditions Part III;
- (e) Section 445055 – Biosolids Handling and Disposal attached hereto and incorporated into this Contract; and
- (f) Any and all Attachments and Exhibits attached to the Contract. All documents listed in this Section 1 shall be collectively referred to as the "Contract Documents" and are incorporated into this Contract. CITY and CONTRACTOR agree that the terms "Agreement" and "Contract" and "Contract Documents" are used interchangeably in this Contract and the terms "Agreement" and "Contract" and "Contract Documents" each include all "Contract Documents."

Sec. 2. Initial Term of Contract and Additional Periods.

- (a) Initial Term. The initial term of this Contract shall begin when the Department issues a notice to proceed and shall end two (2) years later. The KC Water Department Director is authorized to enter into an amendment of this Contract with CONTRACTOR to extend the term of this Contract and time of performance for this Contract.
- (b) Renewal Terms. At any time prior to the expiration of the initial term or any subsequent term, the CITY, in its sole discretion, may renew this Contract for up to one (1) additional two (2) year term.
- (c) Transition Term. Notwithstanding the expiration of the initial term, or any subsequent

term or all options to renew, CONTRACTOR and CITY shall continue performance under this Contract until the CITY has a new contract in place with either CONTRACTOR or another provider or until the CITY terminates the Contract.

Sec. 3. Compensation and Penalties.

- (a) The maximum amount the CITY shall pay CONTRACTOR under this Contract shall not exceed \$_____. CITY shall pay CONTRACTOR on the following basis:
 - a. Unit rates of biosolids on per gallons (Gal) of sludge (biosolids) processed.
- (b) CONTRACTOR shall bill the CITY, in a form acceptable to the CITY, on the following basis:
 - a. CONTRACTOR may invoice the CITY for gallons of biosolids processed Monthly.
 - b. CONTRACTOR may submit an invoice for the annual price of CONTRACTOR's temporary facilities in their first invoice of each year.
- (c) CITY shall order all services to be provided by CONTRACTOR under this Contract by means of a Purchase Order issued by the CITY's Finance Department for which funds have been certified and encumbered by the City's Director of Finance. CITY shall not have any financial obligations to CONTRACTOR under this Contract until the CITY issues a Purchase Order to CONTRACTOR. CONTRACTOR shall not provide any services in excess of the dollar amount contained in any Purchase Order and CONTRACTOR shall not be entitled to any payment in excess of the dollar amount of the Purchase Orders from CITY.
- (d) CONTRACTOR shall provide a credit of \$50 for each total solids measurement requested in writing by the CONTRACTOR and performed by the CITY (Wastewater Treatment Department [WWTD] Operations Staff).
- (e) CONTRACTOR shall pay a penalty of \$50 per day per wet ton of biosolids stored outside on dry days.
- (f) CONTRACTOR shall pay a penalty of \$100 per day per wet ton of biosolids stored outside on wet days. Wet days are days where one-eighth of an inch of rain fell according to the KC downtown airport rain gauge.
- (g) Each truckload of improperly stored biosolids will be weighed on a truck scale at the CONTRACTOR's expense to determine appropriate tonnage for penalties.

Sec. 4. Effective Date of Contract.

- (a) Notwithstanding Section 2 of this Contract, neither party has any obligation under this Contract until the Deputy Director of KC Water Services issues a Purchase Order which shall be signed by the City's Director of Finance certifying there is a balance, otherwise unencumbered, to the credit of the appropriation to which the expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment will be made, each sufficient to meet the obligation incurred in the Purchase Order.
- (b) The date of the first Purchase Order issued by the CITY is the effective date of this Contract.

- (c) The date of the first Purchase Order issued by the CITY after the CITY renews this Contract shall be the effective date of the renewal term or transition term.

Sec. 5. Invoices.

- (a) CONTRACTOR shall submit to CITY a request for payment (hereinafter "Invoice") for services performed in sufficient detail for the CITY to determine that the amount CONTRACTOR is requesting is in fact due and payable.
- (b) CITY shall not pay any Invoice from CONTRACTOR unless CONTRACTOR is in compliance with, and not in breach or default of, all terms, covenants and conditions of this Contract. If damages are sustained by CITY as a result of breach or default by CONTRACTOR, CITY may withhold payment(s) to CONTRACTOR for the purpose of set off until such time as the exact amount of damages due to CITY from CONTRACTOR may be determined.
- (c) CITY shall not process CONTRACTOR's Invoice unless CONTRACTOR's Invoice is in proper form, correctly computed, and is approved by CITY as payable under the terms of this Contract.
- (d) CITY is not liable for any obligation incurred by CONTRACTOR except as approved under the provisions of this Contract.
- (e) If CONTRACTOR is required to meet minority and women's business enterprises (M/WBE) goals for this Contract, CONTRACTOR shall not submit an Invoice to the City unless CONTRACTOR's Invoice is accompanied by a copy of the most recent 00485.01 M/WBE Monthly Utilization Report submitted by CONTRACTOR to the City's Human Relations Department. CONTRACTOR shall remain current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports. CITY shall not pay CONTRACTOR's Invoice unless CONTRACTOR is current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports.

Sec. 6. Representations and Warranties of Contractor. CONTRACTOR hereby represents and warrants to the CITY the following:

- (a) CONTRACTOR is in good standing under the laws of the State of Missouri and each state in which it does business, except any such state where the failure to be in good standing would not have a material adverse effect on CONTRACTOR's ability to perform this Contract in accordance with its terms.
- (b) The execution, delivery and performance by CONTRACTOR of this Contract have been duly authorized by all necessary corporate action and do not and will not (i) require any consent or approval of CONTRACTOR's board of directors; (ii) require any authorization, consent or approval by, or registration, declaration or filing with, or notice to, any governmental department, commission, board, bureau, agency or instrumentality, or any third party, except such authorization, consent, approval, registration, declaration, filing or notice as has been obtained prior to the date hereof; (iii) violate any provision of any law, rule or regulation or of any order, writ, injunction or decree presently in effect having applicability

to CONTRACTOR or its articles or by-laws; and (iv) result in a breach of or constitute a default under any material agreement, lease or instrument to which CONTRACTOR is a party or by which it or its properties may be bound or affected.

- (c) CONTRACTOR shall not enter into any contract for the services to CITY that purports to grant a security interest or right of repossession to any person or entity respecting the services, or any portions thereof or chattels placed thereon.
- (d) There is no litigation, proceeding or other investigation pending or, to the knowledge of CONTRACTOR, threatened against CONTRACTOR which would prevent consummation of the transaction contemplated by this Contract or would have a materially adverse effect on CONTRACTOR.

Sec. 7. Survival of the Representations, Warranties and Covenants. All representations, warranties and covenants expressed herein shall survive the execution of this Contract for the benefit of the parties hereto.

Sec. 8. Governing Law. This Contract shall be construed and governed in accordance with the laws of the State of Missouri without giving effect to Missouri's choice of law provisions. The CITY and CONTRACTOR: (1) submit to the jurisdiction of the state and federal courts located in Jackson County, Missouri; (2) waive any and all objections to jurisdiction and venue; and (3) will not raise forum *non conveniens* as an objection to the location of any litigation.

Sec. 9. Termination for Convenience. CITY may, no sooner than fifteen days prior to the completion of the Contract Year 2, at any time upon fifteen days written notice to CONTRACTOR specifying the effective date of termination, terminate this contract, in whole or part.

Sec. 10. Default and Remedies.

- (a) If CONTRACTOR shall be in default or breach of any provision of this Contract, CITY may terminate this Contract, suspend CITY's performance, withhold payment, or invoke any other legal or equitable remedy after giving CONTRACTOR ten (10) days written notice and opportunity to cure such default or breach.
- (b) If CITY shall be in default or breach of any provision of this Contract, CONTRACTOR may terminate this Contract or suspend CONTRACTOR's performance after giving CITY ten (10) days written notice and opportunity to cure such default or breach.

Sec. 11. Waiver. Waiver by CITY of any term, covenant, or condition hereof shall not operate as a waiver of any subsequent breach of the same or of any other term, covenant or condition. No term, covenant, or condition of this Contract can be waived except by written consent of CITY, and forbearance or indulgence by CITY in any regard whatsoever shall not constitute a waiver of same to be performed by CONTRACTOR to which the same may apply and, until complete performance by CONTRACTOR of the term, covenant or condition, CITY shall be entitled to invoke any remedy available to it under this Contract or by law despite any such forbearance or indulgence.

Sec. 12. Acceptance. No payment made under this Contract shall be proof of satisfactory performance

of the Contract, either wholly or in part, and no payment shall be construed as acceptance of deficient or unsatisfactory services.

Sec. 13. Records.

(a) For purposes of this Section:

1. "CITY" shall mean the City Auditor, the City's Internal Auditor, the City's Director of Human Relations, the City Manager, the City department administering this Contract and their delegates and agents.
2. "Record" shall mean any document, book, paper, photograph, map, sound recordings or other material, regardless of physical form or characteristics, made or received in connection with this Contract and all Contract amendments and renewals.

(b) CONTRACTOR shall maintain and retain all Records for a term of five (5) years that shall begin after the expiration or termination of this Contract and all Contract amendments. CITY shall have a right to examine or audit all Records, and CONTRACTOR shall provide access to CITY of all Records upon ten (10) days written notice from the CITY.

(c) The books, documents and records of CONTRACTOR in connection with this Contract shall be made available to the City Auditor, the City's Internal Auditor, the City's Director of Human Relations and the City department administering this Contract within ten (10) days after the written request is made.

Sec. 14. Contract Information Management System. Contractor shall comply with City's Contract Information Management System requirements. Contractor shall use City's Internet web based Contract Information Management System/Project Management Communications Tool provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all personnel, subcontractors or suppliers as applicable.

Sec. 15. Affirmative Action. If this Contract exceeds \$300,000.00 and CONTRACTOR employs fifty (50) or more people, CONTRACTOR shall comply with City's Affirmative Action requirements in accordance with the provisions of Chapter 38 of City's Code, the rules and regulations relating to those sections, and any additions or amendments thereto; in executing any Contract subject to said provisions, CONTRACTOR warrants that it has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the Contract. CONTRACTOR shall not discriminate against any employee or applicant for employment because of race; color, sex, religion, national origin or ancestry, disability, sexual orientation, gender identity or age in a manner prohibited by Chapter 38 of City's Code. CONTRACTOR shall:

- (a) Submit, in print or electronic format, a copy of CONTRACTOR'S current certificate of compliance to the City's Human Relations Department (HRD) prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years. If, and only if, CONTRACTOR does not possess a current certification of compliance, CONTRACTOR shall submit, in print or

electronic format, a copy of its affirmative action program to HRD prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years.

- (b) Require any Subcontractor awarded a subcontract exceeding \$300,000.00 to affirm that Subcontractor has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the subcontract.
- (c) Obtain from any Subcontractor awarded a subcontract exceeding \$300,000.00 a copy of the Subcontractor's current certificate of compliance and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed. If, and only if, Subcontractor does not possess a current certificate of compliance, CONTRACTOR shall obtain a copy of the Subcontractor's affirmative action program and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed.

CITY has the right to take action as directed by CITY'S Human Relations Department to enforce this provision. If CONTRACTOR fails, refuses or neglects to comply with the provisions of Chapter 38 of CITY's Code, then such failure shall be deemed a total breach of this Contract and this Contract may be terminated, cancelled or suspended, in whole or in part, and CONTRACTOR may be declared ineligible for any further contracts funded by CITY for a period of one (1) year. This is a material term of this Contract.

Sec. 16. Tax Compliance. If the CITY's payments to CONTRACTOR exceed \$160,000.01 for the period of May 1st through April 30th, CONTRACTOR shall provide proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a precondition to the CITY making the first payment under this Contract. CONTRACTOR also shall submit to the CITY proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a condition precedent to the CITY making final payment under the Contract.

Sec. 17. Buy American Preference. It is the policy of the CITY that any manufactured goods or commodities used or supplied in the performance of any CITY Contract or any subcontract thereto shall be manufactured or produced in the United States whenever possible.

Sec. 18. Service of Process. In addition to the methods of service allowed by the State of Missouri, CONTRACTOR hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be completed upon CONTRACTOR's actual receipt of process or upon the CITY's receipt of the return thereof by the United States Postal Service as refused or undeliverable. CONTRACTOR must promptly notify the CITY, in writing, of each and every change of address to which service of process can be made. Service by the CITY to the last known address shall be sufficient. CONTRACTOR will have thirty (30) calendar days after service hereunder is complete in which to respond.

Sec. 19. Notices. All notices to be given hereunder shall be in writing and may be given, served, or made by depositing the same in the United States mail addressed to the party to be notified, postpaid and registered or certified with return receipt requested or by delivering the same in person to such person. Notice deposited in the mail in accordance with the provisions hereof shall be effective unless otherwise stated in such notice or in this Contract from and after the second day next following the date

postmarked on the envelope containing such notice. Notice given in any other manner shall be effective only if and when received by the party to be notified. All notices shall be sent to the following addresses:

If to the CITY: City of Kansas City, Missouri
Contract Administration Division
4800 East 63rd Street,
Kansas City, MO 130
Attention: Leona Walton, Contracts Manager
Telephone: (816) 513-0220

With copies to: Mark P. Jones
Assistant City Attorney
Law Department of Kansas City, Missouri
414 East 12th Street, 28th Floor
Kansas City, Missouri 64106
Telephone: (816) 513-0381

If the CONTRACTOR: (INSERT Name and Complete Address)

Sec. 20. General Indemnification.

(a) For purposes of this Section only, the following items shall have the meanings listed:

1. Claims means all claims, damages, liability, losses, costs and expenses, court costs and reasonable attorneys' fees, including attorneys' fees incurred by the CITY in the enforcement of this indemnity obligation.
2. CONTRACTOR's Agents means CONTRACTOR's officers, employees, subcontractors, successors, assigns, invitees, and other agents.
3. CITY means CITY, its Agencies, its agents, officials, officers and employees.

(b) CONTRACTOR's obligations under this Section with respect to indemnification for acts or omissions, including negligence, of CITY, shall be limited to the coverage and limits of insurance that CONTRACTOR is required to procure and maintain under this Contract. CONTRACTOR affirms that it has had the opportunity to recover all costs of the insurance requirements imposed by this Contract in its contract price.

(c) CONTRACTOR shall defend, indemnify and hold harmless CITY from and against all claims arising out of or resulting from all acts or omissions in connection with this Contract caused in whole or in part by CONTRACTOR or CONTRACTOR's Agents, regardless of whether or not caused in part by any act or omission, including negligence, of CITY. CONTRACTOR is not obligated under this Section to indemnify CITY for the sole negligence of CITY.

(d) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental

immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 21. Indemnification for Professional Negligence. If this Contract is for professional services, CONTRACTOR shall indemnify, and hold harmless CITY and any of its agencies, officials, officers, or employees from and against all claims, damages, liability, losses, costs, and expenses, including reasonable attorneys' fees, arising out of any negligent acts or omissions in connection with this Contract, caused by CONTRACTOR, its employees, agents, subcontractors, or caused by others for whom CONTRACTOR is liable in the performance of professional services under this Contract. CONTRACTOR is not obligated under this Section to indemnify CITY for the negligent acts of CITY or any of its agencies, officials, officers, or employees.

Sec. 22. Insurance.

- (a) CONTRACTOR shall procure and maintain in effect throughout the term of this Contract insurance policies with coverage not less than the types and amounts specified in this Section. CONTRACTOR must have:
1. Commercial General Liability Insurance Policy: with combined single limit of \$2,000,000 per occurrence and \$2,000,000 general aggregate, written on an "occurrence" basis. The policy shall be written or endorsed to include the following provisions:
 - a. Severability of Interests Coverage applying to Additional Insureds
 - b. Contractual Liability
 - c. Per Project Aggregate Liability Limit or, where not available, the aggregate limit shall be \$2,000,000
 - d. No contractual Liability Limitation Endorsement
 - e. Personal Injury Liability
 - f. Completed Operations and Products Liability
 - g. Damage to Underground Property Liability
 - h. Additional Insured Endorsement, ISO form CG20 10, current edition, or its equivalent. The insurer's costs of provided the insureds a defense and appeal as additional insureds, including attorney's fees, shall be supplementary and shall not be included as part of the policy limits but shall remain the insurer's separate responsibility.
 2. Workers' Compensation Insurance and Employers Liability Policies as required by Missouri law (not less than \$1,000,000 each occurrence).
 3. Commercial Automobile Liability Insurance Policy: not less than \$2,000,000 per occurrence, covering owned, hired, and non-owned automobiles. The Policy shall provide coverage on an "any auto" basis and on an "occurrence" basis. This insurance policy will be written on a Commercial Business Auto form, or acceptable equivalent, and will protect against claims arising out of the operation of motor vehicles, as to acts done in connection with the Contract, by CONTRACTOR.
 4. If this Contract is for professional services, CONTRACTOR shall obtain Professional Liability Insurance with limits per claim and annual aggregate of \$2,000,000.

- (b) All insurance policies required in this Section shall provide that the policy will not be cancelled until after the Insurer provides the CITY ten (10) days written notice of cancellation in the event that the cancellation is for CONTRACTOR's nonpayment of premiums and thirty (30) days written notice of cancellation to CITY for all other reasons.
- (c) The Commercial General and Automobile Liability Insurance Policies specified above shall provide that CITY and its agencies, agents, officials, officers, and employees, while acting within the scope of their authority, will be named as additional insureds for the services performed under this Contract. CONTRACTOR shall provide to CITY at execution of this Contract a certificate of insurance showing all required endorsements and additional insureds.
- (d) All insurance policies must be provided by Insurance Companies that have an A.M. Best's rating of A-, V or better, and are licensed or approved by the State of Missouri to provide insurance in Missouri.
- (e) Regardless of any approval by CITY, CONTRACTOR shall maintain the required insurance coverage in force at all times during the term of this Contract. CONTRACTOR's failure to maintain the required insurance coverage will not relieve CONTRACTOR of its contractual obligation to indemnify the CITY pursuant to this Section of this Contract. In the event CONTRACTOR fails to maintain the required insurance coverage in effect, CITY may declare CONTRACTOR in default.
- (f) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 23. Bonds and Surety. Contractor shall furnish a Payment Bond and Performance and Maintenance Payment Bond, to City on City furnished forms, executed by a Surety, in the amount of this Contract guaranteeing Contractor's faithful performance of each and every term of this Contract and all authorized changes thereto, including those terms under which Contractor agrees to pay legally required wage rates including the prevailing hourly rate of wages in the locality, as determined by the Department of Labor and Industrial Relations or by final judicial determination, for each craft or type of worker required to perform under this Contract; guaranteeing the payment of all obligations as provided in Section 107.170 RSMo.; and guaranteeing the services and work against faulty workmanship and faulty materials.

- a. All Bonds and insurance required by the Contract Documents to be purchased and maintained by Contractor shall be obtained from surety or insurance companies that are duly licensed in the State of Missouri and in the jurisdiction in which the Project is located, if not in Missouri, to issue Bonds or insurance policies for the limits and coverages so required. All surety and insurance companies shall hold an A.M. Best rating of A-, V, or better.

NOTE: If effective date of bonds needs to be extended for a period longer than one year, make that change in the following paragraph. Be certain to delete this note and select the appropriate type of bond if any in the section below.

- b. These Bonds shall remain in effect at least one (1) year after the date when final payment becomes due, except as provided otherwise by Laws or Regulations or by the Contract Documents.
- c. If the surety on any Bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirement of Paragraph 5.01 B, Contractor shall within twenty (20) days thereafter substitute another Bond and surety, both of which must be acceptable to City.

Sec. 24. Prevailing Wage.

- a. Prevailing Wage.
 - i. Contractor shall comply and require its Subcontractors to comply with;
 - 1. Sections 290.210 to 290.340, RSMo the State of Missouri Prevailing Wage Law (the "Law"); and
 - 2. 8 CSR 30-3.010 to 8 CSR 30-3.060, the Prevailing Wage Law Rules (the "Rules"); and
 - 3. the Annual Wage Order (Wage Order) issued by the State of Missouri's Department of Labor and Industrial Relations; and
 - 4. any applicable Annual Incremental Wage Increase (Wage Increase) to the Annual Wage Order.
 - ii. The Law, Rules, Wage Order and any Wage Increase are incorporated into and made part hereof this Contract and shall be collectively referred to in this Section as the "Prevailing Wage Requirements." In the event this Contract is renewed for an additional term, the Wage Order in effect as of the commencement date of the additional term, as amended by any applicable Wage Increase, shall be deemed incorporated herein and shall apply to and remain in effect for the duration of the additional term. The new Wage Order and any applicable Wage Increase shall govern notwithstanding the fact that the Wage Order being replaced might be physically attached to this Contract.
 - iii. Contractor shall pay and require its Subcontractors to pay to all workers performing work under this Contract not less than the prevailing hourly rate of wages for the class or type of work performed by the worker in accordance with the Law, Rules, Wage Order and any applicable Wage Increase. Contractor shall take whatever steps are necessary to insure that the prevailing hourly wage rates are paid and that all workers for Contractor and each of its Subcontractors are paid for the class or type of work performed by the worker in accordance with the Prevailing Wage Requirements provided in Attachment 8. The work type for this project is "Building".
 - iv. Prior to each of its Subcontractors beginning Work on the Site, Contractor shall require each Subcontractor to complete City's Form 00490 entitled "Pre-contract Certification" that sets forth the Subcontractor's prevailing

wage and tax compliance history for the two (2) years prior to the bid. Contractor shall retain one (1) year and make the Pre-contract Certifications available to City within five (5) days after written request.

- v. Contractor shall keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's:
 - 1. Keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's "Daily Labor Force Report" Form indicating the worker's name, occupational title or classification group and skill and the workers' hours. City shall furnish blank copies of the Daily Labor Force Report Form to Contractor for its use and for distribution to Subcontractors. Contractor shall submit its and its Subcontractors Daily Labor Force Reports to City each day; and
 - 2. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in a format prescribed by the City, Certified Payroll Report Information indicating the worker's name, address, social security number, occupation(s), craft(s) of every worker employed in connection with the public work together with the number of hours worked by each worker and the actual wages paid in connection with the Project and other pertinent information as requested by the City; and
 - 3. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in format prescribed by the City, a Payroll Certification. The Payroll Certification must be signed by the employee or agent who pays or supervises the payment of the workers employed under the Contract for the Contractor and each Subcontractor.
 - 4. The Daily Labor Force Report, documents used to compile information for the Certified Payroll Report, and Payroll Certification are collectively referred to in this Section as the "Records."
- vi. Contractor shall make all of Contractor's and Subcontractors' Records open to inspection by any authorized representatives of City and the Missouri Department of Labor and Industrial Relations at any reasonable time and as often as they may be necessary and such Records shall not be destroyed or removed from the State of Missouri for a period of one (1) year following the completion of the public work in connection with which the Records are made. Contractor shall have its and its Subcontractors Certified Payroll Reports and Payroll Certifications available at the Contractor's office and shall provide the Records to the City electronically at City's sole discretion. In addition, all Records shall be considered a public record and Contractor shall provide the Records to the City in the format required by the City

within three (3) working days of any request by City at the Contractor's cost. City, in its sole discretion, may require Contractor to send any of the Records directly to the person who requested the Record at Contractor's expense.

- vii. Contractor shall post and keep posted a clearly legible statement of all prevailing hourly wage rates to be paid to all workers employed by Contractor and each of its Subcontractors in the performance of this Contract in a prominent and easily accessible place at the Site of the Work by all workers.
- viii. If the Contract Price exceeds \$250,000.00, Contractor shall and shall require each Subcontractor engaged in any construction of public works to have its name, acceptable abbreviation or recognizable logo and the name of the city and state of the mailing address of the principal office of the company, on each motor vehicle and motorized self-propelled piece of equipment which is used in connection with the Project during the time the Contractor or Subcontractor is engaged on the project. The sign shall be legible from a distance of twenty (20') feet, but the size of the lettering need not be larger than two (2") inches. In cases where equipment is leased or where affixing a legible sign to the equipment is impractical, the Contractor may place a temporary stationary sign, with the information required pursuant to this section, at the main entrance of the Project in place of affixing the required information on the equipment so long as such sign is not in violation of any state or federal statute, rule or regulation. Motor vehicles which are required to have similar information affixed thereto pursuant to requirements of a regulatory agency of the state or federal government are exempt from the provisions of this subsection.
- ix. Contractor must correct any errors in Contractor's or any Subcontractors' Records, or Contractor's or any Subcontractors' violations of the Law, Rules, Annual Wage Order and any Wage Increase within fourteen (14) calendar days after notice from City.
- x. Contractor shall and shall require its Subcontractors to cooperate with the City and the Department of Labor and Industrial Relations in the enforcement of this Section, the Law, Rules, Annual Wage Order and any Wage Increase. Contractor shall and shall require its Subcontractors to permit City and the Department of Labor and Industrial Relations to interview any and all workers during working hours on the Project at Contractor's sole cost and expense.
- xi. Contractor shall file with City, upon completion of the Project and prior to final payment therefore, affidavits from Contractor and each of its Subcontractors, stating that each has fully complied with the provisions and requirements of the Missouri Prevailing Wage Law. City shall not make final payment until the affidavits, in proper form and order, from Contractor and each of its Subcontractors, are filed by Contractor.
- xii. Contractor shall forfeit as a statutory penalty to the City one hundred dollars (\$100.00) for each worker employed, for each calendar day, or

portion thereof, such worker is paid less than the prevailing hourly rates for any work done under this Contract, by Contractor or by any of Contractor's Subcontractors. If Contractor or any of its Subcontractors have violated any section(s) of 290.210 to 290.340, RSMo, in the course of the execution of the Contract, City shall when making payments to the Contractor becoming due under this Contract, withhold and retain therefrom all sums and amounts due and owing as a result of any violation of sections 290.210 to 290.340, RSMo.

- b. Prevailing Wage Damages. Contractor acknowledges and agrees that, based on the experience of City, violations of the Missouri Prevailing Wage Act, whether by Contractor or its Subcontractors, commonly result in additional costs to City. Contractor agrees that additional costs to City for any particular violation are difficult to establish and include but are not limited to: costs of construction delays, additional work for City, additional interest expenses, investigations, and the cost of establishing and maintaining a special division working under the City Manager to monitor prevailing wage compliance.
 - i. In the event of the failure by Contractor or any of its Subcontractors to pay wages as provided in the Missouri Prevailing Wage Act, City shall be entitled to deduct from the Contract Price, and shall retain as liquidated damages, one hundred dollars (\$100.00) per day, per worker who is paid less than the prevailing hourly rate of wages, to approximate the additional costs. The sum shall be deducted, paid or owed whether or not the Contract Times have expired.
 - ii. City shall give written notice to Contractor setting forth the workers who have been underpaid, the amount of the statutory penalty and the amount of the liquidated damages as provided for in this Subparagraph. Contractor shall have fourteen (14) calendar days to respond, which time may be extended by City upon written request. If Contractor fails to respond within the specified time, the City's original notice shall be deemed final. If Contractor responds to City's notice, City will furnish Contractor a final decision in writing within five (5) days of completing any investigation.

Sec. 25. Interpretation of the Contract.

- (a) CITY selected CONTRACTOR through a negotiated procurement process rather than an Invitation for Bids (IFB) solicitation. Unlike the IFB, this process allows the CITY and CONTRACTOR to discuss and negotiate a contract at arm's length prior to entering a final contract that is acceptable to both the CITY and the CONTRACTOR. After negotiation and discussion, CONTRACTOR and CITY have incorporated multiple documents into this Agreement and the meaning of some of the words used in the Agreement may be uncertain, incomplete or duplicative and the Agreement may promise something at one place and take that promise away at another. In sum, the Agreement may contain words and provisions that are susceptible of more than one meaning so that reasonable persons of average intelligence may fairly and honestly differ in their construction of the words and provisions. It is the intent of the CITY and the CONTRACTOR that the CITY's taxpayers receive the benefit or advantage in the construction and interpretation of this Agreement, regardless of

the normal judicial rules of contract construction even if the construction and interpretation of the Agreement will cost the CONTRACTOR more money and time. CITY and CONTRACTOR agree that CITY's Deputy Director of KC Water Services shall resolve all disagreements as to the meaning of this Agreement or any ambiguity in this Agreement, in favor of the CITY and its taxpayers even if it will cost the CONTRACTOR more money and time. The decision of CITY's Deputy Director of KC Water shall be final and conclusive if the Deputy Director of KC Water Services acted in good faith.

- (b) CONTRACTOR acknowledges and agrees that the CITY has provided CONTRACTOR with an opportunity to have CONTRACTOR's attorney review and advise CONTRACTOR on the Agreement and any potential ambiguities or areas of disagreement and the potential adverse legal consequences of CONTRACTOR agreeing to this Section as well as the entire Agreement. CONTRACTOR certifies that CONTRACTOR has provided the CITY written notice of all ambiguities, conflicts, errors or discrepancies that it has discovered in the Agreement and the written resolution thereof by the CITY as embodied in this final Agreement is acceptable to CONTRACTOR.
- (c) CONTRACTOR certifies that CONTRACTOR has either (1) waived its right to have CONTRACTOR's attorney review this Section and Agreement; or (2) CONTRACTOR has consulted with an attorney on this Section and Agreement.
- (d) CONTRACTOR knowingly and voluntarily agrees to this Section and the entire Agreement. CONTRACTOR certifies that this contract was not procured by fraud, duress or undue influence.

Sec. 26. Contract Execution. This Contract may be executed in one or more counterparts, each of which will be deemed an original copy of this Contract and all of which, when taken together, will be deemed to constitute one and the same Contract. This Contract shall be effective upon the execution of counterparts by both parties, notwithstanding that both parties may not sign the same counterpart. The parties' signatures transmitted by facsimile or by other electronic means shall be proof of the execution of this Contract and shall be acceptable in a court of law.

Sec. 27. Guaranteed Lowest Pricing. CONTRACTOR certifies that this Contract contains CONTRACTOR's lowest and best pricing for all services supplied by CONTRACTOR to any government, governmental entity, political subdivision, city, state, school district or any other public entity in the United States as of the date of this Contract.

Sec. 28. Assignability and Subcontracting.

- (a) Assignability. CONTRACTOR shall not assign or transfer any part or all of CONTRACTOR's obligation or interest in this Contract without prior written approval of CITY. If CONTRACTOR shall assign or transfer any of its obligations or interests under this Contract without the CITY's prior written approval, it shall constitute a material breach of this Contract. This provision shall not prohibit CONTRACTOR from subcontracting as otherwise provided for herein.
- (b) Subcontracting. CONTRACTOR shall not subcontract any part or all of CONTRACTOR's obligations or interests in this Contract unless the subcontractor has been identified in a

format required by CITY. If CONTRACTOR shall subcontract any part of CONTRACTOR's obligations or interests under this Contract without having identified the subcontractor, it shall constitute a material breach of this Contract. The utilization of subcontractors shall not relieve CONTRACTOR of any of its responsibilities under the Contract, and CONTRACTOR shall remain responsible to CITY for the negligent acts, errors, omissions or neglect of any subcontractor and of such subcontractor's officers, agents and employees. CITY shall have the right to reject, at any point during the term of this Contract, any subcontractor identified by CONTRACTOR, and to require that any subcontractor cease working under this Contract. CITY's right shall be exercisable in its sole and subjective discretion. CITY shall not be obligated to pay or be liable for payment of any monies which may be due to any subcontractor. CONTRACTOR shall include in any subcontract a requirement that the subcontractor comply with all requirements of this Contract in performing CONTRACTOR's services hereunder.

- (c) CONTRACTOR shall not employ or retain any Subcontractor, Supplier or other person or organization (including those acceptable to CITY as indicated in Paragraph 6.07 B), whether initially or as a substitute, against whom CITY has a reasonable objection, including but not limited to debarment by City or another governmental entity or decertification of the Subcontractor from the City's Minority and Women's Business Enterprise Program as a result of the Subcontractor's failure to comply with any of the requirements of the provisions of Chapter 3 of the City's Code as determined by the Director of the Human Relations Department. Contractor shall insert this provision in any subcontractor agreement associated with this Contract. CONTRACTOR shall not be required to employ any Subcontractor, Supplier or other person or organization to furnish or perform any of the Work against whom CONTRACTOR has reasonable objection. CONTRACTOR shall submit required information for all Subcontractors on Form 01290.09 - Subcontractor and Major Material Suppliers List, provided in these Contract Documents, prior to Subcontractor beginning Work at the Site.
- (d) CONTRACTOR shall provide the identity of certain Subcontractors, Suppliers or other persons or organizations (including those who are to furnish the principal items of materials or equipment) to be submitted to CITY on or before the date specified in the Supplementary Conditions, for acceptance by CITY. If CONTRACTOR has submitted a list thereof in accordance with the Supplementary Conditions, CITY may accept (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Contract Documents) any such Subcontractor, Supplier or other person or organization so identified, or may reject same on the basis of reasonable objection after due investigation, in which case CONTRACTOR shall submit an acceptable replacement for the rejected Subcontractor, Supplier or other person or organization. The Contract Price will be adjusted by the difference in the cost occasioned by such substitution, and an appropriate Change Order will be issued or Written Amendment signed. No acceptance by CITY of any such Subcontractor, Supplier or other person or organization shall constitute a waiver of any right of CITY to reject defective Work.
- (e) CONTRACTOR shall be fully responsible to CITY for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions. Nothing in the Contract Documents

shall create for the benefit of any such Subcontractor, Supplier or other person or organization any contractual relationship between CITY or DESIGN PROFESSIONAL and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of CITY or DESIGN PROFESSIONAL to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Laws or Regulations.

- (f) CONTRACTOR shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR.
- (g) CONTRACTOR shall contractually require all Subcontractors, Suppliers and such other persons and organizations performing or furnishing any of the Work to communicate with CITY and DESIGN PROFESSIONAL through CONTRACTOR.
- (h) The divisions and sections of the Specifications and the identifications of any Drawings shall not control CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- (i) All Work performed for CONTRACTOR by a Subcontractor or Supplier shall be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor or Supplier that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of CITY. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the CONTRACTOR and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against CITY, CONTRACTOR, DESIGN PROFESSIONAL, Consultants and all other additional insureds for all losses and damages caused by, arising out of or resulting from any perils, to the extent covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, CONTRACTOR will obtain the same.
- (j) Except as otherwise provided in this Section, the agreement between CONTRACTOR and the Subcontractor or Supplier, shall provide that the CONTRACTOR and the Subcontractor or Supplier agree not to request CITY or CITY's Representative to intervene in or facilitate the resolution of claims or contract disputes arising out of or related to the agreement between CONTRACTOR and the Subcontractor or Supplier. Furthermore, the Contracts between CONTRACTOR and Subcontractors or Suppliers shall provide that all unresolved claims and disputes between CONTRACTOR and the Subcontractor or Supplier that remain unresolved after thirty (30) calendar days from the notice of claim, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. Any such mediation shall be conducted in accordance with the CITY's Code Section 3-467.
- (k) CONTRACTOR shall not insert any provision in any subcontractor agreement associated with this Contract that explicitly states or implies that the subcontractor shall only be paid for work performed if or when the general CONTRACTOR is paid by the CITY . Contractor's compliance with this provision is a material term of this Contract.
- (l) CONTRACTORS shall not deny any Subcontractor subcontracting opportunities solely because the Subcontractor is not a signatory to collective bargaining agreements with organized labor.

Sec. 29. Professional Services. Conflict of Interest Certification. If this Contract is for professional services other than for medical doctors or appraisers, CONTRACTOR certifies that CONTRACTOR is not an expert witness for any party in litigation against the CITY at the time of the issuance of this Contract.

Sec. 30. Intellectual Property Rights. CONTRACTOR agrees, on its behalf and on behalf of its employees and agents, that it will promptly communicate and disclose to CITY all computer programs, documentation, software and other copyrightable works ("copyrightable works") conceived, reduced to practice or made by CONTRACTOR or its agents, whether solely or jointly with others, during the term of this Contract resulting from or related to any work CONTRACTOR or its agents may do on behalf of CITY or at its request. All inventions and copyrightable works that CONTRACTOR is obligated to disclose shall be and remain entirely the property of CITY. It is agreed that all inventions and copyrightable works are works made for hire and shall be the exclusive property of CITY. CONTRACTOR hereby assigns to CITY any rights it may have in such copyrightable works. CONTRACTOR shall cooperate with CITY in obtaining any copyrights or patents.

Sec. 31. Minority and Women's Business Enterprises. CITY is committed to ensuring that M/WBE participate to the maximum extent possible in the performance of CITY contracts. M/WBE participation goals have been set for this Contract at 1.0 % MBE and 1.0% WBE. CONTRACTOR agrees to comply with all requirements of City's Minority and Women's Business Enterprise Program as enacted in CITY'S Code Sections 38-84 through 38-100.8 and as hereinafter amended. CONTRACTOR shall make its good faith efforts in carrying out this policy by implementing its Contractor Utilization Plan (CUP). If CONTRACTOR fails to achieve the M/WBE goals stated in its CUP, as amended, the CITY will sustain damages, the exact extent of which would be difficult or impossible to ascertain or estimate at the time of execution of this contract. Therefore, in order to liquidate those damages, the monetary difference between the amount of the M/WBE goals set forth in this CONTRACTOR utilization plan, as amended, and the amount actually paid to qualified MBEs and WBEs for performing a commercially useful function will be deducted from the CONTRACTOR'S payments as liquidated damages. In determining the amount actually paid to qualified MBEs and WBEs, no credit will be given for the portion of participation that was not approved by the Director of CITY's Human Relations Division, unless the Director determines that the CONTRACTOR acted in good faith. No deduction for liquidated damages will be made when, for reasons beyond the control of the CONTRACTOR, the M/WBE participation stated in the CUP, as amended and approved by the Director, is not met.

Contractor shall comply with City's MBE/WBE Program Reporting System requirements. Contractor shall use City's Internet web based MBE/WBE Program Reporting System provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 32. Workforce. If Contractor is required to pay prevailing wages for the work performed pursuant to this Contract, Contractor agrees to comply with all requirements of City's Construction Employment Program as enacted in City's Code, Sections 3-501 through 3-525 and as hereinafter amended. Contractor shall meet or exceed the construction employment goals unless the same shall have been waived in the manner provided by law. Contractor's compliance with this provision is a material part of this Contract.

Contractor shall comply with City's Workforce Program Reporting System requirements. Contractor shall use City's Internet web based Workforce Program Reporting System provided by City and protocols

included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 33. Employee Eligibility Verification. CONTRACTOR shall execute and submit an affidavit, in a form prescribed by the CITY, affirming that CONTRACTOR does not knowingly employ any person in connection with the contracted services who does not have the legal right or authorization under federal law to work in the United States as defined in 8 U.S.C. §1324a(h)(3). CONTRACTOR shall attach to the affidavit documentation sufficient to establish CONTRACTOR's enrollment and participation in an electronic verification of work program operated by the United States Department of Homeland Security to verify Information of newly hired employees, under the Immigration and Reform and Control Act of 1986. CONTRACTOR may obtain additional information about E-Verify and enroll at <https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES>. For those CONTRACTORS enrolled in E-Verify, the first and last pages of the E-Verify Memorandum of Understanding that CONTRACTOR will obtain upon successfully enrolling in the program shall constitute sufficient documentation for purposes of complying with this section. CONTRACTOR shall submit the affidavit and attachments to the CITY prior to execution of the contract, or at any point during the term of the contract if requested by the CITY.

Sec.34. Emergencies.

- (a) Disaster means any large scale event such as an act of terrorism, fire, wind, flood, earthquake or other natural or man-made calamity which results in, or has the potential to result in a significant loss of life or property.
- (b) During and after a disaster, CONTRACTOR shall provide special services to the CITY including CONTRACTOR shall open CONTRACTOR's facilities even on nights and weekends as necessary to meet the needs of the City during a disaster.
- (c) CONTRACTOR shall not charge CITY any fee for opening facilities during an emergency or for extending CONTRACTOR'S hours of operation during a disaster. CITY shall pay CONTRACTOR the agreed upon contract prices for all purchases made by CITY during the disaster and CONTRACTOR shall not charge CITY any additional mark-up, fee or cost for any purchases made by CITY during a disaster.
- (d) CONTRACTOR shall quickly mobilize CONTRACTOR's internal and external resources to assist CITY when a disaster unfolds.
- (e) Extended hours and personnel. During disasters, CONTRACTOR's facilities shall stay open 24 hours if requested by the CITY. CONTRACTOR shall utilize additional CONTRACTOR personnel to take CITY orders if necessary. CONTRACTOR's Call Center shall accept phone orders 24 hours a day.
- (f) CONTRACTOR shall have contingency plans with CONTRACTOR's suppliers to provide additional supplies and equipment quickly to CITY as needed.
- (g) CONTRACTOR shall cooperate with CITY to properly document any and all expenses incurred by CITY with CONTRACTOR and CONTRACTOR shall assist CITY in meeting any and all

documentation requirements of the Federal Emergency Management Agency (FEMA).

Sec. 35

Attachments. The following documents are Attachments to this Contract and are attached hereto and incorporated herein by this reference:

Attachment 1 – Pricing/Cost Proposal

00410.01 Experience Reference Form

Attachment 2 – Employee Eligibility Verification Affidavit

Affidavit of Training Program Form

Attachment 3 – Cooperative Procurement With Other Jurisdictions Form

Attachment 4 – State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531

Attachment 5 – Section 445055 Biosolids Handling and Disposal Specification

Attachment 6 - HRD Forms & Instructions

00440 HRD 5 Construction Contract HRD Instructions

00450 HRD 8 Contractor Utilization Plan/Request for Waiver

00450.01 Letter of Intent to Subcontract

00460 HRD 10 Timetable for MBE/WBE Utilization

00470 HRD 11 Request for Modification or Substitution

00485 HRD Monthly Reporting Forms

Attachment 7 - Bonds

00430 Bid Bond

00610 Performance and Maintenance Bond

00615 Payment Bond

Attachment 8 – 00830 Wage Rate Requirements

Annual Wage Order 28

County – Clay

Work Type:

State – Building

Division of Labor Standards Rules & Regulations

01290.08 Wage Rate Verification Questionnaire

01290.09 Subcontractors and Major Material Suppliers List

01290.11 Daily Labor Force Report

01290.14 Contractor Affidavit for Final Payment

01290.15 Subcontractor Affidavit for Final Payment

Attachment 9 – 00630 Revenue Clearance Release Authorization

Attachment 10 – Application for Payment

Attachment 11 – Pre-Bid Conference Attendance List

CONTRACTOR

I hereby certify that I have the authority to execute
this document on behalf of CONTRACTOR.

Contractor: _____

By: _____

Title: _____

Date: _____

KANSAS CITY, MISSOURI

By: _____

Typed or Printed Name: _____

Title: _____

Date: _____

APPROVED AS TO FORM

Assistant City Attorney Date

I hereby certify that there is a balance, otherwise unencumbered, to the credit of the appropriation to which the foregoing expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment is to be made, each sufficient to meet the obligation hereby incurred.

Director of Finance Date

ATTACHMENT 1 – PRICING/COST PROPOSAL
00410.01 EXPERIENCE REFERENCE FORM

ATTACHMENT NO. 1

PRICING/COST PROPOSAL¹

BASE PROJECT^{2,3}– MUST BE INCLUDED IN RESPONSE

A. PRICING TO CONSTRUCT & MAINTAIN TEMPORARY DEWATERING (if needed) AND STABILIZATION² (if needed) OPERATIONS ON CITY PROPERTY

1. Annual Price \$ _____

B. PRICING TO DEWATER (if needed) AND STABILIZE (if needed) 25,000,000 GALLONS OF BIOSOLIDS ON CITY PROPERTY

1. Price per Gallon to Dewater and Stabilize 5 MGal of Biosolids \$ _____

2. Price per Gallon to Dewater and Stabilize 20 MGal of Biosolids \$ _____

C. PRICING TO TRANSPORT AND LAND APPLY BIOSOLIDS OFF CITY PROPERTY

1. Price per Gallon to Transport and Land Apply remaining 5 MGal of Biosolids \$ _____

2. Price per Gallon to Transport and Land Apply remaining 20 MGal of Biosolids \$ _____

D. EVALUATION PRICE

A + B + C = \$ _____

ALTERNATIVE #1^{3,4,5}: PRICING TO REMOVE, TRANSPORT AND LAND APPLY SCREENED LIQUID BIOSOLIDS OFF CITY PROPERTY

1. Price per Gallon to Remove, Transport and Land Apply 5 MGal of Liquid Biosolids \$ _____

2. Price per Gallon to Remove, Transport and Land Apply 20 MGal of Liquid Biosolids \$ _____

- 1- Costs will be adjusted annually using the U.S. Bureau of Labor Statistics Consumer Price Index for **All Urban Consumers, US City Average, All Items (CPI-U)**. This will be calculated using the latest available CPI-U value as published by the U.S. Bureau of Labor Statistics in the month prior to the month of the anniversary of the contract.
- 2- City expects trash to be screened prior to dewatering.
- 3- Although biosolids are already Class B Biosolids, they will require lime stabilization in order to be able to be stockpiled on-site prior to being transported off-site. Stabilization is not required if biosolids are not dewatered.
- 4- Alternative presented may be considered for inclusion within and/or amendment to the base project if it represents the most value to the City.
- 5- If this alternative is selected, liquid biosolids will be required to have grit and trash screened out by Contractor prior to land application.



EXPERIENCE AND REFERENCE SUMMARY

Project Number: 60810108/1661

Project Title: Birmingham WWTP Biosolids Land Application Procurement

Firm’s Legal Name	
Mailing Address	
Contact – Name & Email	
Contact – Phone & Fax	

NO.	PROJECT & LOCATION	OWNER NAME & ADDRESS CONTACT & PHONE NUMBER	PROJECT DURATION & DATE COMPLETED	\$ VALUE
1.				
2.				
3.				
4				
5				
6				
7				
9				
10				

ATTACHMENT 2 – EMPLOYEE ELIGIBILITY VERIFICATION AFFIDAVIT
Affidavit of Training Program Form

ATTACHMENT NO. 2

AFFIDAVIT

EMPLOYEE ELIGIBILITY VERIFICATION AFFIDAVIT

(Required for any contract with the City of Kansas City, Missouri in excess of \$5,000.00)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20__ before me appeared _____, personally known by me or otherwise proven to be the person whose name is subscribed on this affidavit and who, being duly sworn, stated as follows:

I am of sound mind, capable of making this affidavit, and personally swear or affirm that the statements made herein are truthful to the best of my knowledge. I am the _____ (title) of _____ (business entity) and I am duly authorized, directed or empowered to act with full authority on behalf of the business entity in making this affidavit.

I hereby swear or affirm that the business entity does not knowingly employ any person in connection with the contracted services who does not have the legal right or authorization under federal law to work in the United States as defined in 8 U.S.C. § 1324a(h)(3).

I hereby additionally swear or affirm that the business entity is enrolled in an electronic verification of work program operated by the United States Department of Homeland Security (E-Verify) or an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, under the Immigration Reform and Control Act of 1986, and that the business entity will participate in said program with respect to any person hired by the business entity to perform any work in connection with the contracted services.

I have attached hereto documentation sufficient to establish the business entity's enrollment and participation in the required electronic verification of work program. The documentation will consist of the first and last pages of the E-Verify Memorandum of Understanding that the Contractor obtained upon successfully enrolling in the program.

I am aware and recognize that unless certain contractual requirements are satisfied and affidavits obtained as provided in Section 285.530, RSMo, the business entity may face liability for violations committed by its subcontractors, notwithstanding the fact that the business entity may itself be compliant.

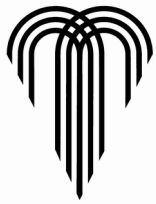
I acknowledge that I am signing this affidavit as the free act and deed of the business entity and that I am not doing so under duress.

Affiant's signature

Subscribed and sworn before me on this ____ day of _____ 20____

Notary Public

My commission expires: _____



AFFIDAVIT OF TRAINING PROGRAM

This form must be submitted with 48 hours of Bid Opening

Bidder _____

Project Title and Number _____

STATE OF MISSOURI)
) ss:

COUNTY OF _____)

After being duly sworn the person whose name and signature appears below hereby states under penalty of perjury that:

1. I am the duly authorized officer of the business indicated above ("Bidder") and I make this affidavit on behalf of Bidder.
2. Bidder certifies that it presently participates in a training program that facilitates entry into the construction industry and which may include an on-the-job or in-house training program, further described as follows:

_____ (attach additional pages, if necessary)

3. If requested by the City, Bidder agrees to provide City further documentation of, or other information about, this training program within 48 hours of the request.
4. Bidder acknowledges that failure to submit this form to the City within 48 hours of the Bid Opening will automatically render its bid non-responsive.

I am authorized to make this Affidavit on behalf of the Bidder named below as:

_____ of _____
(Title) (Name of Bidder)

Dated: _____ By: _____
(Affiant)

Subscribed and sworn to before me this _____ day of _____, 20____.

My Commission Expires: _____
Notary Public

ATTACHMENT 3 – COOPERATIVE PROCUREMENT WITH OTHER JURISDICTIONS FORM

ATTACHMENT NO. 3

COOPERATIVE PROCUREMENT WITH OTHER JURISDICTIONS FORM

The Bidder agrees to provide products and/or services to any municipality, county, state, governmentally public utility, non-profit hospital, educational institute, special governmental agency, and non-profit corporation performing governmental functions that participates in or is represented by the Mid-America Council of Public Purchasing (MACPP) in the greater Kansas City Metropolitan Trade Area and any member of the Mid-America Regional Council (MARC).

YES _____

NO _____

Authorized Representative:

Signature: _____

Title: _____

Business/Firm Name: _____

Date: _____

**ATTACHMENT 4 – STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI STATE
OPERATION PERMIT NO. MO-0049531**

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law (Chapter 644 RSMo, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.: MO-0049531

Owner: City of Kansas City
Address: 4800 East 63rd Street, Kansas City, MO 64130

Continuing Authority: Same as above
Address: Same as above

Facility Name: KC Birmingham WWTP
Facility Address: 10801 NE 28th Street, Kansas City, MO 64161

Legal Description: See Page 2
UTM Coordinates: See Page 2

Receiving Stream: See Page 2
First Classified Stream and ID: See Page 2
USGS Basin & Sub-watershed No.: See Page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION


See Page 2

This permit authorizes only wastewater and stormwater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas.

October 1, 2021
Effective Date

September 30, 2026
Expiration Date


Edward B. Galbraith, Director, Division of Environmental Quality


Chris Wieberg, Director, Water Protection Program

FACILITY DESCRIPTION (continued):

Outfall #001 – POTW

The use or operation of this facility shall be by or under the supervision of a Certified “A” Operator.

2 screening baskets / 2 aerated grit chambers / 2 primary clarifiers / 3 activated sludge basins / 2 final clarifiers / chlorination / dechlorination / effluent pump station / sludge is pumped to the KC Blue River WWTP (#MO-0024911) for digestion / some or all anaerobically digested biosolids from all KC WWTPs are pumped back to the KC Birmingham WWTP property and are stored in 5 biosolids earthen storage basins / biosolids are land applied

Design population equivalent is 100,000.

Design flow is 20 million gallons per day.

Actual flow is 11.6 million gallons per day.

Actual sludge production for KC Birmingham WWTP is 5,916 dry tons/year.

Actual biosolids managed at the KC Birmingham Land Application Site is 7,206 dry tons/year.

Design sludge production for KC Birmingham WWTP is 8,920 dry tons/year.

Legal Description:	Sec. 24, T50N, R32W, Clay County
UTM Coordinates:	X=374843, Y=4332051
Receiving Stream:	Missouri River (P)
First Classified Stream and ID:	Missouri River (P) (356) 303(d) List
USGS Basin & Sub-watershed No.:	(10300101-0305)

Permitted Feature INF – Influent Monitoring Location – Headworks

Legal Description:	Sec. 13, T50N, R32W, Clay County
UTM Coordinates:	X=374891, Y=4333620

OUTFALL #001	TABLE A-1. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					
The permittee is authorized to discharge from outfall number(s) as specified in the application for this permit. The final effluent limitations in Table A-1 shall become effective on October 1, 2021 and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Limit Set: M						
Flow	MGD	*		*	once/weekday***	24 hr. total
Biochemical Oxygen Demand ₅	mg/L		45	30	once/weekday***	composite**
Total Suspended Solids	mg/L		45	30	once/weekday***	composite**
<i>E. coli</i> (Note 1, Page 4)	#/100mL		1,030	206	once/week	grab
Ammonia as N	mg/L	*		*	once/week	composite**
Oil & Grease	mg/L	*		*	once/month	grab
Total Residual Chlorine (Note 2, Page 4)	µg/L	209		< 130	once/week	grab
Total Phosphorus	mg/L	*		*	once/month	composite**
Total Kjeldahl Nitrogen	mg/L	*		*	once/month	composite**
Nitrite + Nitrate	mg/L	*		*	once/month	composite**
EFFLUENT PARAMETER(S)	UNITS	MINIMUM		MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH – Units****	SU	6.0		9.0	once/weekday***	grab
EFFLUENT PARAMETER(S)			UNITS	MONTHLY AVERAGE MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Biochemical Oxygen Demand ₅ – Percent Removal (Note 3, Page 4)			%	85	once/month	calculated
Total Suspended Solids – Percent Removal (Note 3, Page 4)			%	85	once/month	calculated
MONITORING REPORTS SHALL BE SUBMITTED MONTHLY ; THE FIRST REPORT IS DUE NOVEMBER 28, 2021 . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						

* Monitoring requirement only.

** A 24-hour composite sample is composed of 48 aliquots (subsamples) collected at 30 minute intervals by an automatic sampling device.

*** Once each weekday means: Monday, Tuesday, Wednesday, Thursday & Friday, except for the nine Federal legal holidays (New Years, Martin Luther King Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving, and Christmas)

**** pH is measured in pH units and is not to be averaged.

PERMITTED FEATURE <u>INF</u>	TABLE B-1. INFLUENT MONITORING REQUIREMENTS					
The monitoring requirements in Table B-1 shall become effective on <u>October 1, 2021</u> and remain in effect until expiration of the permit. The influent wastewater shall be monitored by the permittee as specified below:						
PARAMETER(S)	UNITS	MONITORING REQUIREMENTS				
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Limit Set: IM						
Biochemical Oxygen Demand ₅ (Note 3)	mg/L			*	once/month	composite**
Total Suspended Solids (Note 3)	mg/L			*	once/week	composite**
Ammonia as N	mg/L	*		*	once/month	composite**
Total Phosphorus	mg/L	*		*	once/month	composite**
Total Kjeldahl Nitrogen	mg/L	*		*	once/month	composite**
Nitrite + Nitrate	mg/L	*		*	once/month	composite**
MONITORING REPORTS SHALL BE SUBMITTED <u>MONTHLY</u> ; THE FIRST REPORT IS DUE <u>NOVEMBER 28, 2021</u> .						

* Monitoring requirement only.

** A 24-hour composite sample is composed of 48 aliquots (subsamples) collected at 30 minute intervals by an automatic sampling device.

Note 1 – Effluent limitations and monitoring requirements for *E. coli* are applicable only during the recreational season from April 1 through October 31. The Monthly Average Limit for *E. coli* is expressed as a geometric mean. The Weekly Average for *E. coli* will be expressed as a geometric mean if more than one (1) sample is collected during a calendar week (Sunday through Saturday).

Note 2 – This permit contains a Total Residual Chlorine (TRC) limit.

- The Water Quality Based Effluent Limit for Total Residual Chlorine was calculated to be **209 µg/L** (daily maximum limit) and **91 µg/L** (monthly average limit). The monthly average limit is below the minimum quantification level (ML) of the most common and practical EPA approved CLTRC methods. The Department has determined the current acceptable ML for total residual chlorine to be 130 µg/L when using the DPD Colorimetric Method #4500 – CL G. from Standard Methods for the Examination of Waters and Wastewater. The permittee will conduct analyses in accordance with this method, or equivalent, and report actual analytical values. The minimum quantification level does not authorize the discharge of chlorine in excess of the effluent limits stated in the permit. Measured values greater than or equal to the minimum quantification level of 130 µg/L will be considered violations of the permit and values less than the minimum quantification level of 130 µg/L will be considered to be in compliance with the permit limitation.
- Disinfection is required during the recreational season from April 1 through October 31. Do not chlorinate during the non-recreational months and an actual analysis for TRC is not necessary.
- Do not chemically de-chlorinate **if it is not needed to meet the limits in your permit**.
- If no chlorine was used in a given sampling period, an actual analysis for TRC is not necessary. Simply report as “AG – Conditional Monitoring Not Required This Period” for TRC in the eDMR system.

Note 3 – Influent sampling for BOD₅ and TSS is not required when the facility does not discharge effluent during the reporting period. Samples are to be collected prior to any treatment process. Calculate Percent Removal by using the following formula: $[(\text{Average Influent} - \text{Average Effluent}) / \text{Average Influent}] \times 100\% = \text{Percent Removal}$. Influent and effluent samples are to be taken during the same month. The Average Influent and Average Effluent values are to be calculated by adding the respective values together and dividing by the number of samples taken during the month. Influent samples are to be collected as a 24-hour composite sample, composed of 48 aliquots (subsamples) collected at 30 minute intervals by an automatic sampling device.

C. STANDARD CONDITIONS

In addition to specified conditions stated herein, this permit is subject to the attached Parts I, II, & III standard conditions dated August 1, 2014, May 1, 2013, and August 1, 2019, and hereby incorporated as though fully set forth herein.

- The biosolids earthen storage basins provide temporary storage for stabilized biosolids prior to land application. Biosolids are generally stored in the basins for less than two years before being land applied. However, weather, hydrologic conditions, or other operational constraints could prevent the application or removal of all biosolids within that timeline. As per Standard Conditions Part III, Section F. 2., an alternate schedule for sludge removal from the basins is approved. The following is the approved alternate schedule: In order to maintain the biosolids earthen storage basins as storage facilities, accumulated biosolids must be land applied or removed routinely, but not less than once every five years, provided that adequate storage capacity is maintained in the basins.

D. SPECIAL CONDITIONS

1. Electronic Discharge Monitoring Report (eDMR) Submission System. Per 40 CFR Part 127 National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule, reporting of effluent monitoring data and any report required by the permit (unless specifically directed otherwise by the permit) shall be submitted by the permittee via an electronic system to ensure timely, complete, accurate, and nationally consistent set of data about the NPDES program.
 - (a) eDMR Registration Requirements. The permittee must register with the Department's eDMR system through the Missouri Gateway for Environmental Management (MoGEM) before the first report is due. Registration and other information regarding MoGEM can be found at <https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem>. Information about the eDMR system can be found at <https://dnr.mo.gov/water/business-industry-other-entities/reporting/electronic-discharge-monitoring-reporting-system-edmr>. The first user shall register as an Organization Official and the association to the facility must be approved by the Department. Regarding Standard Conditions Part I, Section B, #7, the eDMR system is currently the only Department approved reporting method for this permit unless a waiver is granted by the Department. See paragraph (c) below.
 - (b) Electronic Submissions. To access the eDMR system, use the following link in your web browser: <https://apps5.mo.gov/mogems/welcome.action>. If you experience difficulties with using the eDMR system you may contact edmr@dnr.mo.gov or call 855-789-3889 or 573-526-2082 for assistance.
 - (c) Waivers from Electronic Reporting. The permittee must electronically submit compliance monitoring data and reports unless a waiver is granted by the Department in compliance with 40 CFR Part 127. Only permittees with an approved waiver request may submit monitoring data and reports on paper to the Department for the period that the approved electronic reporting waiver is effective. The permittee may obtain an electronic reporting waiver by first submitting an eDMR Waiver Request Form: <https://dnr.mo.gov/document-search/electronic-discharge-monitoring-report-waiver-request-form-mo-780-2692>. The Department will either approve or deny this electronic reporting waiver request within 120 calendar days.
2. The full implementation of this operating permit, which includes implementation of any applicable schedules of compliance, shall constitute compliance with all applicable federal and state statutes and regulations in accordance with §644.051.16, RSMo, and the Clean Water Act (CWA) section 402(k); however, this permit may be reopened and modified, or alternatively revoked and reissued:
 - (a) To comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the CWA, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) To incorporate an approved pretreatment program or modification thereto pursuant to 40 CFR 403.8(c) or 40 CFR 403.18(e), respectively.
3. All outfalls must be clearly marked in the field.
4. Report as no-discharge when a discharge does not occur during the report period.

D. SPECIAL CONDITIONS (continued)

5. Reporting of Non-Detects:

- (a) An analysis conducted by the permittee or their contracted laboratory shall be conducted in such a way that the precision and accuracy of the analyzed result can be enumerated.
- (b) The permittee shall not report a sample result as "Non-Detect" without also reporting the detection limit of the test. Reporting as "Non Detect" without also including the detection limit will be considered failure to report, which is a violation of this permit.
- (c) The permittee shall provide the "Non-Detect" sample result using the less than sign and the minimum detection limit (e.g. <10).
- (d) Where the permit contains a Minimum Level (ML) and the permittee is granted authority in the permit to report zero in lieu of the < ML for a specified parameter (conventional, priority pollutants, metals, etc.), then zero (0) is to be reported for that parameter.
- (e) See Standard Conditions Part I, Section A, #4 regarding proper detection limits used for sample analysis.
- (f) When a parameter is not detected above ML, the permittee must report the data qualifier signifying less than ML for that parameter (e.g., < 50 µg/L, if the ML for the parameter is 50 µg/L). For reporting an average based on a mix of values detected and not detected, assign a value of "0" for all non-detects for that reporting period and report the average of all the results.

6. It is a violation of the Missouri Clean Water Law to fail to pay fees associated with this permit (644.055 RSMo).

7. The permittee shall comply with any applicable requirements listed in 10 CSR 20-9, unless the facility has received written notification that the Department has approved a modification to the requirements. The monitoring frequencies contained in this permit shall not be construed by the permittee as a modification of the monitoring frequencies listed in 10 CSR 20-9. To request a modification of the operational control testing requirements listed in 10 CSR 20-9, the permittee shall submit a permit modification application and fee to the Department requesting a deviation from the operational control monitoring requirements. Upon approval of the request, the Department will modify the permit.

(a) The facility is approved for the following modified monitoring frequency:

- (1) Total Residual Chlorine analyses of the effluent shall be performed weekly during the recreational season per Note 2 on Page 4, in accordance with the measurement frequency outlined in Table A-1 on Page 3.

8. The permittee has developed a comprehensive program for maintenance and repair of the collection system. The permittee's program is consistent with the US EPA's Guide for Evaluating Capacity, Management, Operation, And Maintenance Plan Performance Criteria (CMOM) Programs at Sanitary Sewer Collection Systems (Document number EPA 305-B-05-002). The permittee shall continue to implement the CMOM Program in accordance with the federal consent decree entered in the matter of the *United States v. The City of Kansas City, Missouri, 4:10-cv-0497*, including any amendment thereto. The permittee shall continue to submit an Annual Report to the Department on the same date it submits the report to the EPA.

9. Bypasses are not authorized at this facility unless they meet the criteria in 40 CFR 122.41(m). If a bypass occurs, the permittee shall report in accordance to 40 CFR 122.41(m)(3), and with Standard Condition Part I, Section B, subsection 2. Bypasses are to be reported to the Kansas City Regional Office during normal business hours or by using the online Sanitary Sewer Overflow/Facility Bypass Application located at: <https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem> or the Environmental Emergency Response spill-line at 573-634-2436 outside of normal business hours. Once an electronic reporting system compliant with 40 CFR Part 127, the National Pollutant Discharge Elimination System (NPDES) Electronic Reporting Rule, is available all bypasses must be reported electronically via the new system. Blending, which is the practice of combining a partially-treated wastewater process stream with a fully-treated wastewater process stream prior to discharge, is not considered a form of bypass. If the permittee wishes to utilize blending, the permittee shall file an application to modify this permit to facilitate the inclusion of appropriate monitoring conditions.

10. The facility must be sufficiently secured to restrict entry by children, livestock and unauthorized persons as well as to protect the facility from vandalism.

11. An Operation and Maintenance (O & M) manual shall be maintained by the permittee and made available to the operator. The O & M manual shall include key operating procedures and a brief summary of the operation of the facility.

12. An all-weather access road to the treatment facility shall be maintained.

13. The outfall sewer shall be protected and maintained against the effects of floodwater, ice, or other hazards as to reasonably insure its structural stability, freedom from stoppage, and that a sample of the effluent can be obtained at a point after the final treatment process and before the discharge mixes with the receiving waters.

D. SPECIAL CONDITIONS (continued)

14. The permittee shall perform a minimum of four whole effluent toxicity tests in the four and one-half year period prior to the next permit renewal application. The four tests shall consist of two chronic toxicity tests and two acute toxicity tests in accordance with Special Conditions #15 and #16.
15. Acute Whole Effluent Toxicity (WET) tests shall be conducted as follows:
 - (a) Freshwater Species and Test Methods: Species and short-term test methods for estimating the acute toxicity of NPDES effluents are found in the most recent edition of *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (EPA/821/R-02/012; Table IA, 40 CFR Part 136). The permittee shall concurrently conduct 48-hour, static, non-renewal toxicity tests with the following species:
 - i. The fathead minnow, *Pimephales promelas* (Acute Toxicity EPA Test Method 2000.0).
 - ii. The daphnid, *Ceriodaphnia dubia* (Acute Toxicity EPA Test Method 2002.0).
 - (b) Chemical and physical analysis of the upstream control sample and effluent sample shall occur immediately upon being received by the laboratory, prior to any manipulation of the effluent sample beyond preservation methods consistent with federal guidelines for WET testing that are required to stabilize the sample during shipping. Where upstream receiving water is not available or known to be toxic, other approved control water may be used.
 - (c) Test conditions must meet all test acceptability criteria required by the EPA Method used in the analysis.
 - (d) The laboratory shall not chemically dechlorinate the sample.
 - (e) The Allowable Effluent Concentration (AEC) is 9%; the dilution series is: 36%, 18%, 9%, 4.5%, and 2.25%.
 - (f) All chemical and physical analysis of the effluent sample performed in conjunction with the WET test shall be performed at the 100% effluent concentration.
 - (g) The facility must submit a full laboratory report for all toxicity testing. The report must include a quantification of acute toxic units ($TU_a = 100/LC_{50}$) reported according to the test methods manual chapter on report preparation and test review. The Lethal Concentration 50 Percent (LC_{50}) is the effluent concentration that would cause death in 50 percent of the test organisms at a specific time.
16. Chronic Whole Effluent Toxicity (WET) tests shall be conducted as follows:
 - (a) Freshwater Species and Test Methods: Species and short-term test methods for estimating the chronic toxicity of NPDES effluents are found in the most recent edition of *Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* (EPA/821/R-02/013; Table IA, 40 CFR Part 136). The permittee shall concurrently conduct 7-day, static renewal toxicity tests with the following species:
 - o The fathead minnow, *Pimephales promelas* (Survival and Growth Test Method 1000.0).
 - o The daphnid, *Ceriodaphnia dubia* (Survival and Reproduction Test Method 1002.0).
 - (b) Chemical and physical analysis of the upstream control sample and effluent sample shall occur immediately upon being received by the laboratory, prior to any manipulation of the effluent sample beyond preservation methods consistent with federal guidelines for WET testing that are required to stabilize the sample during shipping. Where upstream receiving water is not available or known to be toxic, other approved control water may be used.
 - (c) Test conditions must meet all test acceptability criteria required by the EPA Method used in the analysis.
 - (d) The laboratory shall not chemically dechlorinate the sample.
 - (e) The Allowable Effluent Concentration (AEC) is 1%, the dilution series is: 4%, 2%, 1%, 0.50%, and 0.25%.
 - (f) All chemical and physical analysis of the effluent sample performed in conjunction with the WET test shall be performed at the 100% effluent concentration.
 - (g) The facility must submit a full laboratory report for all toxicity testing. The report must include a quantification of chronic toxic units ($TU_c = 100/IC_{25}$) reported according to the *Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* chapter on report preparation and test review. The 25 percent Inhibition Effect Concentration (IC_{25}) is the toxic or effluent concentration that would cause 25 percent reduction in mean young per female or in growth for the test populations.
17. Expanded Effluent Testing
Permittee must sample and analyze for the pollutants listed in Form B2 – Application for Operating Permit for Facilities That Receive Primarily Domestic Waste And Have A Design Flow More Than 100,000 Gallons Per Day (MO-780-1805 dated 02-19), Part D – Expanded Effluent Testing Data, #18. The permittee shall provide this data with the permit renewal application. A minimum of three samples taken within four and one-half years prior to the date of the permit application must be provided. Samples must be representative of the seasonal variation in the discharge from each outfall. Approved and sufficiently sensitive testing methods listed in 40 CFR 136.3 must be utilized. A method is “sufficiently sensitive” when; 1) The method minimum level is at or below the level of the applicable water quality criterion for the measured pollutant or pollutant parameter; or 2) the method minimum level is above the applicable water quality criterion, but the amount of the pollutant or pollutant parameter in a facility's discharge is high enough that the method detects and quantifies the level of the pollutant or pollutant parameter in the discharge; or 3) the method has the lowest minimum level of the analytical methods approved under 40 CFR part 136. These methods are also required for parameters listed as monitoring only, as the data collected may be used to determine if numeric limitations need to be established.

D. SPECIAL CONDITIONS (continued)

18. Stormwater Pollution Prevention Plan (SWPPP): A SWPPP must be implemented upon permit issuance. Through implementation of the SWPPP, the permittee shall minimize the release of pollutants in stormwater from the facility to the waters of the state. The SWPPP shall be developed in consultation with the concepts and methods described in the following document: Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators, (Document number EPA 833-B-09-002) published by the United States Environmental Protection Agency (USEPA) in June 2015.
- (a) The SWPPP must identify any stormwater outfall from the facility and Best Management Practices (BMPs) used to prevent or reduce the discharge of contaminants in stormwater. The stormwater outfalls shall either be marked in the field or clearly marked on a map and maintained with the SWPPP.
 - (b) The SWPPP must include a schedule and procedures for a once per month routine site inspection.
 - (1) The monthly routine inspection shall be documented in a brief written report, which shall include:
 - i. The person(s) conducting the inspection.
 - ii. The inspection date and time.
 - iii. Weather information for the day of the inspection.
 - iv. Precipitation information for the entire period since the last inspection.
 - v. Description of the discharges observed, including visual quality of the discharges (sheen, turbid, etc.).
 - vi. Condition of BMPs
 - vii. If BMPs were replaced or repaired.
 - viii. Observations and evaluations of BMP effectiveness.
 - (2) Any deficiency observed during the routine inspection must be corrected within seven (7) days and the actions taken to correct the deficiencies shall be included with the written report.
 - (3) The routine inspection reports must be kept onsite with the SWPPP and maintained for a period of five (5) years.
 - (4) The routine inspection reports shall be made available to Department personnel upon request.
 - (c) The SWPPP must include a schedule and procedures for a once per year comprehensive site inspection.
 - (1) The annual comprehensive inspection shall be documented in a written report, which shall include:
 - i. The person(s) conducting the inspection.
 - ii. The inspection date and time.
 - iii. Findings from the areas of your facility that were examined;
 - iv. All observations relating to the implementation of your control measures including:
 - 1. Previously unidentified discharges from the site,
 - 2. Previously unidentified pollutants in existing discharges,
 - 3. Evidence of, or the potential for, pollutants entering the drainage system;
 - 4. Evidence of pollutants discharging to receiving waters at all facility outfall(s), and the condition of and around the outfall, and
 - 5. Additional control measures needed to address any conditions requiring corrective action identified during the inspection.
 - v. Any required revisions to the SWPPP resulting from the inspection;
 - vi. Any incidence of noncompliance observed or a certification stating that the facility is in compliance with Special Condition D.18.
 - (2) Any deficiency observed during the comprehensive inspection must be corrected within seven (7) days and the actions taken to correct the deficiencies shall be included with the written report.
 - (3) The comprehensive inspection reports must be kept onsite with the SWPPP and maintained for a period of five (5) years.
 - (4) The comprehensive inspection reports shall be made available to Department personnel upon request.
 - (d) The SWPPP must be kept on-site and should not be sent to the Department unless specifically requested.
 - (e) The SWPPP must be reviewed and updated at a minimum once per permit cycle, as site conditions or control measures change.
19. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP.
- (a) Permittee shall adhere to the following minimum Best Management Practices (BMPs):
 - (1) Minimize the exposure of industrial material storage areas, loading and unloading areas, dumpsters and other disposal areas, maintenance activities, and fueling operations to rain, snow, snowmelt, and runoff, by locating industrial materials and activities inside or protecting them with storm resistant coverings, if warranted and practicable.
 - (2) Provide good housekeeping practices on the site to prevent potential pollution sources from coming into contact with stormwater and provide collection facilities and arrange for proper disposal of waste products, including sludge.
 - (3) Implement a maintenance program to ensure that the structural control measures and industrial equipment is kept in good operating condition and to prevent or minimize leaks and other releases of pollutants.
 - (4) Prevent or minimize the spillage or leaks of fluids, oil, grease, fuel, etc. from equipment and vehicle maintenance, equipment and vehicle cleaning, or activities.

D. SPECIAL CONDITIONS (continued)

- (5) Provide sediment and erosion control sufficient to prevent or control sediment loss off of the property. This could include the use of straw bales, silt fences, or sediment basins, if needed.
 - (6) Provide stormwater runoff controls to divert, infiltrate, reuse, contain, or otherwise minimize pollutants in the stormwater discharge.
 - (7) Enclose or cover storage piles of salt or piles containing salt, used for deicing or other commercial or industrial purposes.
 - (8) Provide training to all employees who; work in areas where industrial materials or activities are exposed to stormwater, are responsible for stormwater inspections, are members of the Pollution Prevention Team. Training must cover the specific control measures and monitoring, inspection, planning, reporting and documentation requirements of this permit. Training is recommended annually for any applicable staff and whenever a new employee is hired who meets the description above.
 - (9) Eliminate and prevent unauthorized non-stormwater discharges at the facility.
 - (10) Minimize generation of dust and off-site tracking of raw, final, or waste materials by implementing appropriate control measures.
20. **Pretreatment:** The permittee shall implement and enforce its approved pretreatment program in accordance with the requirements of 10 CSR 20-6.100. The approved pretreatment program is hereby incorporated by reference.
- (a) The permittee shall submit to the Department via the Electronic Discharge Monitoring Report (eDMR) Submission System on or before March 31st of each year a report briefly describing its pretreatment activities during the previous calendar year. The requirements for the annual report are contained in the KC Blue River WWTP's Missouri State Operating Permit #MO-0024911.
 - (b) The permittee is currently working to complete a technical local limit evaluation. The requirements and timelines are contained in the KC Blue River WWTP's Missouri State Operating Permit #MO-0024911.
 - (c) Please contact the Department's pretreatment coordinator for further guidance. Should revision of local limits be deemed necessary, it is recommended that revisions follow the US Environmental Protection Agency's guidance document *Local Limits Development Guidance*. EPA833-R04-002A. July 2004.
21. The permittee shall update their pretreatment program to incorporate the requirements of 10 CSR 20-6.100, effective October 30, 2012, which adopted the 2005 "Streamlining" revisions to the federal pretreatment rule, 40 CFR 403. This update to city code will include at the minimum the "required streamlining" 40 CFR 403 rule updates.
22. **Sewer Extension Authority Supervised Program**
- The Department approved the Sewer Extension Authority Supervised Program for the City of Kansas City to regulate and approve construction of sanitary sewers and pump stations, which are tributary to this wastewater treatment facility on December 19, 2019. The City of Kansas City shall act as the continuing authority for the operation, maintenance, and modernization of the constructed collection system. This approval may be modified or revoked by the Department if the wastewater collection, transportation, or treatment facilities reach their design capacity, if the treatment facility falls into chronic noncompliance with the permit, or if the permittee fails to follow the terms and conditions of the submitted and approved program.
- This permit may be reopened and modified or alternatively revoked and reissued to incorporate new or modified conditions to the Sewer Extension Authority Supervised Program, if information indicates changes are necessary to assure compliance with Missouri's Clean Water Law and associated regulations. When any of the above mentioned conditions occur, the permittee will be notified prior to any modifications of this permit condition. Plans and specifications for all projects which include a proposed sanitary sewer overflow must be submitted to the Department to provide record information for location and size of the sanitary sewer overflow.
- An annual report on the Sewer Extension Authority Supervised Program is required under the conditions of the KC Blue River WWTP's Missouri State Operating Permit #MO-0024911. Please see **Appendix – Sewer Extension Authority Supervised Program Reauthorization Letter** for applicable conditions.
- The Department's Water Protection Program's Engineering Section will reevaluate the City's Sewer Extension Authority Supervised Program for reauthorization when they file an application for permit renewal to determine if it is current, complete, and meets the requirements of 10 CSR 20-8 Minimum Design Standards. Once the Sewer Extension Authority Supervised Program is reauthorized or denied, this condition will be updated accordingly.
23. The biosolids earthen storage basins shall be operated and maintained to ensure their structural integrity, which includes maintaining adequate freeboard and keeping the berms free of deep-rooted vegetation, animal dens, or other potential sources of damage.
24. The facility shall ensure that adequate provisions are provided to prevent or minimize surface water intrusion into the biosolids earthen storage basins and to divert stormwater runoff around the biosolids earthen storage basins and protect embankments from erosion.

E. NOTICE OF RIGHT TO APPEAL

If you were adversely affected by this decision, you may be entitled to pursue an appeal before the administrative hearing commission (AHC) pursuant to Sections 621.250 and 644.051.6 RSMo. To appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC. Any appeal should be directed to:

Administrative Hearing Commission
U.S. Post Office Building, Third Floor
131 West High Street, P.O. Box 1557
Jefferson City, MO 65102-1557
Phone: 573-751-2422
Fax: 573-751-5018
Website: <https://ahc.mo.gov>

**MISSOURI DEPARTMENT OF NATURAL RESOURCES
FACT SHEET
FOR THE PURPOSE OF RENEWAL
OF
MO-0049531
KC BIRMINGHAM WWTP**

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollutant Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of stormwater from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Missouri State Operating Permits (MSOPs) are issued by the Director of the Missouri Department of Natural Resources (Department) under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended). MSOPs are issued for a period of five (5) years unless otherwise specified.

As per [40 CFR Part 124.8(a)] and [10 CSR 20-6.020(1)(A)2.], a Factsheet shall be prepared to give pertinent information regarding the applicable regulations, rationale for the development of effluent limitations and conditions, and the public participation process for the Missouri State Operating Permit (operating permit) listed below.

A Factsheet is not an enforceable part of an operating permit.

Part I – Facility Information

Application Date: 03/08/2016
Expiration Date: 08/31/2016

Facility Type and Description: POTW - 2 screening baskets / 2 aerated grit chambers / 2 primary clarifiers / 3 activated sludge basins / 2 final clarifiers / chlorination / dechlorination / effluent pump station / sludge is pumped to the KC Blue River WWTP (#MO-0024911) for digestion / some or all anaerobically digested biosolids from all KC WWTPs are pumped back to the KC Birmingham WWTP property and are stored in 5 biosolids earthen storage basins / biosolids are land applied

OUTFALL(S) TABLE:

OUTFALL	DESIGN FLOW (CFS)	TREATMENT LEVEL	EFFLUENT TYPE
#001	31	Secondary	Domestic

Comments:

Changes in this permit for Outfall #001 include the addition of Total Phosphorus, Total Kjeldahl Nitrogen, and Nitrate + Nitrite monitoring, the revision of pH limits, revision of TRC limits, the removal of Chlordane and Total Toxic Organics, and the removal of Oil & Grease limits and change to monitoring only. Changes in this permit for Permitted Feature INF include the addition of Total Phosphorus, Ammonia, Total Kjeldahl Nitrogen, and Nitrate + Nitrite. See Part II of the Fact Sheet for further information regarding the addition, revision, and removal of influent and effluent parameters. Special conditions were updated to include the addition of inflow and infiltration reporting requirements, reporting of Non-detects, bypass reporting requirements, pretreatment requirements, and the Electronic Discharge Monitoring Report (eDMR) Submission System.

Part II – Effluent Limitations and Monitoring Requirements

OUTFALL #001 – MAIN FACILITY OUTFALL

Effluent limitations derived and established in the below Effluent Limitations Table are based on current operations of the facility. Future permit action due to facility modification may contain new operating permit terms and conditions that supersede the terms and conditions, including effluent limitations, of this operating permit.

OUTFALL #001 - RECEIVING STREAM INFORMATION

RECEIVING STREAM(S) TABLE:

WATER-BODY NAME	CLASS	WBID	DESIGNATED USES*	12-DIGIT HUC	DISTANCE TO CLASSIFIED SEGMENT (MI)
Missouri River	P	356	AQL, WBC-B, SCR, HHP, IRR, LWW, DWS, IND	10300101-0305	0

*As per 10 CSR 20-7.031 Missouri Water Quality Standards, the Department defines the Clean Water Commission's water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and 1st classified receiving stream's beneficial water uses to be maintained are in the receiving stream table in accordance with [10 CSR 20-7.031(1)(C)].

Uses found in the receiving streams table, above:

10 CSR 20-7.031(1)(C)1.:

AQL = Protection of aquatic life (Current narrative use(s) are defined to ensure the protection and propagation of fish shellfish and wildlife, which is further subcategorized as: **WWH** = Warm Water Habitat; **CDF** = Cold-water fishery (Current narrative use is cold-water habitat.); **CLF** = Cool-water fishery (Current narrative use is cool-water habitat); **EAH** = Ephemeral Aquatic Habitat; **MAH** = Modified Aquatic Habitat; **LAH** = Limited Aquatic Habitat. This permit uses AQL effluent limitations in 10 CSR 20-7.031 Table A for all habitat designations unless otherwise specified.)

10 CSR 20-7.031(1)(C)2.: Recreation in and on the water

WBC = Whole Body Contact recreation where the entire body is capable of being submerged;

WBC-A = Whole body contact recreation that supports swimming uses and has public access;

WBC-B = Whole body contact recreation that supports swimming;

SCR = Secondary Contact Recreation (like fishing, wading, and boating).

10 CSR 20-7.031(1)(C)3. to 7.:

HHP (formerly HHF) = Human Health Protection as it relates to the consumption of fish;

IRR = Irrigation for use on crops utilized for human or livestock consumption;

LWW = Livestock and wildlife watering (Current narrative use is defined as **LWP** = Livestock and Wildlife Protection);

DWS = Drinking Water Supply;

IND = Industrial water supply

10 CSR 20-7.031(1)(C)8-11.: Wetlands (10 CSR 20-7.031 Table A currently does not have corresponding habitat use criteria for these defined uses)

WSA = Storm- and flood-water storage and attenuation; **WHP** = Habitat for resident and migratory wildlife species;

WRC = Recreational, cultural, educational, scientific, and natural aesthetic values and uses; **WHC** = Hydrologic cycle maintenance.

10 CSR 20-7.031(6): **GRW** = Groundwater

RECEIVING STREAM(S) LOW-FLOW VALUES:

RECEIVING STREAM	LOW-FLOW VALUES (CFS)*		
	1Q10	7Q10	30Q10
Missouri River (P)	18,002.9	19,042.7	20,362.1

* Data from USGS Gauge Station 06893000 located on the Missouri River at Kansas City, Missouri.

MIXING CONSIDERATIONS TABLE:

MIXING ZONE (CFS) [10 CSR 20-7.031(5)(A)4.B.(II)(a)]			ZONE OF INITIAL DILUTION (CFS) [10 CSR 20-7.031(5)(A)4.B.(II)(b)]		
1Q10	7Q10	30Q10	1Q10	7Q10	30Q10
4,500.725	4,760.675	5,090.525	310	310	310

Receiving Water Body's Water Quality

Section 303(d) of the federal Clean Water Act requires that each state identify waters that are not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. The 303(d) list helps state and federal agencies keep track of waters that are impaired but not addressed by normal water pollution control programs.

A TMDL is a calculation of the maximum amount of a given pollutant that a body of water can absorb before its water quality is affected. If a water body is determined to be impaired as listed on the 303(d) list, then a watershed management plan will be developed that shall include the TMDL calculation

- ✓ This facility discharges to a 303(d) listed stream. The Missouri River is listed on the 2018 Missouri 303(d) List for *E. coli*.
 - It is unknown at this time if the facility is a source of the above listed pollutant or considered to contribute to the impairment of the Missouri River. Once a TMDL is developed, the permit may be modified to include WLAs from the TMDL.
- ✓ This facility discharges to a stream with an EPA approved TMDL. The TMDL for the Missouri River was approved by the EPA on November 3, 2006. The pollutants of concern were Chlordane and Polychlorinated Biphenyls. The TMDL discusses that there are no Missouri facilities which discharge either directly to the Missouri River, or a tributary to, that have a potential to discharge detectable amounts of PCBs or chlordane. Therefore, the KC Birmingham WWTP is not considered a source of the pollutants of concern.

CHANGES TO EFFLUENT LIMITATIONS TABLE:

PARAMETER	Unit	Basis for Limits	Daily Maximum	Weekly Average	Monthly Average	Previous Permit Limit	Sampling Frequency	Reporting Frequency	Sample Type ****
Oil & Grease	mg/L	1, 3	*		*	15/10	1/month	monthly	G
Chlorine, Total Residual	µg/L	1, 3	209		91	180/89.6	1/week	monthly	G
Total Phosphorus	mg/L	1	*		*	***	1/month	monthly	C
Total Kjeldahl Nitrogen	mg/L	1	*		*	***	1/month	monthly	C
Nitrite + Nitrate	mg/L	1	*		*		1/month	monthly	C
Acute Whole Effluent Toxicity	TUa	1, 9	*			% survival	2 acute and 2 chronic for next permit renewal		C
Chronic Whole Effluent Toxicity	TUc	1, 9	*			***			C
PARAMETER	Unit	Basis for Limits	Minimum		Maximum	Previous Permit Limit	Sampling Frequency	Reporting Frequency	Sample Type
pH	SU	1	6.0		9.0	6.5-9.0	1/weekday	monthly	G
PARAMETER	Unit	Basis for Limits	Daily Minimum		Monthly Avg. Min	Previous Permit Limit	Sampling Frequency	Reporting Frequency	Sample Type
BOD ₅ Percent Removal	%	1			85	85	1/month	monthly	M
TSS Percent Removal	%	1			85	85	1/month	monthly	M

* - Monitoring requirement only.

** - #/100mL; the Monthly Average for *E. coli* is a geometric mean.

*** - Parameter not previously established in previous state operating permit.

**** - C = 24-hour composite

G = Grab

T = 24-hr. total

E = 24-hr. estimate

M = Measured/calculated

Basis for Limitations Codes:

- | | | |
|--|-----------------------------------|---|
| 1. State or Federal Regulation/Law | 5. Antidegradation Policy | 9. WET Test Policy |
| 2. Water Quality Standard (includes RPA) | 6. Water Quality Model | 10. Multiple Discharger Variance |
| 3. Water Quality Based Effluent Limits | 7. Best Professional Judgment | 11. Nutrient Criteria Implementation Plan |
| 4. Antidegradation Review | 8. TMDL or Permit in lieu of TMDL | |

OUTFALL #001 – DERIVATION AND DISCUSSION OF LIMITS:

- **Flow.** In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.
- **Biochemical Oxygen Demand (BOD₅).** Operating permit retains 45 mg/L as a Weekly Average and 30 mg/L as a Monthly Average from the previous permit. Effluent limits were established in accordance with 10 CSR 20-7.015(2) for discharges to the Missouri or Mississippi Rivers.
- **Total Suspended Solids (TSS).** Operating permit retains 45 mg/L as a Weekly Average and 30 mg/L as a Monthly Average from the previous permit. Effluent limits were established in accordance with 10 CSR 20-7.015(2) for discharges to the Missouri or Mississippi Rivers.

- **Escherichia coli (E. coli)**. Monthly average of 206 per 100 mL as a geometric mean and Weekly Average of 1,030 per 100 mL as a geometric mean during the recreational season (April 1 – October 31), for discharges within two miles upstream of segments or lakes with Whole Body Contact Recreation (B) designated use of the receiving stream, as per 10 CSR 20-7.015(9)(B). An effluent limit for both monthly average and weekly average is required by 40 CFR 122.45(d). The Geometric Mean is calculated by multiplying all of the data points and then taking the nth root of this product, where n = # of samples collected. For example: Five *E. coli* samples were collected with results of 1, 4, 6, 10, and 5 (#/100mL). Geometric Mean = 5th root of (1)(4)(6)(10)(5) = 5th root of 1,200 = 4.1 #/100mL.
- **Total Ammonia Nitrogen**. Monitoring requirement only. This data will be reviewed during the next permit renewal.
- **Oil & Grease**. Monitoring requirement only. This data will be reviewed during the next permit renewal.
- **Total Residual Chlorine (TRC)**. Warm-water Protection of Aquatic Life CCC = 11 µg/L, CMC = 19 µg/L [10 CSR 20-7.031, Table A]. Background TRC = 0.0 µg/L.

Chronic WLA: $C_e = ((31 + 4760.675)11 - (4760.675 * 0.0))/31 = 1700.3 \text{ µg/L}$

Acute WLA: $C_e = ((31 + 310)19 - (310 * 0.0))/31 = 209 \text{ µg/L}$

$LTA_c = 1700.3 (0.4376787) = 744.2 \text{ µg/L}$

[CV = 0.805, 99th Percentile]

$LTA_a = 209 (0.2480057) = 51.8 \text{ µg/L}$

[CV = 0.805, 99th Percentile]

Use most protective number of LTA_c or LTA_a .

$MDL = 51.8 (4.0321661) = 209 \text{ µg/L}$

[CV = 0.805, 99th Percentile]

$AML = 51.8 (1.7548348) = 91 \text{ µg/L}$

[CV = 0.805, 95th Percentile, n = 4]

The Water Quality Based Effluent Limit for Total Residual Chlorine was calculated to be 209 µg/L (daily maximum limit) and 91 µg/L (monthly average limit). The monthly average limit is below the minimum quantification level (ML) of the most common and practical EPA approved CLTRC methods. The Department has determined the current acceptable ML for total residual chlorine to be 130 µg/L when using the DPD Colorimetric Method #4500 – CL G. from Standard Methods for the Examination of Waters and Wastewater. The permittee will conduct analyses in accordance with this method, or equivalent, and report actual analytical values. Measured values greater than or equal to the minimum quantification level of 130 µg/L will be considered violations of the permit and values less than the minimum quantification level of 130 µg/L will be considered to be in compliance with the permit limitation.

- **Total Phosphorus and Total Nitrogen (Speciated)**. Effluent monitoring for Total Phosphorus, Total Kjeldahl Nitrogen, and Nitrite + Nitrate are required per 10 CSR 20-7.015(9)(D)8.
- **pH**. 6.0-9.0 SU. The permit writer has made a reasonable potential determination based on the assimilative capacity of the receiving stream that the discharge will not cause or contribute to the excursion of the water quality standard for pH instream. Therefore, effluent limitations as required by 10 CSR 20-7.015 are substituted for the pH water quality criteria of 6.5-9.0 SU.
- **Biochemical Oxygen Demand (BOD₅) Percent Removal**. In accordance with 40 CFR Part 133, removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to BOD₅ and TSS for Publicly Owned Treatment Works (POTWs)/municipals. This facility is required to meet 85% removal efficiency for BOD₅.
- **Total Suspended Solids (TSS) Percent Removal**. In accordance with 40 CFR Part 133, removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to BOD₅ and TSS for Publicly Owned Treatment Works (POTWs)/municipals. This facility is required to meet 85% removal efficiency for TSS.

Whole Effluent Toxicity

- **Acute Whole Effluent Toxicity**. Monitoring requirement only. Monitoring is required to determine if reasonable potential exists for this facility's discharge to exceed water quality standards.

✓ Classified P with other than default Mixing Considerations, the AEC% is determined as follows:

$$\text{Acute AEC\%} = \{[(\text{design flow}_{\text{cfs}} + \text{ZID}_{7Q10}) / \text{design flow}_{\text{cfs}}]^{-1}\} \times 100 = \#\%$$

$$\text{Acute AEC\%} = \{[(31 + 310) / 31]^{-1}\} \times 100 = 9\%$$

- **Chronic Whole Effluent Toxicity.** Monitoring requirement only. Monitoring is required to determine if reasonable potential exists for this facility's discharge to exceed water quality standards.
- Classified P with other than default Mixing Considerations, the AEC% is determined as follows:

$$\text{Chronic AEC\%} = \{[(\text{design flow}_{\text{cfs}} + \text{MZ}_{7\text{Q}10}) / \text{design flow}_{\text{cfs}}]^{-1}\} \times 100 = \#\%$$

$$\text{Chronic AEC\%} = \{[(31 + 4760.675) / 31]^{-1}\} \times 100 = 1.0\%$$

Sampling Frequency Justification: The Department has determined that previously established sampling and reporting frequency is sufficient to characterize the facility's effluent and be protective of water quality. Weekly sampling is required for *E. coli*, per 10 CSR 20-7.015(9)(D)7.A. Total Phosphorus, Total Kjeldahl Nitrogen, and Nitrate + Nitrite frequencies are set to monthly per 10 CSR 20-7.015(9)(D)8.B. Total Residual Chlorine is changed to once per week per the approval of the Department to modify 10 CSR 20-9.010 operational monitoring requirements.

WET Test Sampling Frequency Justification. WET Testing schedules and intervals are established in accordance with the Department's Permit Manual; Section 5.2 *Effluent Limits / WET Testing for Compliance Bio-monitoring*. It is recommended that WET testing be conducted during the period of lowest stream flow.

Acute and Chronic Whole Effluent Toxicity – The permittee shall perform a minimum of four whole effluent toxicity tests in the four and one-half year period prior to the next permit renewal application. The four tests shall consist of two chronic toxicity tests and two acute toxicity tests.

Sampling Type Justification: As per 10 CSR 20-7.015, samples collected for mechanical plants shall be a 24 hour composite sample. Grab samples, however, must be collected for pH, *E. coli*, TRC, and Oil & Grease in accordance with recommended analytical methods. For further information on sampling and testing methods please review 10 CSR 20-7.015(9)(D) 2.

PERMITTED FEATURE INF – INFLUENT MONITORING

The monitoring requirements established in the below Monitoring Requirements Table are based on current operations of the facility. Future permit action due to facility modification may contain new operating permit terms and conditions that supersede the terms and conditions, including the monitoring requirements listed in this table.

CHANGES TO INFLUENT MONITORING:

PARAMETER	Unit	Basis for Limits	Daily Maximum	Weekly Average	Monthly Average	Previous Permit Limit	Sampling Frequency	Reporting Frequency	Sample Type ****
BOD ₅	mg/L	1			*	*	1/month	monthly	C
TSS	mg/L	1			*	*	1/week	monthly	C
Ammonia as N	mg/L	1	*		*	***	1/month	monthly	C
Total Phosphorus	mg/L	1	*		*	***	1/month	monthly	C
Total Kjeldahl Nitrogen	mg/L	1	*		*	***	1/month	monthly	C
Nitrite + Nitrate	mg/L	1	*		*	***	1/month	monthly	C

* - Monitoring requirement only.

*** - Parameter not previously established in previous state operating permit.

**** - C = Composite

G = Grab

Basis for Limitations Codes:

- | | | |
|--|-----------------------------------|---|
| 1. State or Federal Regulation/Law | 5. Antidegradation Policy | 9. WET Test Policy |
| 2. Water Quality Standard (includes RPA) | 6. Water Quality Model | 10. Multiple Discharger Variance |
| 3. Water Quality Based Effluent Limits | 7. Best Professional Judgment | 11. Nutrient Criteria Implementation Plan |
| 4. Antidegradation Review | 8. TMDL or Permit in lieu of TMDL | |

Influent Parameters

- **Biochemical Oxygen Demand (BOD₅) and Total Suspended Solids (TSS)**. An influent sample is required to determine the removal efficiency. In accordance with 40 CFR Part 133, removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to BOD₅ and TSS for Publicly Owned Treatment Works (POTWs)/municipals.
- **Total Phosphorus, Total Kjeldahl Nitrogen, Nitrite + Nitrate, and Ammonia**. Influent monitoring for Total Phosphorus, Total Kjeldahl Nitrogen, Nitrite + Nitrate, and Ammonia required per 10 CSR 20-7.015(9)(D)8.

Sampling Frequency Justification: The sampling and reporting frequencies for Total Phosphorus and Total Kjeldahl Nitrogen, Nitrite + Nitrate, and Ammonia parameters were established to match the required sampling frequency of these parameters in the effluent, per [10 CSR 20-7.015(9)(D)8.]. The sampling and reporting frequencies for influent BOD₅ has been established to match the required sampling frequency of these parameters in the effluent. The sampling and reporting frequencies for influent TSS has been established to match the required sampling frequency of 10 CSR 20-9.010.

Sampling Type Justification: Sample types for influent parameters were established to match the required sampling type of these parameters in the effluent. Samples should be analyzed as soon as possible after collection and/or properly preserved according to method requirements.

OUTFALL #001 – GENERAL CRITERIA CONSIDERATIONS:

In accordance with 40 CFR 122.44(d)(1), effluent limitations shall be placed into the permit for those pollutants which have been determined to cause, have the reasonable potential to cause, or contribute to an excursion above any State water quality standard, including State narrative criteria for water quality. The rule further states that pollutants which have been determined to cause, have the reasonable potential to cause, or contribute to an excursion above a narrative criterion within an applicable State water quality standard, the permit shall contain a numeric effluent limitation to protect that narrative criterion. In order to comply with this regulation, the permit writer will complete reasonable potential determinations on whether the discharge will violate any of the general criteria listed in 10 CSR 20-7.031(4). These specific requirements are listed below followed by derivation and discussion (the lettering matches that of the rule itself, under 10 CSR 20-7.031(4)). It should also be noted that Section 644.076.1, RSMo as well as Section D – Administrative Requirements of Standard Conditions Part I of this permit states that it shall be unlawful for any person to cause or permit any discharge of water contaminants from any water contaminant or point source located in Missouri that is in violation of sections 644.006 to 644.141 of the Missouri Clean Water Law or any standard, rule or regulation promulgated by the commission.

- (A) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses. The discharge from this facility is made up of treated domestic wastewater. Based upon review of the Report of Compliance Inspection for the inspection conducted on November 12 – 15, 2013,

no evidence of an excursion of this criterion has been observed by the Department in the past and the facility has not disclosed any other information related to the characteristics of the discharge on their permit application which has the potential to cause or contribute to an excursion of this narrative criterion. Additionally, this facility utilizes secondary treatment technology and is currently in compliance with secondary treatment technology based effluent limits established in 40 CFR 133 and there has been no indication to the Department that the stream has had issues maintaining beneficial uses as a result of this discharge. Based on the information reviewed during the drafting of this permit, these final effluent limitations appear to have protected against the excursion of this criterion in the past. Therefore, the discharge does not have the reasonable potential to cause or contribute to an excursion of this criterion.

- (B) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses. Please see (A) above as justification is the same.
- (C) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses. Please see (A) above as justification is the same.
- (D) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life. This permit contains final effluent limitations which are protective of both acute and chronic toxicity for various pollutants that are either expected to be discharged by domestic wastewater facilities or that were disclosed by this facility on the application for permit coverage. Based on the information reviewed during the drafting of this permit, it has been determined if the facility meets final effluent limitations established in this permit, there is no reasonable potential for the discharge to cause an excursion of this criterion.
- (E) Waters shall provide for the attainment and maintenance of water quality standards downstream including waters of another state. Please see (D) above as justification is the same.
- (F) There shall be no significant human health hazard from incidental contact with the water. Please see (D) above as justification is the same.
- (G) There shall be no acute toxicity to livestock or wildlife watering. Please see (D) above as justification is the same.
- (H) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community. Please see (A) above as justification is the same.
- (I) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247. The discharge from this facility is made up of treated domestic wastewater. No evidence of an excursion of this criterion has been observed by the Department in the past and the facility has not disclosed any other information related to the characteristics of the discharge on their permit application which has the potential to cause or contribute to an excursion of this narrative criterion. Additionally, any solid wastes received or produced at this facility are wholly contained in appropriate storage facilities, are not discharged, and are disposed of offsite. This discharge is subject to Standard Conditions Part III, which contains requirements for the management and disposal of sludge to prevent its discharge. Therefore, this discharge does not have reasonable potential to cause or contribute to an excursion of this criterion.

Part III – Rationale and Derivation of Effluent Limitations & Permit Conditions

ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:

As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream, and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

- ✓ The facility does not discharge to a Losing Stream as defined by [10 CSR 20-2.010(40)] & [10 CSR 20-7.031(1)(O)], or is an existing facility.

ANTI-BACKSLIDING:

A provision in the Federal Regulations [CWA §303(d)(4); CWA §402(o); 40 CFR Part 122.44(l)] that requires a reissued permit to be as stringent as the previous permit with some exceptions.

- ✓ Limitations in this operating permit for the reissuance of this permit conform to the anti-backsliding provisions of Section 402(o) of the Clean Water Act, and 40 CFR Part 122.44.
 - Information is available which was not available at the time of permit issuance (other than revised regulations, guidance, or test methods) and which would have justified the application of a less stringent effluent limitation at the time of permit issuance.
 - **Ammonia as N.** The reasonable potential analysis determined that Ammonia in this facility's discharge is unlikely to exceed water quality standards for Ammonia. The monitoring requirements are still protective of water quality and this determination will be reassessed at the time of renewal.

- **Oil and Grease.** The previous permit had final effluent limits of 15 mg/L as a daily maximum and 10 mg/L as a monthly average. During the drafting of this permit, the permit writer reviewed DMR data submitted by the permittee. Additionally, no evidence of an excursion of the water quality standard has been observed by the department in the past and the facility has not disclosed any other information related to the characteristics of the discharge on their permit application which has the potential to cause or contribute to an excursion of the water quality standard. As a result, monitoring requirements have been included in this permit to determine if the discharge has the reasonable potential to cause or contribute to an excursion of the water quality standard. Data will be reviewed at renewal to reassess this determination. The permit is still protective of water quality.
 - **Total Residual Chlorine (TRC).** Effluent limitations were re-calculated for TRC based on new information derived from discharge monitoring reports and on the current Missouri Water Quality Standards for TRC. The newly established limitations are still protective of water quality.
 - **pH.** The previous permit contained final effluent limits of 6.5-9.0 SU. During the drafting of this permit, the permit writer made a reasonable potential determination based on the assimilative capacity of the receiving stream that the discharge will not cause or contribute to an excursion of the water quality standard for pH instream. As a result, final effluent limits of 6.0-9.0 SU as required by 10 CSR 20-7.015 are substituted for the pH water quality criteria of 6.5-9.0 SU. The permit remains protective of water quality and this determination will be reevaluated during the next permit renewal.
 - **Total Toxic Organics (TTO).** The previous permit contained a once per permit cycle sampling and reporting frequency. This permit removes TTO. Monitoring for TTOs was established for certain Categorical Industrial Users discharging to POTWs, including but not limited to, Metal Finishing (40 CFR 433). A review of the TTO results shows compliance in accordance with 40 CFR 413.14(f). Due to consistency in compliance, the monitoring requirement for TTOs was removed. Toxicity in the effluent will be sampled for with the Acute and Chronic WET tests. The permit is still protective of water quality and this determination will be reassessed at the time of renewal.
- o The Department determines that technical mistakes or mistaken interpretations of law were made in issuing the permit under section 402(a)(1)(b).
- **General Criteria.** The previous permit contained a special condition which described a specific set of prohibitions related to general criteria found in 10 CSR 20-7.031(4). In order to comply with 40 CFR 122.44(d)(1), the permit writer has conducted reasonable potential determinations for each general criterion and established numeric effluent limitations where reasonable potential exists. While the removal of the previous permit special condition creates the appearance of backsliding, since this permit establishes numeric limitations where reasonable potential to cause or contribute to an excursion of the general criteria exists the permit maintains sufficient effluent limitations and monitoring requirements in order to protect water quality, this permit is equally protective as compared to the previous permit. Therefore, given this new information, and the fact that the previous permit special condition was not consistent with 40 CFR 122.44(d)(1), an error occurred in the establishment of the general criteria as a special condition of the previous permit. Please see Part VI – Effluent Limits Determination for more information regarding the reasonable potential determinations for each general criterion related to this facility.
 - **Chlordane.** The previous permit contained a once per permit cycle sampling and reporting frequency. This parameter was included in the previous permit incorrectly and cited the TMDL as to why the Chlordane was included, however, the TMDL discusses that there are no Missouri facilities which discharge either directly to the Missouri River, or a tributary to, that have a potential to discharge detectable amounts of chlordane. Therefore, the KC Birmingham WWTP is not considered a source of the pollutant of concern and Chlordane has been removed from the permit.

ANTIDEGRADATION:

In accordance with Missouri's Water Quality Standard [10 CSR 20-7.031(3)], for domestic wastewater discharge with new, altered, or expanding discharges, the Department is to document by means of Antidegradation Review that the use of a water body's available assimilative capacity is justified. In accordance with Missouri's water quality regulations for antidegradation [10 CSR 20-7.031(3)], degradation may be justified by documenting the socio-economic importance of a discharge after determining the necessity of the discharge. Facilities must submit the antidegradation review request to the Department prior to establishing, altering, or expanding discharges. See <http://dnr.mo.gov/env/wpp/permits/antideg-implementation.htm>

- ✓ No degradation proposed and no further review necessary. Facility did not apply for authorization to increase pollutant loading or to add additional pollutants to their discharge.

For stormwater discharges, the stormwater BMP chosen for the facility, through the antidegradation analysis performed by the facility, must be implemented and maintained at the facility. Failure to implement and maintain the chosen BMP alternative is a permit violation; see SWPPP.

- ✓ The facility must review and maintain stormwater BMPs as appropriate.

AREA-WIDE WASTE TREATMENT MANAGEMENT & CONTINUING AUTHORITY:

As per [10 CSR 20-6.010(2)(C)], ...An applicant may utilize a lower preference continuing authority by submitting, as part of the application, when a higher level authority is available, must submit information to the Department for review and approval, provided it does not conflict with any area-wide management plan approved under section 208 of the Federal Clean Water Act or any other regional sewage service and treatment plan approved for higher preference authority by the Department.

BIOSOLIDS & SEWAGE SLUDGE:

Biosolids are solid materials resulting from domestic wastewater treatment that meet federal and state criteria for beneficial uses (i.e. fertilizer). Sewage sludge is solids, semi-solids, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works.

- ✓ Permittee is authorized to land apply biosolids in accordance with Standard Conditions III.

COMPLIANCE AND ENFORCEMENT:

Enforcement is the action taken by the Water Protection Program (WPP) to bring an entity into compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and conditions of an operating permit. The primary purpose of the enforcement activity in the WPP is to resolve violations and return the entity to compliance.

Facility Performance History:

- ✓ The facility is not currently under Water Protection Program enforcement action. This facility was last inspected on November 12 – 15, 2013. The inspection showed the following unsatisfactory features: failure to collect Oil & Grease per an approved procedure, exceeded BOD, TSS, and Fecal Coliform in multiple months of 2012 and 2013, and failure to meet special conditions 8 and 9 of the permit.

ELECTRONIC DISCHARGE MONITORING REPORT (EDMR) SUBMISSION SYSTEM:

The U.S. Environmental Protection Agency (EPA) promulgated a final rule on October 22, 2015, to modernize Clean Water Act reporting for municipalities, industries, and other facilities by converting to an electronic data reporting system. This final rule requires regulated entities and state and federal regulators to use information technology to electronically report data required by the National Pollutant Discharge Elimination System (NPDES) permit program instead of filing paper reports. To comply with the federal rule, the Department is requiring all permittees to begin submitting discharge monitoring data and reports online. In an effort to aid facilities in the reporting of applicable information electronically, the Department has created several new forms including operational control monitoring forms and an I&I location and reduction form. These forms are optional and found on the Department's website at the following locations:

Operational Monitoring Lagoon: <http://dnr.mo.gov/forms/780-2801-f.pdf>

Operational Monitoring Mechanical: <http://dnr.mo.gov/forms/780-2800-f.pdf>

I&I Report: <http://dnr.mo.gov/forms/780-2690-f.pdf>

Per 40 CFR 127.15 and 127.24, permitted facilities may request a temporary waiver for up to 5 years or a permanent waiver from electronic reporting from the Department. To obtain an electronic reporting waiver, a permittee must first submit an eDMR Waiver Request Form: <http://dnr.mo.gov/forms/780-2692-f.pdf>. Each facility must make a request. If a single entity owns or operates more than one facility, then the entity must submit a separate request for each facility based on its specific circumstances. An approved waiver is non-transferable.

The Department must review and notify the facility within 120 calendar days of receipt if the waiver request has been approved or rejected [40 CFR 124.27(a)]. During the Department review period as well as after a waiver is granted, the facility must continue submitting a hard-copy of any reports required by their permit. The Department will enter data submitted in hard-copy from those facilities allowed to do so and electronically submit the data to the EPA on behalf of the facility.

- ✓ The permittee/facility is currently using the eDMR data reporting system.

NUMERIC LAKE NUTRIENT CRITERIA

- ✓ This facility does not discharge into a lake watershed where numeric lake nutrient criteria are applicable.

OPERATOR CERTIFICATION REQUIREMENTS

As per [10 CSR 20-6.010(8) Terms and Conditions of a Permit], the permittee shall operate and maintain facilities to comply with the Missouri Clean Water Law and applicable permit conditions and regulations. Operators at regulated wastewater treatment facilities shall be certified in accordance with [10 CSR 20-9.020(2)] and any other applicable state law or regulation. As per [10 CSR 20-9.020(2)(A)], requirements for operation by certified personnel shall apply to all wastewater treatment systems with population equivalents greater than 200 and are owned or operated by or for municipalities, public sewer districts, counties, public water supply districts, private sewer companies regulated by the Public Service Commission and state or federal agencies.

- ✓ This facility is required to have a certified operator as it has a population equivalent greater than 200 and is owned or operated by or for a municipality, public sewer district, county, public water supply district, private sewer company regulated by the PSC, state or federal agency.

This facility currently requires a chief operator with an (A) Certification Level. Please see **Appendix - Classification Worksheet**. Modifications made to the wastewater treatment facility may cause the classification to be modified.

Operator's Name: Brent R. Herring
Certification Number: 15178
Certification Level: WW-A

The listing of the operator above only signifies that staff drafting this operating permit have reviewed appropriate Department records and determined that the name listed on the operating permit application has the correct and applicable Certification Level.

OPERATIONAL CONTROL TESTING

Missouri Clean Water Commission regulation 10 CSR 20-9.010 requires certain publicly owned treatment works and privately owned facilities regulated by the Public Service Commission to conduct internal operational control monitoring to further ensure proper operation of the facility and to be a safeguard or early warning for potential plant upsets that could affect effluent quality. This requirement is only applicable if the publicly owned treatment works and privately owned facilities regulated by the Public Service Commission has a Population Equivalent greater than two hundred (200).

10 CSR 20-9.010(3) allows the Department to modify the monitoring frequency required in the rule based upon the Department's judgement of monitoring needs for process control at the specified facility.

- ✓ As per [10 CSR 20-9.010(4)], the facility is required to conduct operational monitoring. These operational monitoring reports are to be submitted to the Department along with the MSOP discharge monitoring reports.
- The facility is a mechanical plant and the Department has approved alternative monitoring frequencies to the Operational Monitoring testing requirements in 10 CSR 20-9.010(5)(B) for the facility. The facility is required to conduct operational control monitoring as follows:

Operational Monitoring Parameter	Frequency
Precipitation	Daily (M-F)
Flow – Influent or Effluent	Daily (M-F)
pH – Influent	Daily (M-F)
Temperature (Aeration basin)	Daily (M-F)
TSS – Influent	Weekly
TSS – Mixed Liquor	Weekly
Settleability – Mixed Liquor	Daily (M-F)
Dissolved Oxygen – Mixed Liquor	Daily (M-F)
Total Residual Chlorine	Weekly

§ The facility is approved for the following modified monitoring frequency:

- Total Residual Chlorine analyses of the effluent shall be performed weekly during the recreational season per Note 2 on Page 4 of the permit, in accordance with the measurement frequency outlined in Table A-1 on Page 3 of the permit.

PRETREATMENT PROGRAM:

The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a Publicly Owned Treatment Works [40 CFR Part 403.3(q)].

Pretreatment programs are required at any POTW (or combination of POTW operated by the same authority) and/or municipality with a total design flow greater than 5.0 MGD and receiving industrial wastes that interfere with or pass through the treatment works or are otherwise subject to the pretreatment standards. Pretreatment programs can also be required at POTWs/municipals with a design flow less than 5.0 MGD if needed to prevent interference with operations or pass through.

Several special conditions pertaining to the permittee's pretreatment program may be included in the permit, and are as follows:

- Implementation and enforcement of the program,
 - Annual pretreatment report submittal,
 - Submittal of list of industrial users,
 - Technical evaluation of need to establish local limitations, and
 - Submittal of the results of the evaluation
- ✓ This permittee has an approved pretreatment program in accordance with the requirements of [40 CFR Part 403] and [10 CSR 20-6.100] and is expected to implement and enforce its approved program.

REASONABLE POTENTIAL ANALYSIS (RPA):

Federal regulation [40 CFR Part 122.44(d)(1)(i)] requires effluent limitations for all pollutants that are or may be discharged at a level that will cause or have the reasonable potential to cause or contribute to an in-stream excursion above narrative or numeric water quality standard.

In accordance with [40 CFR Part 122.44(d)(1)(iii)] if the permit writer determines that any given pollutant has the reasonable potential to cause, or contribute to an in-stream excursion above the WQS, the permit must contain effluent limits for that pollutant.

- ✓ An RPA was conducted on appropriate parameters. Please see **APPENDIX – RPA RESULTS**.

REMOVAL EFFICIENCY:

Removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to Biochemical Oxygen Demand 5-day (BOD₅) and Total Suspended Solids (TSS) for Publicly Owned Treatment Works (POTWs)/municipals.

- ✓ Secondary Treatment is 85% removal [40 CFR Part 133.102(a)(3) & (b)(3)].

SANITARY SEWER OVERFLOWS (SSO) AND INFLOW AND INFILTRATION (I&I):

Sanitary Sewer Overflows (SSOs) are defined as untreated sewage releases and are considered bypassing under state regulation [10 CSR 20-2.010(12)] and should not be confused with the federal definition of bypass. SSOs result from a variety of causes including blockages, line breaks, and sewer defects that can either allow wastewater to backup within the collection system during dry weather conditions or allow excess stormwater and groundwater to enter and overload the collection system during wet weather conditions. SSOs can also result from lapses in sewer system operation and maintenance, inadequate sewer design and construction, power failures, and vandalism. SSOs include overflows out of manholes, cleanouts, broken pipes, and other into waters of the state and onto city streets, sidewalks, and other terrestrial locations.

Inflow and Infiltration (I&I) is defined as unwanted intrusion of stormwater or groundwater into a collection system. This can occur from points of direct connection such as sump pumps, roof drain downspouts, foundation drains, and storm drain cross-connections or through cracks, holes, joint failures, faulty line connections, damaged manholes, and other openings in the collection system itself. I&I results from a variety of causes including line breaks, improperly sealed connections, cracks caused by soil erosion/settling, penetration of vegetative roots, and other sewer defects. In addition, excess stormwater and groundwater entering the collection system from line breaks and sewer defects have the potential to negatively impact the treatment facility.

Missouri RSMo §644.026.1.(13) mandates that the Department issue permits for discharges of water contaminants into the waters of this state, and also for the operation of sewer systems. Such permit conditions shall ensure compliance with all requirements as established by sections 644.006 to 644.141. Standard Conditions Part I, referenced in the permit, contains provisions requiring proper operation and maintenance of all facilities and systems of treatment and control. Missouri RSMo §644.026.1.(15) instructs the Department to require proper maintenance and operation of treatment facilities and sewer systems and proper disposal of residual waste from all such facilities. To ensure that public health and the environment are protected, any noncompliance which may endanger public health or the environment must be reported to the Department within 24 hours of the time the permittee becomes aware of the noncompliance. Standard Conditions Part I, referenced in the permit, contains the reporting requirements for the permittee when bypasses and upsets occur.

- ✓ The permittee has developed and is currently implementing a program for maintenance and repair of the collection system. The permittee shall continue to submit annual reports by March 31st as required by the federal consent decree entered in the matter of United States vs. City of Kansas City, Missouri, No. 4:10-CV-0497.

SCHEDULE OF COMPLIANCE (SOC):

Per 644.051.4 RSMo, a permit may be issued with a Schedule of Compliance (SOC) to provide time for a facility to come into compliance with new state or federal effluent regulations, water quality standards, or other requirements. Such a schedule is not allowed if the facility is already in compliance with the new requirement, or if prohibited by other statute or regulation. A SOC includes an enforceable sequence of interim requirements (actions, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit. *See also* Section 502(17) of the Clean Water Act, and 40 CFR §122.2. For new effluent limitations, the permit may include interim monitoring for the specific parameter to demonstrate the facility is not already in compliance with the new requirement. Per 40 CFR § 122.47(a)(1), 10 CSR 20-7.031(11), and 10 CSR 20-7.015(9), compliance must occur as soon as possible. If the permit provides a schedule for meeting new water quality based effluent limits, a SOC must include an enforceable, final effluent limitation in the permit even if the SOC extends beyond the life of the permit.

A SOC is not allowed:

- For effluent limitations based on technology-based standards established in accordance with federal requirements, if the deadline for compliance established in federal regulations has passed. 40 CFR § 125.3.
- For a newly constructed facility in most cases. Newly constructed facilities must meet applicable effluent limitations when discharge begins, because the facility has installed the appropriate control technology as specified in a permit or antidegradation review. A SOC is allowed for a new water quality based effluent limit that was not included in a previously public noticed permit or antidegradation review, which may occur if a regulation changes during construction.
- To develop a TMDL, UAA, or other study that may result in site-specific criteria or alternative effluent limits. A facility is not prohibited from conducting these activities, but a SOC may not be granted for conducting these activities.

In order to provide guidance to Permit Writers in developing SOC's, and attain a greater level of consistency, on April 9, 2015 the Department issued an updated policy on development of SOC's. This policy provides guidance to Permit Writers on the standard time frames for schedules for common activities, and guidance on factors that may modify the length of the schedule such as a Cost Analysis for Compliance.

✓ This permit does not contain an SOC.

SEWER EXTENSION AUTHORITY SUPERVISED PROGRAM:

In accordance with [10 CSR 20-6.010(6)(A)], the Department may grant approval of a permittee's Sewer Extension Authority Supervised Program. These approved permittees regulate and approve construction of sanitary sewers and pump stations, which are tributary to this wastewater treatment facility. The permittee shall act as the continuing authority for the operation, maintenance, and modernization of the constructed collection system. See <http://dnr.mo.gov/env/wpp/permits/sewer-extension.htm>.

✓ The permittee's Sewer Extension Authority Supervised Program has been reauthorized. Please see **Appendix – Sewer Extension Authority Supervised Program Reauthorization Letter** for applicable conditions.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

In accordance with 40 CFR 122.44(k) *Best Management Practices (BMPs)* to control or abate the discharge of pollutants when: (1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; (2) Authorized under section 402(p) of the CWA for the control of stormwater discharges; (3) Numeric effluent limitations are infeasible; or (4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA.

In accordance with the EPA's *Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators*, (Document number EPA 833-B-09-002) [published by the United States Environmental Protection Agency (USEPA) in June 2015], BMPs are measures or practices used to reduce the amount of pollution entering (regarding this operating permit) waters of the state. BMPs may take the form of a process, activity, or physical structure.

Additionally in accordance with the Stormwater Management, a SWPPP is a series of steps and activities to (1) identify sources of pollution or contamination, and (2) select and carry out actions which prevent or control the pollution of stormwater discharges. The purpose of a SWPPP is to comply with all applicable stormwater regulations by creating an adaptive management plan to control and mitigate stream pollution from stormwater runoff. Developing a SWPPP provides opportunities to employ appropriate BMPs to minimize the risk of pollutants being discharged during storm events. The following paragraph outlines the general steps the permittee should take to determine which BMPs will work to achieve the benchmark values or limits in the permit. This section is not intended to be all encompassing or restrict the use of any physical BMP or operational and maintenance procedure assisting in pollution control. Additional steps or revisions to the SWPPP may be required to meet the requirements of the permit.

Areas which should be included in the SWPPP are identified in 40 CFR 122.26(b)(14). Once the potential sources of stormwater pollution have been identified, a plan should be formulated to best control the amount of pollutant being released and discharged by each activity or source. This should include, but is not limited to, minimizing exposure to stormwater, good housekeeping measures,

proper facility and equipment maintenance, spill prevention and response, vehicle traffic control, and proper materials handling. Once a plan has been developed the facility will employ the control measures determined to be adequate to achieve the benchmark values discussed above. The facility will conduct monitoring and inspections of the BMPs to ensure they are working properly and re-evaluate any BMP not achieving compliance with permitting requirements. For example, if sample results from an outfall show values of TSS above the benchmark value, the BMP being employed is deficient in controlling stormwater pollution. Corrective action should be taken to repair, improve, or replace the failing BMP. This internal evaluation is required at least once per month but should be continued more frequently if BMPs continue to fail. If failures do occur, continue this trial and error process until appropriate BMPs have been established.

For new, altered, or expanded stormwater discharges, the SWPPP shall identify reasonable and effective BMPs while accounting for environmental impacts of varying control methods. The antidegradation analysis must document why no discharge or no exposure options are not feasible. The selection and documentation of appropriate control measures shall serve as an alternative analysis of technology and fulfill the requirements of antidegradation [10 CSR 20-7.031(3)]. For further guidance, consult the antidegradation implementation procedure (<http://dnr.mo.gov/env/wpp/docs/AIP050212.pdf>).

Alternative Analysis (AA) evaluation of the BMPs is a structured evaluation of BMPs that are reasonable and cost effective. The AA evaluation should include practices that are designed to be: 1) non-degrading; 2) less degrading; or 3) degrading water quality. The glossary of AIP defines these three terms. The chosen BMP will be the most reasonable and effective management strategy while ensuring the highest statutory and regulatory requirements are achieved and the highest quality water attainable for the facility is discharged. The AA evaluation must demonstrate why “no discharge” or “no exposure” is not a feasible alternative at the facility. This structured analysis of BMPs serves as the antidegradation review, fulfilling the requirements of 10 CSR 20-7.031(3) Water Quality Standards and *Antidegradation Implementation Procedure* (AIP), Section II.B.

If parameter-specific numeric exceedances continue to occur and the permittee feels there are no practicable or cost-effective BMPs which will sufficiently reduce a pollutant concentration in the discharge to the benchmark values established in the permit, the permittee can submit a request to re-evaluate the benchmark values. This request needs to include 1) a detailed explanation of why the facility is unable to comply with the permit conditions and unable to establish BMPs to achieve the benchmark values; 2) financial data of the company and documentation of cost associated with BMPs for review and 3) the SWPPP, which should contain adequate documentation of BMPs employed, failed BMPs, corrective actions, and all other required information. This will allow the Department to conduct a cost analysis on control measures and actions taken by the facility to determine cost-effectiveness of BMPs. The request shall be submitted in the form of an operating permit modification; the application is found at: <http://dnr.mo.gov/forms/index.html>.

- ✓ 10 CSR 20-6.200 and 40 CFR 122.26(b)(14)(ix) includes treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that is located within the confines of the facility, with a design flow of 1.0 MGD or more, or are required to have an approved pretreatment program under 40 CFR part 403, as an industrial activity in which permit coverage is required. In lieu of requiring sampling in the site-specific permit, the facility is required to develop and implement a Stormwater Pollution Prevention Plan (SWPPP).

A facility can apply for conditional exclusion for “no exposure” of industrial activities and materials to stormwater by submitting a permit modification via Form B2 (<http://dnr.mo.gov/forms/780-1805-f.pdf>) appropriate application filing fees and a completed No Exposure Certification for Exclusion from NPDES Stormwater Permitting under Missouri Clean Water Law (<https://dnr.mo.gov/forms/780-2828-f.pdf>) to the Department’s Water Protection Program, Operating Permits Section. Upon approval of the No Exposure Certification, the permit will be modified and the Special Condition to develop and implement a SWPPP will be removed.

VARIANCE:

As per the Missouri Clean Water Law § 644.061.4, variances shall be granted for such period of time and under such terms and conditions as shall be specified by the commission in its order. The variance may be extended by affirmative action of the commission. In no event shall the variance be granted for a period of time greater than is reasonably necessary for complying with the Missouri Clean Water Law §§644.006 to 644.141 or any standard, rule or regulation promulgated pursuant to Missouri Clean Water Law §§644.006 to 644.141.

- ✓ This operating permit is not drafted under premises of a petition for variance.

WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:

As per [10 CSR 20-2.010(86)], the amount of pollutant each discharger is allowed by the Department to release into a given stream after the Department has determined total amount of pollutant that may be discharged into that stream without endangering its water quality.

- ✓ Wasteload allocations were calculated where applicable using water quality criteria or water quality model results and the dilution equation below:

$$Ce = \frac{(Q_e + Q_s)C - (Q_s \times C_s)}{(Q_e)} \quad (\text{EPA/505/2-90-001, Section 4.5.5})$$

Where C = downstream concentration Ce = effluent concentration
Cs = upstream concentration Qe = effluent flow
Qs = upstream flow

Chronic wasteload allocations were determined using applicable chronic water quality criteria (CCC: criteria continuous concentration) and stream volume of flow at the edge of the mixing zone (MZ). Acute wasteload allocations were determined using applicable water quality criteria (CMC: criteria maximum concentration) and stream volume of flow at the edge of the zone of initial dilution (ZID).

Water quality based maximum daily and average monthly effluent limitations were calculated using methods and procedures outlined in USEPA's "Technical Support Document For Water Quality-based Toxics Control" (EPA/505/2-90-001).

Number of Samples "n":

Additionally, in accordance with the TSD for water quality-based permitting, effluent quality is determined by the underlying distribution of daily values, which is determined by the Long Term Average (LTA) associated with a particular Wasteload Allocation (WLA) and by the Coefficient of Variation (CV) of the effluent concentrations. Increasing or decreasing the monitoring frequency does not affect this underlying distribution or treatment performance, which should be, at a minimum, be targeted to comply with the values dictated by the WLA. Therefore, it is recommended that the actual planned frequency of monitoring normally be used to determine the value of "n" for calculating the AML. However, in situations where monitoring frequency is once per month or less, a higher value for "n" must be assumed for AML derivation purposes. Thus, the statistical procedure being employed using an assumed number of samples is "n = 4" at a minimum. For Total Ammonia as Nitrogen, "n = 30" is used.

WLA MODELING:

There are two general types of effluent limitations, technology-based effluent limits (TBELs) and water quality based effluent limits (WQBELs). If TBELs do not provide adequate protection for the receiving waters, then WQBEL must be used.

- ✓ A WLA study was either not submitted or determined not applicable by Department staff.

WHOLE EFFLUENT TOXICITY (WET) TEST:

A WET test is a quantifiable method of determining if a discharge from a facility may be causing toxicity to aquatic life by itself, in combination with or through synergistic responses when mixed with receiving stream water.

Under the federal Clean Water Act (CWA) §101(a)(3), requiring WET testing is reasonably appropriate for site-specific Missouri State Operating Permits for discharges to waters of the state issued under the National Pollutant Discharge Elimination System (NPDES). WET testing is also required by 40 CFR 122.44(d)(1). WET testing ensures that the provisions in the 10 CSR 20-6.010(8)(A) and the Water Quality Standards 10 CSR 20-7.031(4)(D),(F),(G),(J)2.A & B are being met. Under [10 CSR 20-6.010(8)(B)], the Department may require other terms and conditions that it deems necessary to assure compliance with the Clean Water Act and related regulations of the Missouri Clean Water Commission. In addition the following MCWL apply: §§644.051.3 requires the Department to set permit conditions that comply with the MCWL and CWA; 644.051.4 specifically references toxicity as an item we must consider in writing permits (along with water quality-based effluent limits, pretreatment, etc...); and 644.051.5 is the basic authority to require testing conditions. WET test will be required by facilities meeting the following criteria:

- ☒ Facility is a designated Major.
- ☐ Facility continuously or routinely exceeds its design flow.
- ☐ Facility that exceeds its design population equivalent (PE) for BOD₅ whether or not its design flow is being exceeded.
- ☐ Facility (whether primarily domestic or industrial) that alters its production process throughout the year.
- ☐ Facility handles large quantities of toxic substances, or substances that are toxic in large amounts.
- ☐ Facility has Water Quality-based Effluent Limitations for toxic substances (other than NH₃)
- ☒ Facility is a municipality with a Design Flow ≥ 22,500 gpd.
- ☐ Other – please justify.

- ✓ The permittee is required to conduct WET test for this facility.

40 CFR 122.41(M) - BYPASSES:

The federal Clean Water Act (CWA), Section 402 prohibits wastewater dischargers from “bypassing” untreated or partially treated sewage (wastewater) beyond the headworks. A bypass is defined as an intentional diversion of waste streams from any portion of a treatment facility, [40 CFR 122.41(m)(1)(i)]. Additionally, Missouri regulation 10 CSR 20-7.015(9)(G) states a bypass means the intentional diversion of waste streams from any portion of a treatment facility, except in the case of blending, to waters of the state. Only under exceptional and specified limitations do the federal regulations allow for a facility to bypass some or all of the flow from its treatment process. Bypasses are prohibited by the CWA unless a permittee can meet all of the criteria listed in 40 CFR 122.41(m)(4)(i)(A), (B), & (C). Any bypasses from this facility are subject to the reporting required in 40 CFR 122.41(l)(6) and per Missouri’s Standard Conditions I, Section B, part 2.b. Additionally, Anticipated Bypasses include bypasses from peak flow basins or similar devices designed for peak wet weather flows.

- ✓ This facility does not anticipate bypassing.

Part IV – Cost Analysis for Compliance

Pursuant to Section 644.145, RSMo, when issuing permits under this chapter that incorporate a new requirement for discharges from publicly owned combined or separate sanitary or storm sewer systems or publicly owned treatment works, or when enforcing provisions of this chapter or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., pertaining to any portion of a publicly owned combined or separate sanitary or storm sewer system or [publicly owned] treatment works, the Department of Natural Resources shall make a “finding of affordability” on the costs to be incurred and the impact of any rate changes on ratepayers upon which to base such permits and decisions, to the extent allowable under this chapter and the Federal Water Pollution Control Act. This process is completed through a cost analysis for compliance. Permits that do not include new requirements may be deemed affordable.

- ✓ The Department is required to determine “findings of affordability” because the permit applies to a combined or separate sanitary sewer system for a publicly-owned treatment works. However, the facility chose to waive the finding of affordability requirement; therefore, no Cost Analysis for Compliance was conducted.

Part V – Administrative Requirements

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

WATER QUALITY STANDARD REVISION:

In accordance with section 644.058, RSMo, the Department is required to utilize an evaluation of the environmental and economic impacts of modifications to water quality standards of twenty-five percent or more when making individual site-specific permit decisions.

- ✓ This operating permit does not contain requirements for a water quality standard that has changed twenty-five percent or more since the previous operating permit.

PERMIT SYNCHRONIZATION:

The Department of Natural Resources is currently undergoing a synchronization process for operating permits. Permits are normally issued on a five-year term, but to achieve synchronization many permits will need to be issued for less than the full five years allowed by regulation. The intent is that all permits within a watershed will move through the Watershed Based Management (WBM) cycle together will all expire in the same fiscal year. This will allow further streamlining by placing multiple permits within a smaller geographic area on public notice simultaneously, thereby reducing repeated administrative efforts. This will also allow the Department to explore a watershed based permitting effort at some point in the future. Renewal applications must continue to be submitted within 180 days of expiration, however, in instances where effluent data from the previous renewal is less than 4 years old, that data may be re-submitted to meet the requirements of the renewal application. If the permit provides a schedule of compliance for meeting new water quality based effluent limits beyond the expiration date of the permit, the time remaining in the schedule of compliance will be allotted in the renewed permit.

PUBLIC NOTICE:

The Department shall give public notice that a draft permit has been prepared and its issuance is pending. Additionally, public notice will be issued if a public hearing is to be held because of a significant degree of interest in and water quality concerns related to a draft permit. No public notice is required when a request for a permit modification or termination is denied; however, the requester and permittee must be notified of the denial in writing. The Department must issue public notice of a pending operating permit or of a new or reissued statewide general permit. The public comment period is the length of time not less than 30 days following the date of the public notice which interested persons may submit written comments about the proposed permit. For persons wanting to submit comments regarding this proposed operating permit, then please refer to the Public Notice page located at the front of this draft operating permit. The Public Notice page gives direction on how and where to submit appropriate comments.

- ✓ The Public Notice period for this operating permit was from July 2, 2021 to August 2, 2021. No responses received.

DATE OF FACT SHEET: AUGUST 11, 2021

COMPLETED BY:

BRANT FARRIS, ENVIRONMENTAL SPECIALIST
MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
OPERATING PERMITS SECTION - DOMESTIC WASTEWATER UNIT
(660) 385-8019
brant.farris@dnr.mo.gov

Appendices

APPENDIX - CLASSIFICATION WORKSHEET:

Item	Points Possible	Points Assigned
Maximum Population Equivalent (P.E.) served , peak day	1 pt./10,000 PE or major fraction thereof. (Max 10 pts.)	10
Design Flow (avg. day) or peak month's flow (avg. day) whichever is larger	1 pt. / MGD or major fraction thereof. (Max 10 pts.)	10
Effluent Discharge		
Missouri or Mississippi River	0	0
All other stream discharges except to losing streams and stream reaches supporting whole body contact recreation	1	
Discharge to lake or reservoir outside of designated whole body contact recreational area	2	
Discharge to losing stream, lake or reservoir area supporting whole body contact recreation	3	
Direct reuse or recycle of effluent	6	
Land Application/Irrigation		
Drip Irrigation	3	
Land application/irrigation	5	
Overland flow	4	
Variation in Raw Wastes (highest level only)		
Variations do not exceed those normally or typically expected	0	
Reoccurring deviations or excessive variations of 100 to 200 percent in strength and/or flow	2	(2)†
Reoccurring deviations or excessive variations of more than 200 percent in strength and/or flow	4	
Department-approved pretreatment program	6	6
Preliminary Treatment		
STEP systems (operated by the permittee)	3	
Screening and/or comminution	3	3
Grit removal	3	3
Plant pumping of main flow	3	
Flow equalization	5	
Primary Treatment		
Primary clarifiers	5	5
Chemical addition (except chlorine, enzymes)	4	
Secondary Treatment		
Trickling filter and other fixed film media with or without secondary clarifiers	10	
Activated sludge (including aeration, oxidation ditches, sequencing batch reactors, membrane bioreactors, and contact stabilization)	15	15
Stabilization ponds without aeration	5	
Aerated lagoon	8	
Advanced Lagoon Treatment – Aerobic cells, anaerobic cells, covers, or fixed film	10	
Biological, physical, or chemical	12	
Carbon regeneration	4	
Total from page ONE (1)	----	52

† - does not count towards total as this section counts the highest value only

APPENDIX - CLASSIFICATION WORKSHEET (CONTINUED):

ITEM	POINTS POSSIBLE	POINTS ASSIGNED
Solids Handling		
Sludge Holding	5	5
Anaerobic digestion	10	
Aerobic digestion	6	
Evaporative sludge drying	2	
Mechanical dewatering	8	
Solids reduction (incineration, wet oxidation)	12	
Land application	6	6
Disinfection		
Chlorination or comparable	5	5
On-site generation of disinfectant (except UV light)	5	
Dechlorination	2	2
UV light	4	
Required Laboratory Control Performed by Plant Personnel (highest level only)		
Lab work done outside the plant	0	
Push – button or visual methods for simple test such as pH, settleable solids	3	
Additional procedures such as DO, COD, BOD, titrations, solids, volatile content	5	5
More advanced determinations, such as BOD seeding procedures, fecal coliform, nutrients, total oils, phenols, etc.	7	
Highly sophisticated instrumentation, such as atomic absorption and gas chromatograph	10	
Total from page TWO (2)	----	23
Total from page ONE (1)	---	52
Grand Total	---	75

- ☒ - A: 71 points and greater
☐ - B: 51 points – 70 points
☐ - C: 26 points – 50 points
☐ - D: 0 points – 25 points

APPENDIX – RPA RESULTS:

Parameter	CMC*	RWC Acute*	CCC*	RWC Chronic*	n**	Range max/min	CV***	MF	RP Yes/No
Ammonia as N – January (mg/L)	10.1	3.49	2.4	0.24	107	32.2/6	0.29	1.19	NO
Ammonia as N – February (mg/L)	10.1	4.11	2.4	0.28	101	37.8/6.6	0.29	1.19	NO
Ammonia as N – March (mg/L)	10.1	3.21	2.4	0.22	117	30/6.6	0.29	1.17	NO
Ammonia as N – April (mg/L)	8.4	2.51	1.9	0.18	111	23.7/4.8	0.26	1.16	NO
Ammonia as N – May (mg/L)	10.1	3.55	1.6	0.25	109	30.65/4.5	0.42	1.27	NO
Ammonia as N – June (mg/L)	8.4	3.85	1.0	0.27	111	35/4.8	0.33	1.21	NO
Ammonia as N – July (mg/L)	8.4	3.03	0.8	0.21	113	28.5/5.5	0.27	1.17	NO
Ammonia as N – August (mg/L)	10.1	4.26	1.0	0.29	113	38/2.5	0.38	1.23	NO
Ammonia as N – September (mg/L)	8.4	3.02	1.2	0.21	111	27.7/3.7	0.31	1.19	NO
Ammonia as N – October (mg/L)	8.4	2.83	1.8	0.20	115	25.9/1.6	0.33	1.20	NO
Ammonia as N – November (mg/L)	10.1	3.04	2.4	0.21	103	28.3/3.1	0.27	1.18	NO
Ammonia as N – December (mg/L)	10.1	3.17	2.4	0.22	86	28.6/6.6	0.28	1.22	NO
Aluminum, TR	750	56.9	NA	NA	8	188/19	0.6	3.3294	NO
Arsenic	NA	NA	50	0.016	8	0.77/0.43	0.6	3.3294	NO
Beryllium, TR	NA	NA	4	0.0003	8	0.02/0.02	0.6	1.998	NO
Cadmium, TR	12.92	0.18	1.65	0.01	8	1/0.055	0.6	2.00	NO
Copper, TR	33.43	3.93	20.55	0.28	8	13/1	0.6	3.33	NO
Cyanide	22	0.72	5	0.05	8	3.95/2.5	0.6	2.00	NO
Iron, TR	NA	NA	1000	104.24	8	910/157	0.6	3.33	NO
Lead, TR	264.68	0.19	10.32	0.01	8	0.63/0.18	0.6	3.33	NO
Nickel, TR	NA	NA	100.30	0.62	8	29/8	0.6	3.33	NO
Selenium, TR	NA	NA	5	0.09	8	4.35/1.8	0.6	3.33	NO
Zinc, TR	262.73	16.0416	260.60	1.1396	8	53/14	0.6	3.3294	NO

N/A – Not Applicable

* - Units are (µg/L) unless otherwise noted.

** - If the number of samples is 10 or greater, then the CV value must be used in the WQBEL for the applicable constituent. If the number of samples is < 10, then the default CV value must be used in the WQBEL for the applicable constituent.

*** - Coefficient of Variation (CV) is calculated by dividing the Standard Deviation of the sample set by the Mean of the same sample set.
RWC – Receiving Water Concentration. It is the concentration of a toxicant or the parameter toxicity in the receiving water after mixing (if applicable).

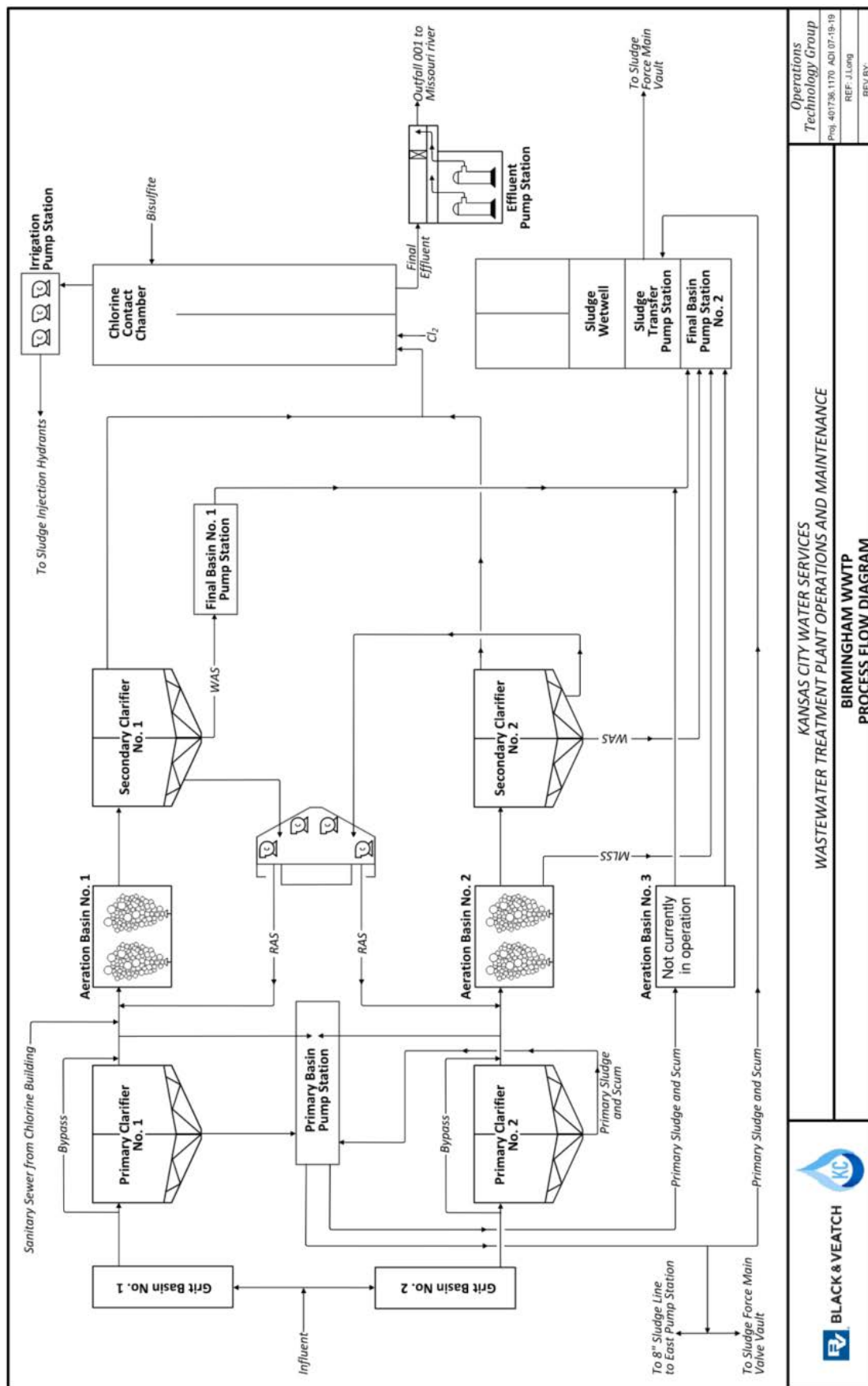
n – Is the number of samples.

MF – Multiplying Factor. 99% Confidence Level and 99% Probability Basis.

RP – Reasonable Potential. It is where an effluent is projected or calculated to cause an excursion above a water quality standard based on a number of factors including, as a minimum, the four factors listed in 40 CFR 122.44(d)(1)(ii).

Reasonable Potential Analysis is conducted as per (TSD, EPA/505/2-90-001, Section 3.3.2). A more detailed version including calculations of this RPA is available upon request.

APPENDIX – ALTERNATIVE: Flow diagram



Appendix – Sewer Extension Authority Supervised Program Reauthorization Letter



Mr. Terry Leeds, Director
Kansas City Water
4800 E. 63rd Street
Kansas City, MO 64130

RE: Kansas City Sewer Extension Authority Program Reauthorization, ACT235,
MO-0024911, Jackson County

Dear Mr. Leeds:

The Missouri Department of Natural Resources' Water Protection Program has reevaluated the Kansas City's Sewer Extension Authority Supervised Program (Program) and approved the reauthorization per 10 CSR 20-6.010(6). This Program delegates administrative responsibility of construction sewer extension permits to the City of Kansas City and reporting requirements are included in the associated Missouri State Operating Permits (MSOP).

The Program shall apply to construction permits for sewer extensions that discharge to the following MSOP(s):

- MO-0024911 [Kansas City- Blue River WWTF, Jackson County]
- MO-0024929 [Kansas City- Westside WWTF, Jackson County]
- MO-0048305 [Kansas City- Rock Branch WWTF, Clay County]
- MO-0048313 [Kansas City- Fishing River WWTF, Clay County]
- MO-0049531 [Kansas City- Birmingham WWTF, Clay County]
- MO-0024961 [Kansas City- Todd Creek WWTF, Platte County]

Kansas City shall act as the continuing authority for the constructed collection system.

This approval is granted until it is reauthorized during the operating permit renewal. Enclosed are the Program conditions, annual reporting requirements, and renewal reauthorization requirements. The Program annual report must be submitted to the Department by April 30 of each year.

This reauthorization does not supersede any requirements of the operating permit or enforcement actions. Nothing in this reauthorization removes any obligations to comply with county or other local ordinances or restrictions.

Mr. Leeds
Page Two

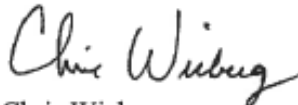
If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 10 CSR 20-1.020 and Section 621.250, RSMo. To appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC. Contact information for the AHC is: Administrative Hearing Commission, United States Post Office Bldg., Third Floor, 131 West High Street, P.O. Box 1557, Jefferson City, MO 65102, Phone: 573-751-2422, Fax: 573-751-5018, and Website: www.oa.mo.gov/ahc.

If you have any questions concerning this matter, please contact Ms. Leasue Meyers, of the Water Protection Program by phone at 573-751-7906, or by email at leasue.meyers@dnr.mo.gov or by mail at Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

WATER PROTECTION PROGRAM



Chris Wieberg
Director

CW:lmt

Enclosure

c: Ms. Sherri Irving, Kansas City Water
Mr. Blake Anderson, PE, Kansas City Water
Ms. Karine Papikian, PE, Kansas City Water
Mr. Brant Farris, Domestic Wastewater Unit
Mr. Scott Honig, Kansas City Regional Office

Kansas City Sewer Extension Authority
Page One

Activity No. ACT235

SEWER EXTENSION AUTHORITY SUPERVISED PROGRAM REAUTHORIZATION

I. CONDITIONS:

1. This approval is limited to sewer extensions proposed within Kansas City Water's boundaries for which the receiving wastewater treatment facility is owned, operated, and maintained by Kansas City.
2. Upon completion of accepted construction, Kansas City will become the continuing authority for the operation, maintenance, and modernization of the sewer extension.
3. Additional requirements may be necessary to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans" when funding from the Department is requested.
4. Any updates to the Kansas City Water's Standard Specifications, signed and sealed on December 3, 2019 will require a subsequent review and approval by the Department.
 - A. This approval is limited to only wastewater components. Other items contained in this standard specification and details such as drinking water, roadways, structural, mechanical, electrical, etc. were not reviewed.
5. This approval may be reopened and modified to comply with any new or amended design regulations in 10 CSR 20-6.010 and 10 CSR 20-8.

II. ANNUAL REPORTS:

Kansas City must submit an annual report by April 30th of each year to the Engineering Section. The electronic submittals may be emailed to DNR.WPPEngineerSection@dnr.mo.gov. The report shall contain the following for each sewer extension, per 10 CSR 20-6.010(6)(D)1:

1. Name of sewer extension;
2. Population or number of lots to be served;
3. Type of wastewater (i.e. domestic or industrial);
4. Design flow in gallons per day;

Kansas City Sewer Extension Authority
Page Two

Activity No. ACT235

5. Length of sewer and force main;
6. Capacity of each pump station, if applicable;
7. The ultimate receiving wastewater treatment facility;
8. Date sewer extension permit is issued;
9. Date sewer extension construction is accepted; and
10. The remaining capacity of each wastewater treatment facility.

III. REAUTHORIZATION REQUEST:

Kansas City must submit a request for reauthorization to the Engineering Section at least 180 days prior to the expiration date of the Kansas City Blue River Wastewater Treatment Facility Operating Permit, MO-0024911. The request shall contain the following, per 10 CSR 20-6.010(6)(E):

1. The current standard technical specifications and typical detail drawings signed, sealed, and dated by a Missouri registered professional engineer.
2. A current layout map, or maps, of the collection system or electronic demonstration. The map(s) shall show sewer sizes and lengths, manholes, cleanouts, pump stations, force mains, air release valves, other sewer appurtenances as necessary, and street names.
3. A list and current number of Missouri registered professional engineers and other qualified staff reviewing plans, issuing sewer extension permits, preparing reports, inspecting construction, and enforcing local and state requirements under the Program.
4. A written statement from Kansas City ensuring that permanent plans of all permitted and constructed sewer extensions records are maintained.

Leasue Meyers, EI
Engineering Section
leasue.meyers@dnr.mo.gov



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

These Standard Conditions incorporate permit conditions as required by 40 CFR 122.41 or other applicable state statutes or regulations. These minimum conditions apply unless superseded by requirements specified in the permit.

Part I – General Conditions

Section A – Sampling, Monitoring, and Recording

1. **Sampling Requirements.**
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. All samples shall be taken at the outfall(s) or Missouri Department of Natural Resources (Department) approved sampling location(s), and unless specified, before the effluent joins or is diluted by any other body of water or substance.
2. **Monitoring Requirements.**
 - a. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The individual(s) who performed the analyses;
 - v. The analytical techniques or methods used; and
 - vi. The results of such analyses.
 - b. If the permittee monitors any pollutant more frequently than required by the permit at the location specified in the permit using test procedures approved under 40 CFR Part 136, or another method required for an industry-specific waste stream under 40 CFR subchapters N or O, the results of such monitoring shall be included in the calculation and reported to the Department with the discharge monitoring report data (DMR) submitted to the Department pursuant to Section B, paragraph 7.
3. **Sample and Monitoring Calculations.** Calculations for all sample and monitoring results which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.
4. **Test Procedures.** The analytical and sampling methods used shall conform to the reference methods listed in 10 CSR 20-7.015 unless alternates are approved by the Department. The facility shall use sufficiently sensitive analytical methods for detecting, identifying, and measuring the concentrations of pollutants. The facility shall ensure that the selected methods are able to quantify the presence of pollutants in a given discharge at concentrations that are low enough to determine compliance with Water Quality Standards in 10 CSR 20-7.031 or effluent limitations unless provisions in the permit allow for other alternatives. A method is “sufficiently sensitive” when; 1) the method minimum level is at or below the level of the applicable water quality criterion for the pollutant or, 2) the method minimum level is above the applicable water quality criterion, but the amount of pollutant in a facility’s discharge is high enough that the method detects and quantifies the level of pollutant in the discharge, or 3) the method has the lowest minimum level of the analytical methods approved under 10 CSR 20-7.015. These methods are also required for parameters that are listed as monitoring only, as the data collected may be used to determine if limitations need to be established. A permittee is responsible for working with their contractors to ensure that the analysis performed is sufficiently sensitive.
5. **Record Retention.** Except for records of monitoring information required by the permit related to the permittee’s sewage sludge use and disposal activities, which shall be retained for a period of at least five (5) years (or longer as required by 40 CFR part 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

6. **Illegal Activities.**
 - a. The Federal Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two (2) years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four (4) years, or both.
 - b. The Missouri Clean Water Law provides that any person or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than six (6) months, or by both. Second and successive convictions for violation under this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.

Section B – Reporting Requirements

1. **Planned Changes.**
 - a. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42;
 - iii. The alteration or addition results in a significant change in the permittee’s sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;
 - iv. Any facility expansions, production increases, or process modifications which will result in a new or substantially different discharge or sludge characteristics must be reported to the Department 60 days before the facility or process modification begins. Notification may be accomplished by application for a new permit. If the discharge does not violate effluent limitations specified in the permit, the facility is to submit a notice to the Department of the changed discharge at least 30 days before such changes. The Department may require a construction permit and/or permit modification as a result of the proposed changes at the facility.
2. **Non-compliance Reporting.**
 - a. The permittee shall report any noncompliance which may endanger health or the environment. Relevant information shall be provided orally or via the current electronic method approved by the Department, within 24 hours from the time the permittee becomes aware of the circumstances, and shall be reported to the appropriate Regional Office during normal business hours or the Environmental Emergency Response hotline at 573-634-2436 outside of normal business hours. A written submission shall also be provided within five (5) business days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

- b. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - i. Any unanticipated bypass which exceeds any effluent limitation in the permit.
 - ii. Any upset which exceeds any effluent limitation in the permit.
 - iii. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit required to be reported within 24 hours.
 - c. The Department may waive the written report on a case-by-case basis for reports under paragraph 2. b. of this section if the oral report has been received within 24 hours.
3. **Anticipated Noncompliance.** The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The notice shall be submitted to the Department 60 days prior to such changes or activity.
 4. **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date. The report shall provide an explanation for the instance of noncompliance and a proposed schedule or anticipated date, for achieving compliance with the compliance schedule requirement.
 5. **Other Noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs 2, 3, and 6 of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph 2. a. of this section.
 6. **Other Information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information.
 7. **Discharge Monitoring Reports.**
 - a. Monitoring results shall be reported at the intervals specified in the permit.
 - b. Monitoring results must be reported to the Department via the current method approved by the Department, unless the permittee has been granted a waiver from using the method. If the permittee has been granted a waiver, the permittee must use forms provided by the Department.
 - c. Monitoring results shall be reported to the Department no later than the 28th day of the month following the end of the reporting period.
- b. Notice.
 - i. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.
 - ii. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Section B – Reporting Requirements, paragraph 5 (24-hour notice).
 - c. Prohibition of bypass.
 - i. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:
 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 3. The permittee submitted notices as required under paragraph 2. b. of this section.
 - ii. The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three (3) conditions listed above in paragraph 2. c. i. of this section.
3. **Upset Requirements.**
 - a. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph 3. b. of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
 - b. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - i. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated; and
 - iii. The permittee submitted notice of the upset as required in Section B – Reporting Requirements, paragraph 2. b. ii. (24-hour notice).
 - iv. The permittee complied with any remedial measures required under Section D – Administrative Requirements, paragraph 4.
 - c. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

Section C – Bypass/Upset Requirements

1. **Definitions.**
 - a. *Bypass*: the intentional diversion of waste streams from any portion of a treatment facility, except in the case of blending.
 - b. *Severe Property Damage*: substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
 - c. *Upset*: an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
2. **Bypass Requirements.**
 - a. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2. b. and 2. c. of this section.

Section D – Administrative Requirements

1. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Missouri Clean Water Law and Federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.
 - a. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
 - b. The Federal Clean Water Act provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The Federal Clean Water Act provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

- imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than one (1) year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than two (2) years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than three (3) years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than six (6) years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.
- c. Any person may be assessed an administrative penalty by the EPA Director for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.
- d. It is unlawful for any person to cause or permit any discharge of water contaminants from any water contaminant or point source located in Missouri in violation of sections 644.006 to 644.141 of the Missouri Clean Water Law, or any standard, rule or regulation promulgated by the commission. In the event the commission or the director determines that any provision of sections 644.006 to 644.141 of the Missouri Clean Water Law or standard, rules, limitations or regulations promulgated pursuant thereto, or permits issued by, or any final abatement order, other order, or determination made by the commission or the director, or any filing requirement pursuant to sections 644.006 to 644.141 of the Missouri Clean Water Law or any other provision which this state is required to enforce pursuant to any federal water pollution control act, is being, was, or is in imminent danger of being violated, the commission or director may cause to have instituted a civil action in any court of competent jurisdiction for the injunctive relief to prevent any such violation or further violation or for the assessment of a penalty not to exceed \$10,000 per day for each day, or part thereof, the violation occurred and continues to occur, or both, as the court deems proper. Any person who willfully or negligently commits any violation in this paragraph shall, upon conviction, be punished by a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Second and successive convictions for violation of the same provision of this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.
2. **Duty to Reapply.**
- a. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.
- b. A permittee with a currently effective site-specific permit shall submit an application for renewal at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Department. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
- c. A permittee with currently effective general permit shall submit an application for renewal at least 30 days before the existing permit expires, unless the permittee has been notified by the Department that an earlier application must be made. The Department may grant permission for a later submission date. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
3. **Need to Halt or Reduce Activity Not a Defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
5. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
6. **Permit Actions.**
- a. Subject to compliance with statutory requirements of the Law and Regulations and applicable Court Order, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
- i. Violations of any terms or conditions of this permit or the law;
- ii. Having obtained this permit by misrepresentation or failure to disclose fully any relevant facts;
- iii. A change in any circumstances or conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- iv. Any reason set forth in the Law or Regulations.
- b. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
7. **Permit Transfer.**
- a. Subject to 10 CSR 20-6.010, an operating permit may be transferred upon submission to the Department of an application to transfer signed by the existing owner and the new owner, unless prohibited by the terms of the permit. Until such time the permit is officially transferred, the original permittee remains responsible for complying with the terms and conditions of the existing permit.
- b. The Department may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Missouri Clean Water Law or the Federal Clean Water Act.
- c. The Department, within 30 days of receipt of the application, shall notify the new permittee of its intent to revoke or reissue or transfer the permit.
8. **Toxic Pollutants.** The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the Federal Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
9. **Property Rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

10. **Duty to Provide Information.** The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.
11. **Inspection and Entry.** The permittee shall allow the Department, or an authorized representative (including an authorized contractor acting as a representative of the Department), upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Federal Clean Water Act or Missouri Clean Water Law, any substances or parameters at any location.
12. **Closure of Treatment Facilities.**
 - a. Persons who cease operation or plan to cease operation of waste, wastewater, and sludge handling and treatment facilities shall close the facilities in accordance with a closure plan approved by the Department.
 - b. Operating Permits under 10 CSR 20-6.010 or under 10 CSR 20-6.015 are required until all waste, wastewater, and sludges have been disposed of in accordance with the closure plan approved by the Department and any disturbed areas have been properly stabilized. Disturbed areas will be considered stabilized when perennial vegetation, pavement, or structures using permanent materials cover all areas that have been disturbed. Vegetative cover, if used, shall be at least 70% plant density over 100% of the disturbed area.
13. **Signatory Requirement.**
 - a. All permit applications, reports required by the permit, or information requested by the Department shall be signed and certified. (See 40 CFR 122.22 and 10 CSR 20-6.010)
 - b. The Federal Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six (6) months per violation, or by both.
 - c. The Missouri Clean Water Law provides that any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than ten thousand dollars, or by imprisonment for not more than six months, or by both.
14. **Severability.** The provisions of the permit are severable, and if any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
MAY 1, 2013

PART II - SPECIAL CONDITIONS – PUBLICLY OWNED
TREATMENT WORKS
SECTION A – INDUSTRIAL USERS

1. Definitions

Definitions as set forth in the Missouri Clean Water Laws and approved by the Missouri Clean Water Commission shall apply to terms used herein.

Significant Industrial User (SIU). Except as provided in the *General Pretreatment Regulation* 10 CSR 20-6.100, the term Significant Industrial User means:

1. All Industrial Users subject to Categorical Pretreatment Standards; and
2. Any other Industrial User that: discharges an average of 25,000 gallons per day or more of process wastewater to the Publicly-Owned Treatment Works (POTW) (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the Control Authority on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's or for violating any Pretreatment Standard or requirement.

Clean Water Act (CWA) is the the federal Clean Water Act of 1972, 33 U.S.C. § 1251 et seq. (2002).

2. Identification of Industrial Discharges

Pursuant to 40 CFR 122.44(j)(1), all POTWs shall identify, in terms of character and volume of pollutants, any Significant Industrial Users discharging to the POTW subject to Pretreatment Standards under section 307(b) of the CWA and 40 CFR 403.

3. Application Information

Applications for renewal or modification of this permit must contain the information about industrial discharges to the POTW pursuant to 40 CFR 122.21(j)(6)

4. Notice to the Department

Pursuant to 40 CFR 122.42(b), all POTWs must provide adequate notice of the following:

1. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging these pollutants; and
2. Any substantial change into the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
3. For purposes of this paragraph, adequate notice shall include information on:
 - i. the quality and quantity of effluent introduced into the POTW, and
 - ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

For POTWs without an approved pretreatment program, the notice of industrial discharges which was not included in the permit application shall be made as soon as practicable. For POTWs with an approved pretreatment program, notice is to be included in the annual pretreatment report required in the special conditions of this permit. Notice may be sent to:

Missouri Department of Natural Resources
Water Protection Program
Attn: Pretreatment Coordinator
P.O. Box 176
Jefferson City, MO 65102

STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
August 1, 2019

PART III – BIOSOLIDS AND SLUDGE FROM DOMESTIC TREATMENT FACILITIES

SECTION A – GENERAL REQUIREMENTS

1. PART III Standard Conditions pertain to biosolids and sludge requirements under the Missouri Clean Water Law and regulations for domestic and municipal wastewater and also incorporates federal sludge disposal requirements under 40 CFR Part 503 for domestic wastewater. The Environmental Protection Agency (EPA) has principal authority for permitting and enforcement of the federal sludge regulations under 40 CFR Part 503 for domestic biosolids and sludge.
2. PART III Standard Conditions apply only to biosolids and sludge generated at domestic wastewater treatment facilities, including public owned treatment works (POTW) and privately owned facilities.
3. Biosolids and Sludge Use and Disposal Practices:
 - a. The permittee is authorized to operate the biosolids and sludge generating, treatment, storage, use, and disposal facilities listed in the facility description of this permit.
 - b. The permittee shall not exceed the design sludge/biosolids volume listed in the facility description and shall not use biosolids or sludge disposal methods that are not listed in the facility description, without prior approval of the permitting authority.
 - c. For facilities operating under general operating permits that incorporate Standard Conditions PART III, the facility is authorized to operate the biosolids and sludge generating, treatment, storage, use and disposal facilities identified in the original operating permit application, subsequent renewal applications or subsequent written approval by the department.
4. Biosolids or Sludge Received from other Facilities:
 - a. Permittees may accept domestic wastewater biosolids or sludge from other facilities as long as the permittee's design sludge capacity is not exceeded and the treatment facility performance is not impaired.
 - b. The permittee shall obtain a signed statement from the biosolids or sludge generator or hauler that certifies the type and source of the sludge
5. Nothing in this permit precludes the initiation of legal action under local laws, except to the extent local laws are preempted by state law.
6. This permit does not preclude the enforcement of other applicable environmental regulations such as odor emissions under the Missouri Air Pollution Control Law and regulations.
7. This permit may (after due process) be modified, or alternatively revoked and reissued, to comply with any applicable biosolids or sludge disposal standard or limitation issued or approved under Section 405(d) of the Clean Water Act or under Chapter 644 RSMo.
8. In addition to Standard Conditions PART III, the Department may include biosolids and sludge limitations in the special conditions portion or other sections of a site specific permit.
9. Exceptions to Standard Conditions PART III may be authorized on a case-by-case basis by the Department, as follows:
 - a. The Department may modify a site-specific permit following permit notice provisions as applicable under 10 CSR 20-6.020, 40 CFR § 124.10, and 40 CFR § 501.15(a)(2)(ix)(E).
 - b. Exceptions cannot be granted where prohibited by the federal sludge regulations under 40 CFR Part 503.

SECTION B – DEFINITIONS

1. Best Management Practices are practices to prevent or reduce the pollution of waters of the state and include agronomic loading rates (nitrogen based), soil conservation practices, spill prevention and maintenance procedures and other site restrictions.
2. Biosolids means organic fertilizer or soil amendment produced by the treatment of domestic wastewater sludge.
3. Biosolids land application facility is a facility where biosolids are spread onto the land at agronomic rates for production of food, feed or fiber. The facility includes any structures necessary to store the biosolids until soil, weather, and crop conditions are favorable for land application.
4. Class A biosolids means a material that has met the Class A pathogen reduction requirements or equivalent treatment by a Process to Further Reduce Pathogens (PFRP) in accordance with 40 CFR Part 503.
5. Class B biosolids means a material that has met the Class B pathogen reduction requirements or equivalent treatment by a Process to Significantly Reduce Pathogens (PSRP) in accordance with 40 CFR Part 503.
6. Domestic wastewater means wastewater originating from the sanitary conveniences of residences, commercial buildings, factories and institutions; or co-mingled sanitary and industrial wastewater processed by a (POTW) or a privately owned facility.
7. Feed crops are crops produced primarily for consumption by animals.
8. Fiber crops are crops such as flax and cotton.
9. Food crops are crops consumed by humans which include, but is not limited to, fruits, vegetables and tobacco.
10. Industrial wastewater means any wastewater, also known as process wastewater, not defined as domestic wastewater. Per 40 CFR Part 122.2, process wastewater means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product. Land application of industrial wastewater, residuals or sludge is not authorized by Standard Conditions PART III.
11. Mechanical treatment plants are wastewater treatment facilities that use mechanical devices to treat wastewater, including, sand filters, extended aeration, activated sludge, contact stabilization, trickling filters, rotating biological contact systems, and other similar facilities. It does not include wastewater treatment lagoons or constructed wetlands for wastewater treatment.
12. Plant Available Nitrogen (PAN) is nitrogen that will be available to plants during the growing seasons after biosolids application.
13. Public contact site is land with a high potential for contact by the public. This includes, but is not limited to, public parks, ball fields, cemeteries, plant nurseries, turf farms, and golf courses.
14. Sludge is the solid, semisolid, or liquid residue removed during the treatment of wastewater. Sludge includes septage removed from septic tanks or equivalent facilities. Sludge does not include carbon coal byproducts (CCBs), sewage sludge incinerator ash, or grit/screenings generated during preliminary treatment of domestic sewage.
15. Sludge lagoon is part of a mechanical wastewater treatment facility. A sludge lagoon is an earthen or concrete lined basin that receives sludge that has been removed from a wastewater treatment facility. It does not include a wastewater treatment lagoon or sludge treatment units that are not a part of a mechanical wastewater treatment facility.
16. Septage is the sludge pumped from residential septic tanks, cesspools, portable toilets, Type III marine sanitation devices, or similar treatment works such as sludge holding structures from residential wastewater treatment facilities with design populations of less than 150 people. Septage does not include grease removed from grease traps at a restaurant or material removed from septic tanks and other similar treatment works that have received industrial wastewater. The standard for biosolids from septage is different from other sludges. See Section H for more information.

SECTION C – MECHANICAL WASTEWATER TREATMENT FACILITIES

1. Biosolids or sludge shall be routinely removed from wastewater treatment facilities and handled according to the permit facility description and the requirements of Standard Conditions PART III or in accordance with Section A.3.c., above.
2. The permittee shall operate storage and treatment facilities, as defined by Section 644.016(23), RSMo, so that there is no biosolids or sludge discharged to waters of the state. Agricultural storm water discharges are exempt under the provisions of Section 644.059, RSMo.
3. Mechanical treatment plants shall have separate biosolids or sludge storage compartments in accordance with 10 CSR 20, Chapter 8. Failure to remove biosolids or sludge from these storage compartments on the required design schedule is a violation of this permit.

SECTION D – BIOSOLIDS OR SLUDGE DISPOSED AT OTHER TREATMENT FACILITY OR BY CONTRACT HAULER

1. Permittees that use contract haulers, under the authority of their operating permit, to dispose of biosolids or sludge, are responsible for compliance with all the terms of this permit. Contract haulers that assume the responsibility of the final disposal of biosolids or sludge, including biosolids land application, must obtain a Missouri State Operating Permit unless the hauler transports the biosolids or sludge to another permitted treatment facility.
2. Testing of biosolids or sludge, other than total solids content, is not required if biosolids or sludge are hauled to a permitted wastewater treatment facility, unless it is required by the accepting facility.

SECTION E – INCINERATION OF SLUDGE

1. Please be aware that sludge incineration facilities may be subject to the requirements of 40 CFR Part 503 Subpart E, Missouri Air Conservation Commission regulations under 10 CSR 10, and solid waste management regulations under 10 CSR 80, as applicable.
2. Permittee may be authorized under the facility description of this permit to store incineration ash in lagoons or ash ponds. This permit does not authorize the disposal of incineration ash. Incineration ash shall be disposed in accordance with 10 CSR 80; or, if the ash is determined to be hazardous, with 10 CSR 25.
3. In addition to normal sludge monitoring, incineration facilities shall report the following as part of the annual report, mass of sludge incinerated and mass of ash generated. Permittee shall also provide the name of the ash disposal facility and permit number if applicable.

SECTION F – SURFACE DISPOSAL SITES AND BIOSOLIDS AND SLUDGE LAGOONS

1. Please be aware that surface disposal sites of biosolids or sludge from wastewater treatment facilities may be subject to other laws including the requirements in 40 CFR Part 503 Subpart C, Missouri Air Conservation Commission regulations under 10 CSR 10, and solid waste management regulations under 10 CSR 80, as applicable.
2. Biosolids or sludge storage lagoons are temporary facilities and are not required to obtain a permit as a solid waste management facility under 10 CSR 80. In order to maintain biosolids or sludge storage lagoons as storage facilities, accumulated biosolids or sludge must be removed routinely, but not less than once every two years unless an alternate schedule is approved in the permit. The amount of biosolids or sludge removed will be dependent on biosolids or sludge generation and accumulation in the facility. Enough biosolids or sludge must be removed to maintain adequate storage capacity in the facility.
 - a. In order to avoid damage to the lagoon seal during cleaning, the permittee may leave a layer of biosolids or sludge on the bottom of the lagoon, upon prior approval of the Department; or
 - b. Permittee shall close the lagoon in accordance with Section I.

SECTION G – LAND APPLICATION OF BIOSOLIDS

1. The permittee shall not land apply biosolids unless land application is authorized in the facility description, the special conditions of the issued NPDES permit, or in accordance with Section A.3.c., above.
2. This permit only authorizes “Class A” or “Class B” biosolids derived from domestic wastewater to be land applied onto grass land, crop land, timber, or other similar agricultural or silviculture lands at rates suitable for beneficial use as organic fertilizer and soil conditioner.
3. Class A Biosolids Requirements: Biosolids shall meet Class A requirements for application to public contact sites, residential lawns, home gardens or sold and/or given away in a bag or other container.
4. Class B biosolids that are land applied to agricultural and public contact sites shall comply with the following restrictions:
 - a. Food crops that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
 - b. Food crops below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for four months or longer prior to incorporation into the soil.
 - c. Food crops below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than four months prior to incorporation into the soil.
 - d. Animal grazing shall not be allowed for 30 days after application of biosolids.
 - e. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
 - f. Turf shall not be harvested for one year after application of biosolids if used for lawns or high public contact sites in close proximity to populated areas such as city parks or golf courses.
 - g. After Class B biosolids have been land applied to public contact sites with high potential for public exposure, as defined in 40 CFR § 503.31, such as city parks or golf courses, access must be restricted for 12 months.
 - h. After Class B biosolids have been land applied public contact sites with low potential for public exposure as defined in 40 CFR § 503.31, such as a rural land application or reclamation sites, access must be restricted for 30 days.
5. Pollutant limits
 - a. Biosolids shall be monitored to determine the quality for regulated pollutants listed in Table 1, below. Limits for any pollutants not listed below may be established in the permit.
 - b. The number of samples taken is directly related to the amount of biosolids or sludge produced by the facility (See Section J, below). Samples should be taken only during land application periods. When necessary, it is permissible to mix biosolids with lower concentrations of biosolids as well as other suitable Department approved material to achieve pollutant concentration below those identified in Table 1, below.
 - c. Table 1 gives the ceiling concentration for biosolids. Biosolids which exceed the concentrations in Table 1 may not be land applied.

TABLE 1

Biosolids ceiling concentration	
Pollutant	Milligrams per kilogram dry weight
Arsenic	75
Cadmium	85
Copper	4,300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
Selenium	100
Zinc	7,500

- d. Table 2 below gives the low metal concentration for biosolids. Because of its higher quality, biosolids with pollutant concentrations below those listed in Table 2 can safely be applied to agricultural land, forest, public contact sites, lawns, home gardens or be given away without further analysis. Biosolids containing metals in concentrations above the low metals concentrations but below the ceiling concentration limits may be land applied but shall not exceed the annual loading rates in Table 3 and the cumulative loading rates in Table 4. The permittee is required to track pollutant loading onto application sites for parameters that have exceeded the low metal concentration limits.

TABLE 2

Biosolids Low Metal Concentration	
Pollutant	Milligrams per kilogram dry weight
Arsenic	41
Cadmium	39
Copper	1,500
Lead	300
Mercury	17
Nickel	420
Selenium	100
Zinc	2,800

- e. Annual pollutant loading rate.

Table 3

Biosolids Annual Loading Rate	
Pollutant	Kg/ha (lbs./ac) per year
Arsenic	2.0 (1.79)
Cadmium	1.9 (1.70)
Copper	75 (66.94)
Lead	15 (13.39)
Mercury	0.85 (0.76)
Nickel	21 (18.74)
Selenium	5.0 (4.46)
Zinc	140 (124.96)

- f. Cumulative pollutant loading rates.

Table 4

Biosolids Cumulative Pollutant Loading Rate	
Pollutant	Kg/ha (lbs./ac)
Arsenic	41 (37)
Cadmium	39 (35)
Copper	1500 (1339)
Lead	300 (268)
Mercury	17 (15)
Nickel	420 (375)
Selenium	100 (89)
Zinc	2800 (2499)

6. Best Management Practices. The permittee shall use the following best management practices during land application activities to prevent the discharge of biosolids to waters of the state.
- Biosolids shall not be applied to the land if it is likely to adversely affect a threatened or endangered species listed under § 4 of the Endangered Species Act or its designated critical habitat.
 - Apply biosolids only at the agronomic rate of nitrogen needed (see 5.c. of this section).
 - The applicator must document the Plant Available Nitrogen (PAN) loadings, available nitrogen in the soil, and crop

nitrogen removal when either of the following occurs: 1) When biosolids are greater than 50,000 mg/kgTN; or 2) When biosolids are land applied at an application rate greater than two dry tons per acre per year.

- i. PAN can be determined as follows:
(Nitrate + nitrite nitrogen) + (organic nitrogen x 0.2) + (ammonia nitrogen x volatilization factor¹).
¹ Volatilization factor is 0.7 for surface application and 1 for subsurface application. Alternative volatilization factors and mineralization rates can be utilized on a case-by-case basis.
- ii. Crop nutrient production/removal to be based on crop specific nitrogen needs and realistic yield goals. **NOTE:** There are a number of reference documents on the Missouri Department of Natural Resources website that are informative to implement best management practices in the proper management of biosolids, including crop specific nitrogen needs, realistic yields on a county by county basis and other supporting references.
- iii. Biosolids that are applied at agronomic rates shall not cause the annual pollutant loading rates identified in Table 3 to be exceeded.
- d. Buffer zones are as follows:
 - i. 300 feet of a water supply well, sinkhole, water supply reservoir or water supply intake in a stream;
 - ii. 300 feet of a losing stream, no discharge stream, stream stretches designated for whole body contact recreation, wild and scenic rivers, Ozark National Scenic Riverways or outstanding state resource waters as listed in the Water Quality Standards, 10 CSR 20-7.031;
 - iii. 150 feet of dwellings or public use areas;
 - iv. 100 feet (35 feet if biosolids application is down-gradient or the buffer zone is entirely vegetated) of lake, pond, wetlands or gaining streams (perennial or intermittent);
 - v. 50 feet of a property line. Buffer distances from property lines may be waived with written permission from neighboring property owner.
 - vi. For the application of dry, cake or liquid biosolids that are subsurface injected, buffer zones identified in 5.d.i. through 5.d.iii above, may be reduced to 100 feet. The buffer zone may be reduced to 35 feet if the buffer zone is permanently vegetated. Subsurface injection does not include methods or technology reflective of combination surface/shallow soil incorporation.
- e. Slope limitation for application sites are as follows:
 - i. For slopes less than or equal to 6 percent, no rate limitation;
 - ii. Applied to a slope 7 to 12 percent, the applicator may apply biosolids when soil conservation practices are used to meet the minimum erosion levels;
 - iii. Slopes > 12 percent, apply biosolids only when grass is vegetated and maintained with at least 80 percent ground cover at a rate of two dry tons per acre per year or less.
 - iv. Dry, cake or liquid biosolids that are subsurface injected, may be applied on slopes not to exceed 20 percent. Subsurface injection does not include the use of methods or technology reflective of combination surface/shallow soil incorporation.
- f. No biosolids may be land applied in an area that it is reasonably certain that pollutants will be transported into waters of the state.
- g. Biosolids may be land applied to sites with soil that are snow covered, frozen, or saturated with liquid when site restrictions or other controls are provided to prevent pollutants from being discharged to waters of the state during snowmelt or stormwater runoff. During inclement weather or unfavorable soil conditions use the following management practices:
 - i. A maximum field slope of 6% and a minimum 300 feet grass buffer between the application site and waters of the state. A 35 feet grass buffer may be utilized for the application of dry, cake or liquid biosolids that are subsurface injected. Subsurface injection does not include the use of methods or technology reflective of combination surface/shallow soil incorporation;
 - ii. A maximum field slope of 2% and 100 feet grass buffer between the application site and waters of the state. A 35 feet grass buffer may be used for the application of dry, cake or liquid biosolids that are subsurface injected. Subsurface injection does not include the use of methods or technology reflective of combination surface/shallow soil incorporation;
 - iii. Other best management practices approved by the Department.

SECTION H – SEPTAGE

1. Haulers that land apply septage must obtain a state permit. An operating permit is not required for septage haulers who transport septage to another permitted treatment facility for disposal.
2. Do not apply more than 30,000 gallons of septage per acre per year or the volume otherwise stipulated in the operating permit.
3. Septic tanks are designed to retain sludge for one to three years which will allow for a larger reduction in pathogens and vectors, as compared to mechanical treatment facilities.
4. Septage must comply with Class B biosolids regarding pathogen and vector attraction reduction requirements before it may be applied to crops, pastures or timberland. To meet required pathogen and vector reduction requirements, mix 50 pounds of hydrated lime for every 1,000 gallons of septage and maintain a septage pH of at least 12 pH standard units for 30 minutes or more prior to application.
5. Lime is to be added to the pump truck and not directly to the septic tanks, as lime would harm the beneficial bacteria of the septic tank.
6. As residential septage contains relatively low levels of metals, the testing of metals in septage is not required.

SECTION I– CLOSURE REQUIREMENTS

1. This section applies to all wastewater facilities (mechanical and lagoons) and sludge or biosolids storage and treatment facilities. It does not apply to land application sites.
2. Permittees of a domestic wastewater facility who plan to cease operation must obtain Department approval of a closure plan which addresses proper removal and disposal of all sludges and/or biosolids. Permittee must maintain this permit until the facility is closed in accordance with the approved closure plan per 10 CSR 20 – 6.010 and 10 CSR 20 – 6.015.
3. Biosolids or sludge that are left in place during closure of a lagoon or earthen structure or ash pond shall not exceed the agricultural loading rates as follows:
 - a. Biosolids and sludge shall meet the monitoring and land application limits for agricultural rates as referenced in Section G, above.
 - b. If a wastewater treatment lagoon has been in operation for 15 years or more without sludge removal, the sludge in the lagoon qualifies as a Class B biosolids with respect to pathogens due to anaerobic digestion, and testing for fecal coliform is not required. For other lagoons, testing for fecal coliform is required to show compliance with Class B biosolids limitations. In order to reach Class B biosolids requirements, fecal coliform must be less than 2,000,000 colony forming units or 2,000,000 most probable number. All fecal samples must be presented as geometric mean per gram.
 - c. The allowable nitrogen loading that may be left in the lagoon shall be based on the plant available nitrogen (PAN) loading. For a grass cover crop, the allowable PAN is 300 pounds/acre. Alternative, site-specific application rates may be included in the closure plan for department consideration.
 - i. PAN can be determined as follows:
$$(\text{Nitrate} + \text{nitrite nitrogen}) + (\text{organic nitrogen} \times 0.2) + (\text{ammonia nitrogen} \times \text{volatilization factor}^1).$$
¹ Volatilization factor is 0.7 for surface application and 1 for subsurface application. Alternative volatilization factors and mineralization rates can be utilized on a case-by-case basis.
4. Domestic wastewater treatment lagoons with a design treatment capacity less than or equal to 150 persons, are “similar treatment works” under the definition of septage. Therefore the sludge within the lagoons may be treated as septage during closure activities. See Section B, above. Under the septage category, residuals may be left in place as follows:
 - a. Testing for metals or fecal coliform is not required.
 - b. If the wastewater treatment lagoon has been in use for less than 15 years, mix lime with the sludge at a rate of 50 pounds of hydrated lime per 1000 gallons (134 cubic feet) of sludge.
 - c. The amount of sludge that may be left in the lagoon shall be based on the plant available nitrogen (PAN) loading. 100 dry tons/acre of sludge may be left in the basin without testing for nitrogen. If 100 dry tons/acre or more will be left in the lagoon, test for nitrogen and determine the PAN using the calculation above. Allowable PAN loading is 300 pounds/acre.
5. Biosolids or sludge left within the domestic lagoon shall be mixed with soil on at least a 1 to 1 ratio, and unless otherwise approved, the lagoon berm shall be demolished, and the site shall be graded and contain $\geq 70\%$ vegetative density over 100% of the site so as to avoid ponding of storm water and provide adequate surface water drainage without creating erosion. Alternative biosolids or sludge and soil mixing ratios may be included in the closure plan for department consideration.
6. Lagoon and earthen structure closure activities shall obtain a storm water permit for land disturbance activities that equal or exceed one acre in accordance with 10 CSR 20-6.200.
7. When closing a mechanical wastewater plant, all biosolids or sludge must be cleaned out and disposed of in accordance with the Department approved closure plan before the permit for the facility can be terminated.
 - a. Land must be stabilized which includes any grading, alternate use or fate upon approval by the Department, remediation, or other work that exposes sediment to stormwater per 10 CSR 20-6.200. The site shall be graded and contain $\geq 70\%$ vegetative density over 100% of the site, so as to avoid ponding of storm water and provide adequate

- surface water drainage without creating erosion.
- b. Hazardous Waste shall not be land applied or disposed during mechanical plant closures unless in accordance with Missouri Hazardous Waste Management Law and Regulations pursuant to 10 CSR 25.
 - c. After demolition of the mechanical plant, the site must only contain clean fill defined in Section 260.200.1(6) RSMo as uncontaminated soil, rock, sand, gravel, concrete, asphaltic concrete, cinderblocks, brick, minimal amounts of wood and metal, and inert solids as approved by rule or policy of the Department for fill, reclamation, or other beneficial use. Other solid wastes must be removed.
8. If biosolids or sludge from the domestic lagoon or mechanical treatment plant exceeds agricultural rates under Section G and/or I, a landfill permit or solid waste disposal permit must be obtained if the permittee chooses to seek authorization for on-site sludge disposal under the Missouri Solid Waste Management Law and regulations per 10 CSR 80, and the permittee must comply with the surface disposal requirements under 40 CFR Part 503, Subpart C.

SECTION J – MONITORING FREQUENCY

1. At a minimum, biosolids or sludge shall be tested for volume and percent total solids on a frequency that will accurately represent sludge quantities produced and disposed. Please see the table below.

TABLE 5

Biosolids or Sludge produced and disposed (Dry Tons per Year)	Monitoring Frequency (See Notes 1, and 2)		
	Metals, Pathogens and Vectors, Total Phosphorus, Total Potassium	Nitrogen TKN, Nitrogen PAN ¹	Priority Pollutants ²
319 or less	1/year	1 per month	1/year
320 to 1650	4/year	1 per month	1/year
1651 to 16,500	6/year	1 per month	1/year
16,501+	12/year	1 per month	1/year

¹ Calculate plant available nitrogen (PAN) when either of the following occurs: 1) when biosolids are greater than 50,000 mg/kg TN; or 2) when biosolids are land applied at an application rate greater than two dry tons per acre per year.

² Priority pollutants (40 CFR 122.21, Appendix D, Tables II and III) are required only for permit holders that must have a pre-treatment program. Monitoring requirements may be modified and incorporated into the operating permit by the Department on a case-by-case basis.

Note 1: Total solids: A grab sample of sludge shall be tested one per day during land application periods for percent total solids. This data shall be used to calculate the dry tons of sludge applied per acre.

Note 2: Table 5 is not applicable for incineration and permit holders that landfill their sludge.

2. Permittees that operate wastewater treatment lagoons, peak flow equalization basins, combined sewer overflow basins or biosolids or sludge lagoons that are cleaned out once a year or less, may choose to sample only when the biosolids or sludge is removed or the lagoon is closed. Test one composite sample for each 319 dry tons of biosolids or sludge removed from the lagoon during the reporting year or during lagoon closure. Composite sample must represent various areas at one-foot depth.
3. Additional testing may be required in the special conditions or other sections of the permit.
4. Biosolids and sludge monitoring shall be conducted in accordance with federal regulation 40 CFR § 503.8, Sampling and analysis.

SECTION K – RECORD KEEPING AND REPORTING REQUIREMENTS

1. The permittee shall maintain records on file at the facility for at least five years for the items listed in Standard Conditions PART III and any additional items in the Special Conditions section of this permit. This shall include dates when the biosolids or sludge facility is checked for proper operation, records of maintenance and repairs and other relevant information.
2. Reporting period
 - a. By February 19th of each year, applicable facilities shall submit an annual report for the previous calendar year period for all mechanical wastewater treatment facilities, sludge lagoons, and biosolids or sludge disposal facilities.
 - b. Permittees with wastewater treatment lagoons shall submit the above annual report only when biosolids or sludge are removed from the lagoon during the report period or when the lagoon is closed.
3. Report Form. The annual report shall be prepared on report forms provided by the Department or equivalent forms approved by the Department.
4. Reports shall be submitted as follows:
Major facilities, which are those serving 10,000 persons or more or with a design flow equal to or greater than 1 million gallons per day or that are required to have an approved pretreatment program, shall report to both the Department and EPA if the facility land applied, disposed of biosolids by surface disposal, or operated a sewage sludge incinerator. All other facilities shall maintain their biosolids or sludge records and keep them available to Department personnel upon request. State reports shall be submitted to the address listed as follows:

DNR regional or other applicable office listed in the
permit (see cover letter of permit)
ATTN: Sludge Coordinator

Reports to EPA must be electronically submitted online via the Central Data Exchange at: <https://cdx.epa.gov/> Additional information is available at: <https://www.epa.gov/biosolids/compliance-and-annual-reporting-guidance-about-clean-water-act-laws>

5. Annual report contents. The annual report shall include the following:
 - a. Biosolids and sludge testing performed. If testing was conducted at a greater frequency than what is required by the permit, all test results must be included in the report.
 - b. Biosolids or sludge quantity shall be reported as dry tons for the quantity produced and/or disposed.
 - c. Gallons and % solids data used to calculate the dry ton amounts.
 - d. Description of any unusual operating conditions.
 - e. Final disposal method, dates, and location, and person responsible for hauling and disposal.
 - i. This must include the name and address for the hauler and sludge facility. If hauled to a municipal wastewater treatment facility, sanitary landfill, or other approved treatment facility, give the name of that facility.
 - ii. Include a description of the type of hauling equipment used and the capacity in tons, gallons, or cubic feet.
 - f. Contract Hauler Activities:

If using a contract hauler, provide a copy of a signed contract from the contractor. Permittee shall require the contractor to supply information required under this permit for which the contractor is responsible. The permittee shall submit a signed statement from the contractor that he has complied with the standards contained in this permit, unless the contract hauler has a separate biosolids or sludge use permit.
 - g. Land Application Sites:
 - i. Report the location of each application site, the annual and cumulative dry tons/acre for each site, and the landowners name and address. The location for each spreading site shall be given as a legal description for nearest ¼, ¼, Section, Township, Range, and county, or UTM coordinates. The facility shall report PAN when either of the following occurs: 1) When biosolids are greater than 50,000 mg/kg TN; or 2) when biosolids are land applied at an application rate greater than two dry tons per acre per year.
 - ii. If the “Low Metals” criteria are exceeded, report the annual and cumulative pollutant loading rates in pounds per acre for each applicable pollutant, and report the percent of cumulative pollutant loading which has been reached at each site.
 - iii. Report the method used for compliance with pathogen and vector attraction requirements.
 - iv. Report soil test results for pH and phosphorus. If no soil was tested during the year, report the last date when tested and the results.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH
**FORM B2 – APPLICATION FOR OPERATING PERMIT FOR FACILITIES THAT RECEIVE
PRIMARILY DOMESTIC WASTE AND HAVE A DESIGN FLOW MORE THAN 100,000 GALLONS
PER DAY**

FACILITY NAME

Birmingham Wastewater Treatment Facility

PERMIT NO.

MO-0049531

COUNTY

Clay County

APPLICATION OVERVIEW

Form B2 has been developed in a modular format and consists of Parts A, B and C and a Supplemental Application Information (Parts D, E, F and G) packet. All applicants must complete Parts A, B and C. Some applicants must also complete parts of the Supplemental Application Information packet. The following items explain which parts of Form B2 you must complete. Submittal of an incomplete application may result in the application being returned.

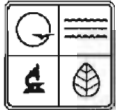
BASIC APPLICATION INFORMATION

- A. Basic Application Information for all Applicants. All applicants must complete Part A.
- B. Additional Application Information for all Applicants. All applicants must complete Part B.
- C. Certification. All applicants must complete Part C.

SUPPLEMENTAL APPLICATION INFORMATION

- D. Expanded Effluent Testing Data. A treatment works that discharges effluent to surface water of the United States and meets one or more of the following criteria must complete *Part D - Expanded Effluent Testing Data*:
 - 1. Has a design flow rate greater than or equal to 1 million gallons per day.
 - 2. Is required to have or currently has a pretreatment program.
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data. A treatment works that meets one or more of the following criteria must complete *Part E - Toxicity Testing Data*:
 - 1. Has a design flow rate greater than or equal to 1 million gallons per day.
 - 2. Is required to have or currently has a pretreatment program.
 - 3. Is otherwise required by the permitting authority to provide the information.
- F. Industrial User Discharges and Resource Conservation and Recovery Act / Comprehensive Environmental Response, Compensation and Liability Act Wastes. A treatment works that accepts process wastewater from any significant industrial users, also known as SIUs, or receives a Resource Conservation and Recovery Act or CERCLA wastes must complete *Part F - Industrial User Discharges and Resource Conservation and Recovery Act / CERCLA Wastes*.
SIUs are defined as:
 - 1. All Categorical Industrial Users, or CIUs, subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations 403.6 and 40 Code of Federal Regulations 403.6 and 40 CFR Chapter 1, Subchapter N.
 - 2. Any other industrial user that meets one or more of the following:
 - i. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions).
 - ii. Contributes a process waste stream that makes up five percent or more of the average dry weather hydraulic or organic capacity of the treatment plant.
 - iii. Is designated as an SIU by the control authority.
 - iv. Is otherwise required by the permitting authority to provide the information.
- G. Combined Sewer Systems. A treatment works that has a combined sewer system must complete *Part G - Combined Sewer Systems*.

ALL APPLICANTS MUST COMPLETE PARTS A, B and C



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH
**FORM B2 – APPLICATION FOR AN OPERATING PERMIT FOR
FACILITIES THAT RECEIVE PRIMARILY DOMESTIC WASTE AND
HAVE A DESIGN FLOW MORE THAN 100,000 GALLONS PER DAY**

FOR AGENCY USE ONLY

CHECK NUMBER

DATE
RECEIVED
3/8/16

FEE SUBMITTED
288

PART A – BASIC APPLICATION INFORMATION

1. THIS APPLICATION IS FOR:

- ☐ An operating permit for a new or unpermitted facility. Construction Permit # _____
(Please include completed Antidegradation Review or request to conduct an Antidegradation Review, see instructions)
- ☒ An operating permit renewal: Permit # MO-0049531 Expiration Date August 31, 2016
- ☐ An operating permit modification: Permit # MO-_____ Reason: _____

1.1 Is the appropriate fee included with the application (see instructions for appropriate fee)? ☒ YES ☐ NO

2. FACILITY

NAME Birmingham Wastewater Treatment Facility TELEPHONE NUMBER WITH AREA CODE 816-513-7200

ADDRESS (PHYSICAL) 10801 NE 28th Street CITY Kansas City STATE MO ZIP 64161

2.1 LEGAL DESCRIPTION (Facility Site): 1/4 NE 1/4 SW Sec. 13, 5T 0N, 32W, R COUNTY Clay

2.2 UTM Coordinates Easting (X): +3838401 Northing (Y): 4333467
For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

2.3 Name of receiving stream: Missouri River

2.4 Number of Outfalls: 1 wastewater outfalls, stormwater outfalls, instream monitoring sites

3. OWNER

NAME City of Kansas City Missouri E-MAIL ADDRESS _____ TELEPHONE NUMBER WITH AREA CODE 816-513-0504

ADDRESS 4800 E 63rd Street CITY Kansas City STATE MO ZIP 64130

- 3.1 Request review of draft permit prior to Public Notice? ☒ YES ☐ NO
- 3.2 Are you a Publically Owned Treatment Works (POTW)? ☒ YES ☐ NO
- 3.3 Are you a Privately Owned Treatment Facility? ☐ YES ☒ NO
- 3.4 Are you a Privately Owned Treatment Facility regulated by the Public Service Commission (PSC)? ☐ YES ☒ NO

4. CONTINUING AUTHORITY: Permanent organization which will serve as the continuing authority for the operation, maintenance and modernization of the facility.

NAME Kansas City, Water Services Dept EMAIL ADDRESS _____ TELEPHONE WITH AREA CODE 816-513-0504

ADDRESS 4800 E 63rd Street CITY Kansas City STATE MO ZIP 64130

If the Continuing Authority is different than the Owner, please include a copy of the contract agreement between the two parties and a description of the responsibilities of both parties within the agreement.

5. OPERATOR

NAME Randolph Williams TITLE Utility Supervisor CERTIFICATE NUMBER (IF APPLICABLE) 8660

E-MAIL ADDRESS randy.williams@kcmo.org TELEPHONE NUMBER WITH AREA CODE 816-513-7205

6. FACILITY CONTACT

NAME Randolph Williams TITLE Utility Supervisor

E-MAIL ADDRESS randy.williams@kcmo.org TELEPHONE NUMBER WITH AREA CODE 816-513-7205

ADDRESS 10801 NE 28th Street CITY Kansas City STATE MO ZIP CODE 64161

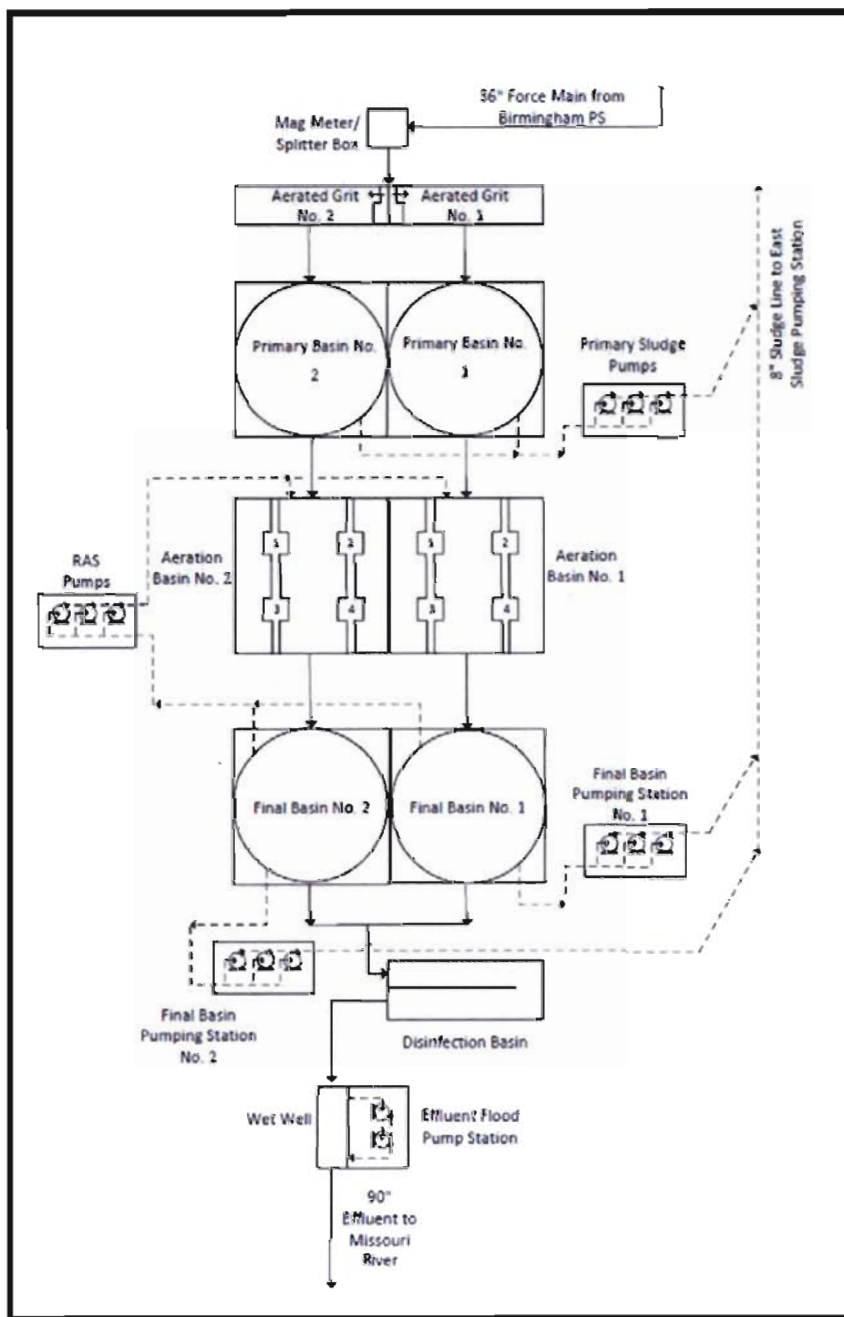
FACILITY NAME	Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
---------------	------------------------	---------------------------	-----------------

PART A – BASIC APPLICATION INFORMATION

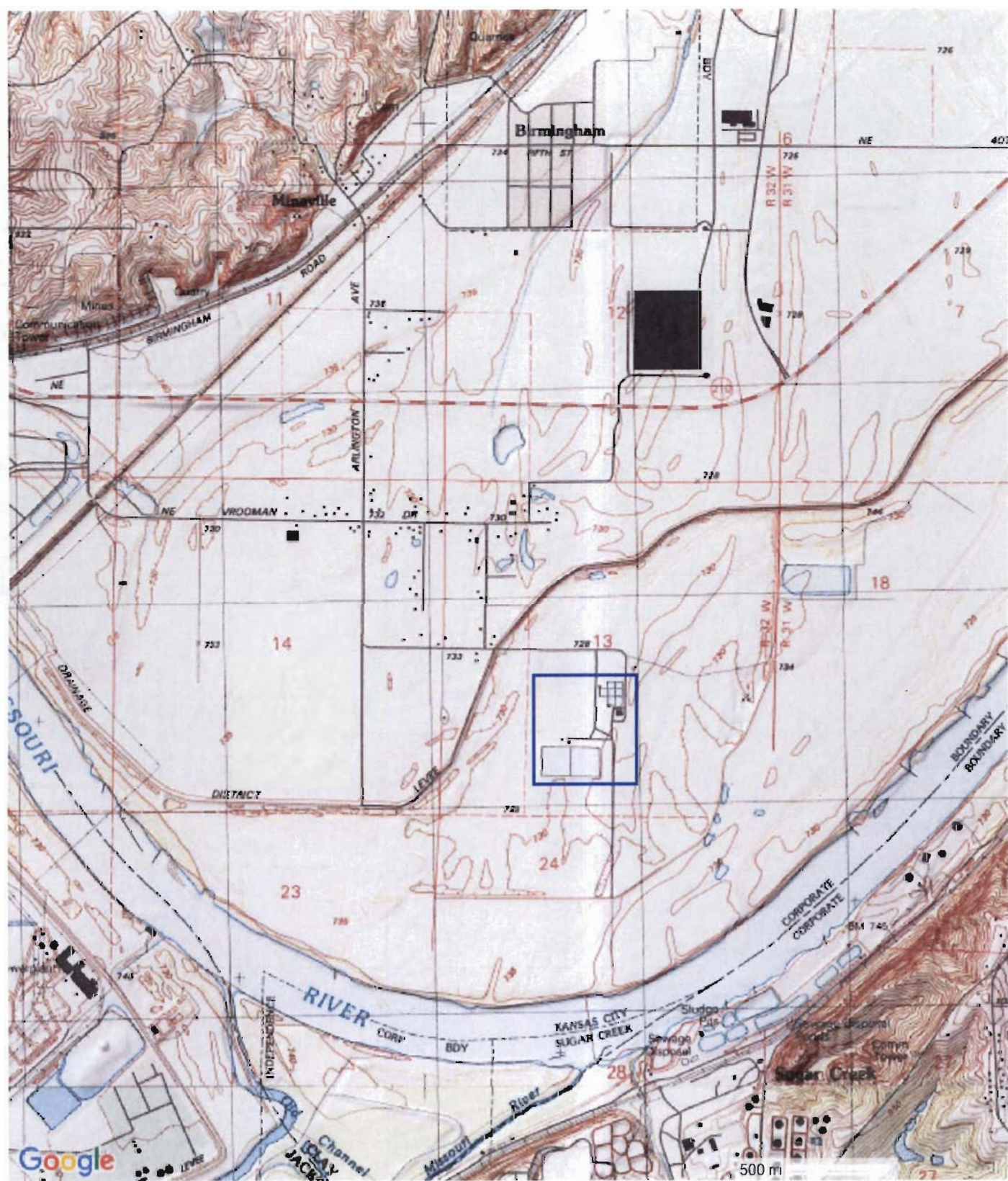
7. FACILITY INFORMATION

7.1 Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant. Show all of the treatment units, including disinfection (e.g. – Chlorination and Dechlorination), influents, and outfalls. Indicate any treatment process changes in the routing of wastewater during dry weather and peak wet weather. Include a brief narrative description of the diagram. Attach sheets as necessary.

This facility consists of aerated grit removal, primary clarification followed by two aeration basins with mechanical surface aerators, final clarification and disinfection and dechlorination with discharge to the Missouri River. Primary and secondary sludge is pumped to the Blue River WWTP for dewatering, incineration or anaerobic digestion and pumped to the sludge lagoons at the Birmingham WWTP for storage until it can be land applied.



FACILITY NAME Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
PART A – BASIC APPLICATION INFORMATION		
7. FACILITY INFORMATION (continued)		
<p>7.2 Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information.</p> <ul style="list-style-type: none"> a. The area surrounding the treatment plant, including all unit processes. b. The location of the downstream landowner(s). (See Item 10.) c. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable. d. The actual point of discharge. e. Wells, springs, other surface water bodies and drinking water wells that are: 1) within ¼ mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant. f. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed. g. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, or disposed. 		
<p>7.3 Facility SIC Code: <u>4952</u></p>	<p>Discharge SIC Code: <u>4952</u></p>	
<p>7.4 Number of people presently connected or population equivalent (P.E.): <u>39,235 (2005 PE)</u> Design P.E. <u>100,000</u></p>		
<p>7.5 Connections to the facility:</p> <p>Number of units presently connected:</p> <p>Homes <u>30,000</u> Trailers <u>280</u> Apartments <u>1,050</u> Other (including industrial) _____</p> <p>Number of Commercial Establishments: _____</p>		
<p>7.6 Design Flow 20 MGD</p>	<p>Actual Flow 12.4 MGD</p>	
<p>7.7 Will discharge be continuous through the year? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Discharge will occur during the following months: <u>JAN-DEC (12 Months)</u> How many days of the week will discharge occur? <u>7 Days a week</u></p>		
<p>7.8 Is industrial waste discharged to the facility? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>If yes, please describe the number and types of industries that discharge to your facility.</p> <p><i>Eight industries discharge to the facility: one motor vehicle assembly plant, one corrugated paper container manufacturer, one treatment, storage, and disposal facility, one limestone mine, one transportation maintenance and tank cleaning facility, one hospital, one corrugated sheet and shipping container manufacturer, and one office publications manufacturer</i></p> <p>Refer to the APPLICATION OVERVIEW to determine whether additional information is needed for Part F.</p>		
<p>7.9 Does the facility accept or process leachate from landfills?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		
<p>7.10 Is wastewater land applied? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, is Form I attached? Yes <input type="checkbox"/> No <input type="checkbox"/></p>		
<p>7.11 Does the facility discharge to a losing stream or sinkhole? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		
<p>7.12 Has a wasteload allocation study been completed for this facility? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		
8. LABORATORY CONTROL INFORMATION		
LABORATORY WORK CONDUCTED BY PLANT PERSONNEL		
Lab work conducted outside of plant.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Push-button or visual methods for simple test such as pH, settleable solids.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Additional procedures such as Dissolved Oxygen, Chemical Oxygen Demand, Biological Oxygen Demand, titrations, solids, volatile content.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
More advanced determinations such as BOD seeding procedures, fecal coliform, nutrients, total oils, phenols, etc.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Highly sophisticated instrumentation, such as atomic absorption and gas chromatograph.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>



FACILITY NAME Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
PART A – BASIC APPLICATION INFORMATION		
9. SLUDGE HANDLING, USE AND DISPOSAL		
9.1 Is the sludge a hazardous waste as defined by 10 CSR 25? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
9.2 Sludge production (Including sludge received from others): Design Dry Tons/Year 21,000 Actual Dry Tons/Year 4146		
9.3 Sludge storage provided: _____ Cubic feet; _____ Days of storage; <u>0.39</u> Average percent solids of sludge; <input checked="" type="checkbox"/> No sludge storage is provided. <input type="checkbox"/> Sludge is stored in lagoon.		
9.4 Type of storage: <input type="checkbox"/> Holding Tank <input type="checkbox"/> Building <input type="checkbox"/> Basin <input type="checkbox"/> Lagoon <input type="checkbox"/> Concrete Pad <input type="checkbox"/> Other (Please describe) _____		
9.5 Sludge Treatment: <input checked="" type="checkbox"/> Anaerobic Digester <input type="checkbox"/> Storage Tank <input type="checkbox"/> Lime Stabilization <input type="checkbox"/> Lagoon <input type="checkbox"/> Aerobic Digester <input type="checkbox"/> Air or Heat Drying <input type="checkbox"/> Composting <input type="checkbox"/> Other (Attach Description)		
9.6 Sludge use or disposal: <input checked="" type="checkbox"/> Land Application <input type="checkbox"/> Contract Hauler <input type="checkbox"/> Hauled to Another Treatment Facility <input type="checkbox"/> Solid Waste Landfill <input type="checkbox"/> Surface Disposal (Sludge Disposal Lagoon, Sludge Held For More Than Two Years) <input checked="" type="checkbox"/> Incineration <input type="checkbox"/> Other (Attach Explanation Sheet) _____		
9.7 Person responsible for hauling sludge to disposal facility: <input checked="" type="checkbox"/> By Applicant <input type="checkbox"/> By Others (complete below)		
NAME City of Kansas City, Missouri		E-MAIL ADDRESS
ADDRESS 7300 Hawthorne Road	CITY Kansas City	STATE MO ZIP CODE 64120
CONTACT PERSON Hans B. Newsom	TELEPHONE WITH AREA CODE 816-513-7225	PERMIT NO. MO- 0024911
9.8 Sludge use or disposal facility: <input checked="" type="checkbox"/> By Applicant <input type="checkbox"/> By Others (Please complete below)		
NAME Birmingham Wastewater Treatment Facility		E-MAIL ADDRESS
ADDRESS 10801 NE 28th St	CITY Kansas City	STATE MO ZIP CODE 64161
CONTACT PERSON Timothy Walters	TELEPHONE WITH AREA CODE 816-719-0469	PERMIT NO. MO- 0024911
9.9 Does the sludge or biosolids disposal comply with Federal Sludge Regulation 40 CFR 503? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Please explain)		
END OF PART A		

FACILITY NAME Birmingham WWTP	PERMIT NO. 0049531	OUTFALL NO. 001
PART B – ADDITIONAL APPLICATION INFORMATION		
10. COLLECTION SYSTEM		
10.1 Length of sanitary sewer collection system in miles <u>465.7 miles</u>		
10.2 Does significant infiltration occur in the collection system? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, briefly explain any steps underway or planned to minimize inflow and infiltration: <i>A master study (plan) has been conducted to identify the I&I problem in the Birmingham area. See two planned project below intended to minimize inflow and infiltration:</i> 2017: I/I Reduction for Birmingham/Shoal Creek Area 1 & 2 2018: I/I Reduction for Birmingham /Shoal Creek Area 3 <i>Additional ongoing efforts include: sewer cleaning, CCTV investigation, Cast-in-Place-Pipe relining, rehabilitation of manholes</i>		
11. BYPASSING		
Does any bypassing occur anywhere in the collection system or at the treatment facility? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, explain: <i>Bypassing is not expected under normal operating conditions.</i>		
12. OPERATION AND MAINTENANCE PERFORMED BY CONTRACTOR(S)		
Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of the contractor? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, list the name, address, telephone number and status of each contractor and describe the contractor's responsibilities. (Attach additional pages if necessary.)		
NAME		
MAILING ADDRESS		
TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS	
RESPONSIBILITIES OF CONTRACTOR		
13. SCHEDULED IMPROVEMENTS AND SCHEDULES OF IMPLEMENTATION		
Provide information about any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses for each.		
<i>Projects Underway</i> <i>Birmingham Pump Station Improvements (install 2 mid-sized pumps and generator)</i>		
<i>Estimated Start Dates</i> 2017: I/I Reduction for Birmingham/Shoal Creek Area 1 & 2 2018: I/I Reduction for Birmingham /Shoal Creek Area 3 2018: Birmingham Relief Sewer (800 LF of 30 inch diameter relief sewer) 2022: Deep Tunnel Storage (44 MG) North of Missouri River 2024: 24 inch Force Main from Birmingham Pump Station to Birmingham WWTP 2024: Birmingham WWTP Capacity Expansion 2024: Deep Tunnel Pump Station (up-shaft and 30 MG Tunnel) North of Missouri River 2024: Birmingham Pump Station Upgrade (upgrade existing pump station to 50 MG)		

FACILITY NAME	Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
---------------	------------------------	----------------------------------	------------------------

PART B – ADDITIONAL APPLICATION INFORMATION
14. EFFLUENT TESTING DATA

Applicants must provide effluent testing data for the following parameters. Provide the indicated effluent data **for each outfall through which effluent is discharged**. Do not include information of combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least **three samples** and must be no more than four and one-half years apart.

Outfall Number

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)	7.4	S.U.	—	S.U.	252
pH (Maximum)	8.7	S.U.	—	S.U.	252
Flow Rate	33.62	MGD	14.48	MGD	365

*For pH report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Conc.	Units	Number of Samples		

Conventional and Nonconventional Compounds

BIOCHEMICAL OXYGEN DEMAND (Report One)	BOD ₅	85	mg/L	20	mg/L	497	SM5210B	2
	CBOD ₅		mg/L		mg/L			
E. COLI		47900	#/100 mL	78	#/100 mL	75	SM9223A.B	1
TOTAL SUSPENDED SOLIDS (TSS)		73	mg/L	17	mg/L	501	SM2540-D	1
AMMONIA (as N)		31.68	mg/L	18.7	mg/L	130	SM4500-NH-3B	0.13
CHLORINE* (TOTAL RESIDUAL, TRC)		0.11	mg/L	0.015	mg/L	89	SM4500C1G	0.1
DISSOLVED OXYGEN		10.5	mg/L	7.8	mg/L	252	Hach 40D	—
OIL and GREASE		6.4	mg/L	3.2	mg/L	25	SM5520B	1.4
OTHER			mg/L		mg/L			

*Report only if facility chlorinates

END OF PART B

FACILITY NAME Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
---	----------------------------------	---------------------------

PART C – CERTIFICATION

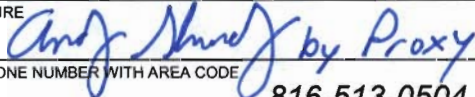
15. CERTIFICATION

All applicants must complete the Certification Section. This certification must be signed by an officer of the company or city official. All applicants must complete all applicable sections as explained in the Application Overview. By signing this certification statement, applicants confirm that they have reviewed the entire form and have completed all sections that apply to the facility for which this application is submitted.

ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

PRINTED NAME Terry Leeds	OFFICIAL TITLE (MUST BE AN OFFICER OF THE COMPANY OR CITY OFFICIAL) Water Services Department Director
------------------------------------	--

SIGNATURE 
TELEPHONE NUMBER WITH AREA CODE 816-513-0504

DATE SIGNED

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

Send Completed Form to:

Department of Natural Resources
Water Protection Program
ATTN: NPDES Permits and Engineering Section
P.O. Box 176
Jefferson City, MO 65102

END OF PART C
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH PARTS OF FORM B2 YOU MUST COMPLETE.

Do not complete the remainder of this application, unless at least one of the following statements applies to your facility:

1. Your facility design flow is equal to or greater than 1,000,000 gallons per day.
2. Your facility is a pretreatment treatment works.
3. Your facility is a combined sewer system.

Submittal of an incomplete application may result in the application being returned. Permit fees for returned applications shall be forfeited. Permit fees for applications being processed by the department that are withdrawn by the applicant shall be forfeited.

MAKE ADDITIONAL COPIES OF THIS FORM FOR EACH OUTFALL

FACILITY NAME <i>Birmingham WWTP</i>	PERMIT NO. MO- <i>0049531</i>	OUTFALL NO. <i>001</i>
---	----------------------------------	---------------------------

PART D – EXPANDED EFFLUENT TESTING DATA
16. EXPANDED EFFLUENT TESTING DATA

Refer to the APPLICATION OVERVIEW to determine whether Part D applies to the treatment works.

If the treatment works has a design flow greater than or equal to 1 million gallons per day or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information **for each outfall through which effluent is discharged**. Do not include information of combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. The facility shall use sufficiently sensitive analytical methods for detecting, identifying, and measuring the concentrations of pollutants. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least **three pollutant scans** and must be no more than four and one-half years apart.

Outfall Number (Complete Once for Each Outfall Discharging Effluent to Waters of the State.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	No. of Samples		
METALS (TOTAL RECOVERABLE), CYANIDE, PHENOLS AND HARDNESS											
ANTIMONY	1.2	ug/L			0.76	ug/L			8	EPA 200.8	2.5
ARSENIC	1.25				1.4				8	EPA 200.8	0.085
BERYLLIUM	<0.04				<0.04				8	EPA 200.7	0.04
CADMIUM	1.0				1				8	EPA 200.7	0.11
CHROMIUM III											
CHROMIUM VI	<9.8				<9.8				8	SM35006.B	9.8
COPPER	13				65				8	200.7	0.53
LEAD	0.63				0.38				8	200.8	0.013
MERCURY	0.2				0.2				8	245.1	0.084
NICKEL	29				14				8	200.7	0.4
SELENIUM	4.3				2.6				8	200.8	0.068
SILVER	10				10				8	200.7	0.744
THALLIUM	0.2				0.17				8	200.8	0.028
ZINC	53				25				8	200.7	0.16
CYANIDE	<7.9				<7.9				8	SM4500CNG	7.9
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (as CaCO ₃)											
VOLATILE ORGANIC COMPOUNDS											
ACROLEIN	<1.98	ug/L			<1.98	ug/L			3	EPA 624	1.98
ACRYLONITRILE	<1.48				<1.49				3	EPA 624	1.49
BENZENE	<0.5				<0.5				3	EPA 624	0.5
BROMOFORM	<1.04				<1.04				3	EPA 624	1.04
CARBON TETRACHLORIDE	<1.03				<1.03				3	EPA 624	1.03
CHLOROBENZENE	<1.49				<1.49				3	EPA 624	1.49

FACILITY NAME	<i>Birmingham WWTP</i>	PERMIT NO. MO- 0049531	OUTFALL NO.	001
---------------	------------------------	---------------------------	-------------	-----

PART D – EXPANDED EFFLUENT TESTING DATA
16. EXPANDED EFFLUENT TESTING DATA

Complete Once for Each Outfall Discharging Effluent to Waters of the State

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	No. of Samples		
CHLORODIBROMO-METHANE	<0.51	ug/L			<0.51	ug/L			3	EPA 624	0.51
CHLOROETHANE	<0.68				<0.68				3	EPA 624	0.68
2-CHLORO-ETHYL VINYL ETHER	<0.5				<0.5				3	EPA 624	0.5
CHLOROFORM	<1.3				<1.3				3	EPA 624	1.3
DICHLOROBROMO-METHANE	<1.35				<1.35				3	EPA 624	1.35
1,1-DICHLORO-ETHANE	<0.59				<0.59				3	EPA 624	0.59
1,2-DICHLORO-ETHANE	<1.52				<1.52				3	EPA 624	1.52
TRANS-1,2-DICHLOROETHYLENE	<1.43				<1.43				3	EPA 624	1.43
1,1-DICHLORO-ETHYLENE	<1.26				<1.26				3	EPA 624	1.26
1,2-DICHLORO-PROPANE	<0.51				<0.51				3	EPA 624	0.51
1,3-DICHLORO-PROPYLENE	—				—				—	—	—
ETHYLBENZENE	<1.37				<1.37				3	EPA 624	1.37
METHYL BROMIDE	<0.54				<0.54				3	EPA 624	0.54
METHYL CHLORIDE	<0.61				<0.61				3	EPA 624	0.61
METHYLENE CHLORIDE	<1.32				<1.32				3	EPA 624	1.32
1,1,2,2-TETRA-CHLOROETHANE	<0.87				<0.87				3	EPA 624	0.87
TETRACHLORO-ETHANE	<1.38				<1.38				3	EPA 624	1.38
TOLUENE	<1.34				<1.34				3	EPA 624	1.34
1,1,1-TRICHLORO-ETHANE	<1.2				<1.2				3	EPA 624	1.2
1,1,2-TRICHLORO-ETHANE	<0.63				<0.63				3	EPA 624	0.63
TRICHLORETHYLENE	<1.39				<1.39				3	EPA 624	1.39
VINYL CHLORIDE	<1.28				<1.28				3	EPA 624	1.28

ACID-EXTRACTABLE COMPOUNDS

P-CHLORO-M-CRESOL	<2.0	ug/L			<2.0	ug/L			3	EPA 625	2.0
2-CHLOROPHENOL	<2.4				<2.4				3	EPA 625	2.4
2,4-DICHLOROPHENOL	<2.3				<2.3				3	EPA 625	2.3
2,4-DIMETHYLPHENOL	<1.8				<1.8				3	EPA 625	1.8
4,6-DINITRO-O-CRESOL	<2.2				<2.2				3	EPA 625	2.2
2,4-DINITROPHENOL	<2.8				<2.8				3	EPA 625	2.8
2-NITROPHENOL	<1.9				<1.9				3	EPA 625	1.9
4-NITROPHENOL	<0.96				<0.96				3	EPA 625	0.96

FACILITY NAME	<i>Birmingham WWTP</i>	PERMIT NO. MO- 0049531	OUTFALL NO. 001
---------------	------------------------	---------------------------	-----------------

PART D – EXPANDED EFFLUENT TESTING DATA
16. EXPANDED EFFLUENT TESTING DATA

Complete Once for Each Outfall Discharging Effluent to Waters of the State.

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	No. of Samples		
PENTACHLOROPHENOL	<3.4	ug/L			<3.4	ug/L			3	EPA 625	3.4
PHENOL	<0.78				<0.78				3	EPA 625	0.78
2,4,6-TRICHLOROPHENOL	<1.8				<1.8				3	EPA 625	1.8
BASE-NEUTRAL COMPOUNDS											
ACENAPHTHENE	<0.82	ug/L			<0.82	ug/L			3	EPA 625	0.82
ACENAPHTHYLENE	<1.1				<1.1				3	EPA 625	1.1
ANTHRACENE	<0.74				<0.74				3	EPA 625	0.74
BENZIDINE	<1.6				<1.6				3	EPA 625	1.6
BENZO(A)ANTHRACENE	<1.3				<1.3				3	EPA 625	1.3
BENZO(A)PYRENE	<1.5				<1.5				3	EPA 625	1.5
3,4-BENZO-FLUORANTHENE	<1.9				<1.9				3	EPA 625	1.9
BENZO(GH) PHERYLENE	<1.2				<1.2				3	EPA 625	1.2
BENZO(K) FLUORANTHENE	<1.9				<1.9				3	EPA 625	1.9
BIS (2-CHLOROTHIOXY) METHANE	<1.3				<1.3				3	EPA 625	1.3
BIS (2-CHLOROETHYL) – ETHER	<1.5				<1.5				3	EPA 625	1.5
BIS (2-CHLOROISO-PROPYL) ETHER	<1.0				<1.0				3	EPA 625	1.0
BIS (2-ETHYLHEXYL) PHTHALATE	7.64				4.52				3	EPA 625	0.84
4-BROMOPHENYL PHENYL ETHER	<0.86				<0.86				3	EPA 625	0.86
BUTYL BENZYL PHTHALATE	<1.3				<1.3				3	EPA 625	1.3
2-CHLORONAPH-THALENE	<0.69				<0.69				3	EPA 625	0.69
4-CHLORPHENYL PHENYL ETHER	<0.9				<0.9				3	EPA 625	0.9
CHRYSENE	<1.3				<1.3				3	EPA 625	1.3
DI-N-BUTYL PHTHALATE	<1.1				<1.1				3	EPA 625	1.1
DI-N-OCTYL PHTHALATE	<0.74				<0.74				3	EPA 625	0.74
DIBENZO (A,H) ANTHRACENE	<1.7				<1.7				3	EPA 625	1.7
1,2-DICHLORO-BENZENE	<0.94				<0.94				3	EPA 625	0.94
1,3-DICHLORO-BENZENE	<0.58				<0.58				3	EPA 625	0.58
1,4-DICHLORO-BENZENE	<0.58				<0.58				3	EPA 625	0.58
3,3-DICHLORO-BENZIDINE	<1.6				<1.6				3	EPA 625	1.6
DIETHYL PHTHALATE	<0.99				<0.99				3	EPA 625	0.99
DIMETHYL PHTHALATE	<1.4				<1.4				3	EPA 625	1.4

MAKE ADDITIONAL COPIES OF THIS FORM FOR EACH OUTFALL

FACILITY NAME <i>Birmingham WWTP</i>	PERMIT NO. MO- <i>0049531</i>	OUTFALL NO. <i>001</i>
---	----------------------------------	---------------------------

PART E – TOXICITY TESTING DATA
17. TOXICITY TESTING DATA

Refer to the APPLICATION OVERVIEW to determine whether Part E applies to the treatment works.

Publicly owned treatment works, or POTWs, meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points.

- A. POTWs with a design flow rate greater than or equal to 1 million gallons per day
- B. POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403)
- C. POTWs required by the permitting authority to submit data for these parameters
 - At a minimum, these results must include quarterly testing for a 12-month period within the past one year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute or chronic toxicity, depending on the range of receiving water dilution. Do not include information about combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
 - If EPA methods were not used, report the reason for using alternative methods. If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E. If no biomonitoring data is required, do not complete Part E. Refer to the application overview for directions on which other sections of the form to complete.

Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years: 0 chronic 5 acute

Complete the following chart for the last three whole effluent toxicity tests. Allow one column per test. Copy this page if more than three tests are being reported.

	Most Recent	2 ND Most Recent	3 RD Most Recent
A. Test Information			
Test Method Number	<i>EPA 821/R-02/012</i>	<i>Same</i>	<i>Same</i>
Final Report Number	<i>60200322</i>	<i>1415064</i>	<i>1314778</i>
Outfall Number	<i>001</i>	<i>001</i>	<i>001</i>
Dates Sample Collected	<i>8/11/2015</i>	<i>8/26/2014</i>	<i>8/6/2013</i>
Date Test Started	<i>8/12/2015</i>	<i>8/27/2014</i>	<i>8/7/2013</i>
Duration	<i>48 hr</i>	<i>48 hr</i>	<i>48 hr</i>
B. Toxicity Test Methods Followed			
Manual Title	<i>US EPA Manual</i>	<i>Same</i>	<i>Same</i>
Edition Number and Year of Publication	<i>5th Edt. October 2002</i>	<i>Same</i>	<i>Same</i>
Page Number(s)			
C. Sample collection method(s) used. For multiple grab samples, indicate the number of grab samples used			
24-Hour Composite	<i>X</i>	<i>X</i>	<i>X</i>
Grab			
D. Indicate where the sample was taken in relation to disinfection (Check all that apply for each)			
Before Disinfection			
After Disinfection	<i>X</i>	<i>X</i>	<i>X</i>
After Dechlorination			
E. Describe the point in the treatment process at which the sample was collected			
Sample Was Collected:	<i>Final effluent</i>	<i>Final effluent</i>	<i>Final effluent</i>
F. Indicate whether the test was intended to assess chronic toxicity, acute toxicity, or both			
Chronic Toxicity			
Acute Toxicity	<i>X</i>	<i>X</i>	<i>X</i>
G. Provide the type of test performed			
Static	<i>X</i>	<i>X</i>	<i>X</i>
Static-renewal			
Flow-through			
H. Source of dilution water. If laboratory water, specify type; if receiving water, specify source			
Laboratory Water			
Receiving Water	<i>X</i>	<i>X</i>	<i>X</i>

FACILITY NAME Birmingham WWTP	PERMIT NO. MO- 0049531	OUTFALL NO. 001
---	----------------------------------	---------------------------

PART E – TOXICITY TESTING DATA
17. TOXICITY TESTING DATA (continued)

	Most Recent	2 ND Most Recent	3 RD Most Recent
I. Type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.			
Fresh Water	X	X	X
Salt Water			
J. Percentage of effluent used for all concentrations in the test series			
	100%	100%	100%
K. Parameters measured during the test (State whether parameter meets test method specifications)			
pH	7.76	7.4	7.5
Salinity			
Temperature	25.0 (C)	25.0 (C)	24.3 (C)
Ammonia	22.0		
Dissolved Oxygen	6.8	9.0	4.7
L. Test Results			
Acute:			
Percent Survival in 100% Effluent	100/100	100/100	100/100
LC ₅₀	>100%	>25.6%	>40.0%
95% C.I.			
Control Percent Survival	>100%	>100%	>100%
Other (Describe)			
Chronic:			
NOEC			
IC ₂₅			
Control Percent Survival			
Other (Describe)			
M. Quality Control/ Quality Assurance			
Is reference toxicant data available?	Yes	Yes	Yes
Was reference toxicant test within acceptable bounds?	Yes	Yes	Yes
What date was reference toxicant test run (MM/DD/YYYY)?		8/19-21/14	8/7-9/13
Other (Describe)			

Is the treatment works involved in a toxicity reduction evaluation? ☐ Yes ☒ No

If yes, describe:

If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results.

Date Submitted (MM/DD/YYYY) **1/28/2016; 1/28/2015; 1/28/2014**

Summary of Results (See Instructions)

All passed

END OF PART E

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM B2 YOU MUST COMPLETE.

MAKE ADDITIONAL COPIES OF THIS FORM FOR EACH OUTFALL			
FACILITY NAME <i>Birmingham WWTP</i>	PERMIT NO. MO- <i>0049531</i>	OUTFALL NO. <i>001</i>	
PART F – INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES			
Refer to the APPLICATION OVERVIEW to determine whether Part F applies to the treatment works.			
18. GENERAL INFORMATION			
18.1 Does the treatment works have, or is it subject to, an approved pretreatment program? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
18.2 Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of industrial users that discharge to the treatment works: Number of non-categorical SIUs <u>5</u> Number of CIUs <u>3</u>			
19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION			
Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.			
NAME <i>Liberty Hospital</i>			
MAILING ADDRESS <i>2525 Glen Hendren Dr</i>		CITY <i>Liberty</i>	STATE <i>MO</i>
		ZIP <i>64068</i>	
19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge <i>Hospital</i>			
19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge. Principal Product(s): <i>N/A</i> Raw Material(s): <i>Boiler system chemicals, lab chemicals, radiology, pharmacy</i>			
19.3 Flow Rate a. PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent. gpd <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent b. NON-PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent. <i>7,900</i> gpd <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent			
19.4 Pretreatment Standards. Indicate whether the SIU is subject to the following: a. Local Limits <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No b. Categorical Pretreatment Standards <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If subject to categorical pretreatment standards, which category and subcategory? <i>N/A</i>			
19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, describe each episode			

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

Ford Motor Company

MAILING ADDRESS

8121 E US Highway 69

CITY

Kansas City

STATE

MO

ZIP

64119

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge

Motor vehicle assembly using parts manufactured elsewhere.

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): vehicles

Raw Material(s): Caustic soda liquid, ferric chloride, sulfuric acid, calcium chloride, diesel fuel, unleaded gasoline w/ethanol, cathodic e-coat emulsion, NC-2105 windshield washer solvent, DOT 3 brake fluid, transmission fluid, CN 35555 equipment cleaner, CN 31305 purge solvent, CK2010LP Chemkleen, Chemfos 700RCAN, automotive paint, Prestone extended life antifreeze

19.3 Flow Rate

a. **PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

465,000gpd

Continuous

X Intermittent

b. **NON-PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

203,000gpd

X Continuous

Intermittent

19.4 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits

X Yes

No

b. Categorical Pretreatment Standards

X Yes

No

If subject to categorical pretreatment standards, which category and subcategory? 433.15

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes

X No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

Georgia-Pacific Corrugated, II, LLC

MAILING ADDRESS

8600 NE 38th Street

CITY

Kansas City

STATE

MO

ZIP

64161

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge design, manufacture, and sale of corrugated paper containers

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): corrugated paper containers

Raw Material(s): paper, corn starch, flexographic ink, glue, caustic soda, borax, and water

19.4 Flow Rate

a. **PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
9,518 gpd X Continuous Intermittent

b. **NON-PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
1,680 gpd X Continuous Intermittent

19.5 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits X Yes No

b. Categorical Pretreatment Standards Yes X No

If subject to categorical pretreatment standards, which category and subcategory? N/A

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes X No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

Heritage Environmental Services, LLC

MAILING ADDRESS

8525 NE 38th Street

CITY

Kansas City

STATE

MO

ZIP

64161

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge
Treatment, storage, and disposal facility. Commercial wastewater treatment facility.

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): None

Raw Material(s): Wastes from industrial and commercial sources

19.5 Flow Rate

a. **PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
<10,000gpd Continuous X Intermittent

b. **NON-PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
170 gpd X Continuous Intermittent

19.6 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits X Yes No

b. Categorical Pretreatment Standards X Yes No

If subject to categorical pretreatment standards, which category and subcategory? 437.15, 437.25, 437.35

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes X No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

Martin Marietta

MAILING ADDRESS

401 Randolph Road

CITY

Randolph

STATE

MO

ZIP

64161

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge
limestone mining and processing

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): limestone aggregates

Raw Material(s):

19.6 Flow Rate

a. PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
30,000 gpd X Continuous Intermittent

b. NON-PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.
gpd Continuous Intermittent

19.7 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits X Yes No

b. Categorical Pretreatment Standards Yes X No

If subject to categorical pretreatment standards, which category and subcategory? N/A

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes X No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

KTRR Services, Inc.

MAILING ADDRESS

9100 W Liberty Drive

CITY

Pleasant Valley

STATE

MO

ZIP

64068

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge

Transportation maintenance and tank cleaning

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): tank cleaning, maintenance/repairs

Raw Material(s): sulfuric acid, aluminum chloride/sulfate coagulant, clay based flocculants, hydrated lime, polyacrylamide, perlite

19.7 Flow Rate

a. **PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

29,250 gpd ☒ Continuous Intermittent

b. **NON-PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

900 gpd ☒ Continuous Intermittent

19.8 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits ☒ Yes No

b. Categorical Pretreatment Standards ☒ Yes No

If subject to categorical pretreatment standards, which category and subcategory? 442.15

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes ☒ No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

WestRock CP, LLC

MAILING ADDRESS

933 S. Kent Street

CITY

Liberty

STATE

MO

ZIP

64068

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge

Manufacture of corrugated sheet and shipping containers

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): corrugated sheets, corrugated containers

Raw Material(s): rolls of paperboard, hydrated starch, caustic soda (50%), borax, water-based flexo graphic printing inks, water-based coatings, water-based adhesives

19.8 Flow Rate**a. PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.500 gpd Continuous ☒ Intermittent**b. NON-PROCESS WASTEWATER FLOW RATE.** Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.2,000 gpd ☒ Continuous Intermittent**19.9** Pretreatment Standards. Indicate whether the SIU is subject to the following:**a. Local Limits** ☒ Yes No**b. Categorical Pretreatment Standards** Yes ☒ No

If subject to categorical pretreatment standards, which category and subcategory? N/A

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?Yes ☒ No

If Yes, describe each episode

19. INDUSTRIES CONTRIBUTING MORE THAN 5 PERCENT OF THE ACTUAL FLOW TO THE FACILITY OR OTHER SIGNIFICANT INDUSTRIAL USERS INFORMATION

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, provide the information requested for each. Submit additional pages as necessary.

NAME

RR Donnelley

MAILING ADDRESS

3401 Heartland Drive

CITY

Liberty

STATE

MO

ZIP

64068

19.1 Describe all of the industrial processes that affect or contribute to the SIU's discharge

Offset publications (printing and finishing)

19.2 Describe all of the principle processes and raw materials that affect or contribute to the SIU's discharge.

Principal Product(s): books, magazines, printed materials

Raw Material(s): paper, ink, printing plates, fountain solution

19.9 Flow Rate

a. PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

1125 gpd Continuous X Intermittent

b. NON-PROCESS WASTEWATER FLOW RATE. Indicate the average daily volume of non-process wastewater discharged into the collection system in gallons per day, or gpd, and whether the discharge is continuous or intermittent.

6,280 gpd X Continuous Intermittent

19.10 Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local Limits X Yes No

b. Categorical Pretreatment Standards Yes X No

If subject to categorical pretreatment standards, which category and subcategory? N/A

19.5 Problems at the Treatment Works attributed to waste discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes X No

If Yes, describe each episode

MAKE ADDITIONAL COPIES OF THIS FORM FOR EACH OUTFALL

FACILITY NAME

Birmingham WWTP

PERMIT NO.

MO- 0049531

OUTFALL NO.

001

PART F – INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES**20. RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE**

20.1 Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail or dedicated pipe? ☐ Yes ☒ No

20.2 Method by which RCRA waste is received. (Check all that apply)

☐ Truck☐ Rail☐ Dedicated Pipe**20.3 Waste Description**

EPA Hazardous Waste Number

Amount (volume or mass)

Units

21. CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER

21.1 Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities?

☐ Yes☒ No

Provide a list of sites and the requested information for each current and future site.

21.2 Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is expected to originate in the next five years).

21.3 List the hazardous constituents that are received (or are expected to be received). Included data on volume and concentration, if known. (Attach additional sheets if necessary)

21.4 Waste Treatment

a. Is this waste treated (or will it be treated) prior to entering the treatment works?

☐ Yes☐ No

If Yes, describe the treatment (provide information about the removal efficiency):

b. Is the discharge (or will the discharge be) continuous or intermittent?

☐ Continuous☐ Intermittent

If intermittent, describe the discharge schedule:

END OF PART F**REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM B2 YOU MUST COMPLETE.**

MAKE ADDITIONAL COPIES OF THIS FORM FOR EACH OUTFALL

FACILITY NAME

Birmingham WWTP

PERMIT NO.

MO-

0049531

OUTFALL NO.

*001***PART G – COMBINED SEWER SYSTEMS**

Refer to the APPLICATION OVERVIEW to determine whether Part G applies to the treatment works.

22. GENERAL INFORMATION**22.1 System Map.** Provide a map indicating the following: (May be included with basic application information.)

- A. All CSO Discharges.
- B. Sensitive Use Areas Potentially Affected by CSOs. (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems and Outstanding Natural Resource Waters.)
- C. Waters that Support Threatened and Endangered Species Potentially Affected by CSOs.

22.2 System Diagram. Provide a diagram, either in the map provided above or on a separate drawing, of the Combined Sewer Collection System that includes the following information:

- A. Locations of Major Sewer Trunk Lines, Both Combined and Separate Sanitary.
- B. Locations of Points where Separate Sanitary Sewers Feed into the Combined Sewer System.
- C. Locations of In-Line or Off-Line Storage Structures.
- D. Locations of Flow-Regulating Devices.
- E. Locations of Pump Stations.

22.3 Percent of collection system that is combined sewer**22.4** Population served by combined sewer collection system**22.5** Name of any satellite community with combined sewer collection system**23. CSO OUTFALLS. COMPLETE THE FOLLOWING ONCE FOR EACH CSO DISCHARGE POINT****23.1** Description of Outfalla. Outfall Number *No Combined Sewer Outfalls in this WWTP's area of service*

b. Location

c. Distance from Shore (if applicable) _____ ft

d. Depth Below Surface (if applicable) _____ ft

e. Which of the following were monitored during the last year for this CSO?

☐ Rainfall☐ CSO Pollutant Concentrations☐ CSO☐ CSO Flow Volume☐ Receiving Water Quality

f. How many storm events were monitored last year?

23.2 CSO Events

a. Give the Number of CSO Events in the Last Year

Events

☐ Actual☐ Approximate

b.

Give the Average Duration Per CSO Event

Hours

0 CSO Events☐ Actual☐ Approximate

c.

Give the Average Volume Per CSO Event

Million Gallons

☐ Actual☐ Approximate

d. Give the minimum rainfall that caused a CSO event in the last year _____ inches of rainfall

23.3 Description of Receiving Waters

a. Name of Receiving Water

b. Name of Watershed/River/Stream System

c. U.S. Soil Conservation Service 14-Digit Watershed Code (If Known)

d. Name of State Management/River Basin

e. U.S. Geological Survey 8- Digit Hydrologic Cataloging Unit Code (If Known)

23.4 CSO Operations

Describe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or intermittent shellfish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable state water quality standard.)

*No Combined Sewer Outfalls in this WWTP's area of service***END OF PART G****REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM B2 YOU MUST COMPLETE.**

ATTACHMENT 5 – SECTION 445055 BIOSOLIDS HANDLING AND DISPOSAL SPECIFICATION

SECTION 445055

Biosolids Handling and Disposal

PART 1 GENERAL

1.01 1.01 SUMMARY

- A. The Project is at the Birmingham Land Application Site (BLAS) located at 10801 NE 28th Street, Kansas City, MO 64161 adjacent to the Birmingham WWTP. There are five holding cells located at Birmingham WWTP that have an estimated 25,000,000 gallons of sludge that are required to be land applied or otherwise disposed of. Additional sludge from Birmingham generated during the execution of this Project may also be treated as part of this Work. All additional sludge comes to Birmingham WWTP from Blue River WWTP as Class B Biosolids.
- B. The Work to be performed by the Contractor under this section covers complete responsibility for receiving biosolids (sludge), dewatering (if needed), stabilization (if needed), transportation, storage, and off-site land application of Class B Biosolids.
- C. The Work shall be performed for up to two years with up to one (1) two (2) year renewal.
- D. All Equipment & Facilities shall be demolished at the end of the Work and a cleaned site shall be returned to the City.
- E. Base Bid is for Contractor is for the contractor's facilities to be at the BLAS. The BLAS is located in the floodway. Contractor will responsible for any permitting for facilities constructed to facilitate their biosolids activities.

1.02 RELATED SECTIONS:

- 1. None.

1.03 STANDARDS

- A. National Electric Code.
- B. National Fire Protection Association Standards.

1.04 REGULATIONS AND CODES:

- A. The Work of the Section shall comply with all necessary codes.
- B. The Work shall comply with all Regulations including but not limited to those below.
 - 1. State of Missouri Department of Natural Resources Standard Conditions Part III for NPDES Permits issued by the Missouri Department of Natural Resources (MDNR), issued August 1, 2019; any Special Conditions as may be included in the Blue River Wastewater Treatment Plant NPDES permit MO-0024911; Birmingham Wastewater Treatment Plant NPDES Permit MO-0049531; and other applicable rules and regulations limiting or otherwise regulating the processing and land application of Class B Biosolids.

- C. Kansas City Building Code.
- D. Missouri 10 CSR 20-8 Minimum Design Standards.

1.05 SYSTEM DESCRIPTION

- A. Contractor shall be responsible for transporting lagoon biosolids from the storage lagoons to the dewatering and stabilization area, if needed. The City may direct and define an alternate dewatering and stabilization area at the BLAS in the event of unforeseen circumstances. The Contractor may choose where to stage their dewatering and stabilization area, pending City approval. City may direct Contractor to perform dewatering and/or stabilization activities at other KCMO Facilities, if needed.
- B. Contractor shall be responsible for dewatering and stabilizing the biosolids. Contractor will supply an electromagnetic flow meter (magmeter) with five pipe diameters downstream and 10 pipe diameters upstream to account for gallons of biosolids removed from the holding cells. City will have the ability to oversee the installation and operation of the magmeter at any time.
- C. Contractor shall be responsible for determining the methods of biosolids removal, dewatering, stabilization (if necessary to meet regulations), transportation, storage, disposal/reuse of biosolids off-site from the Birmingham Land Application Site (BLAS) which surrounds the Birmingham WWTP. Contractor shall obtain all permits, approvals, and/or contractual agreements required for this Work and shall provide all labor, equipment, tools, and materials, and services necessary to meet all the requirements of the Contract Documents, as needed, unless otherwise specified herein.

1.06 PERFORMANCE REQUIREMENTS

- A. Grab and composite sludge samples collected from the five Birmingham holding cells from August 2020 to June 2021 had an average total solids composition of 5.28%, with a range of 1.0 to 10.9%. Daily values will vary.
- B. Contractor's equipment shall be capable of dewatering sludge at a rate to complete treatment of the 25,000,000 gallons of sludge within the contracted time frame (two years).
- C. Contractor shall NOT store lagoon biosolids on pavement at City Facilities.
- D. Contractor shall be required to move their trucks within 15 minutes when full or as directed by WWTD Staff.
- E. Contractor shall transport lagoon biosolids to the biosolids dewatering area, if needed.
- F. If on-City Property biosolids dewatering and stabilization is utilized, Contractor shall surround their biosolids dewatering area with fencing or permanent markings to demarcate the biosolids dewatering area from the Birmingham WWTP operations area. City may direct Contractor to perform dewatering and/or stabilization activities at other KCMO Facilities, if needed.
- G. Holding cells are in the floodplain. Contractor will follow all applicable requirements and regulations.

- H. The Work shall be performed in accordance with all applicable ordinances, laws, and regulations propagated by local, state, and federal governments.
- I. It is the Contractor's responsibility to determine which federal, state, and local codes/ordinances, federal, state, and local laws, and federal, state, and local regulations are applicable to ensure compliance, including but not limited to Federal 40 CFR Part 503 regulations.

1.07 SUBMITTALS

- A. Contractor shall submit an Operations Plan (Section 1.07 B.), daily records, EPA and MDNR reports, daily logs, pictures and videos, as requested by WWTP Staff and other City Staff. Daily logs shall be provided Monthly. Pictures and Videos shall be provided promptly electronically.
- B. Contractor shall submit an Operations Plan at least 30 days before the planned start of the Work. City's review of the Operations Plan does not relieve the Contractor of full responsibility for meeting all requirements of the Specification or for liability for claims, damages, or problems from the Contractor's Work.
 - The Operations Plan shall include the following:
 - i Table of Contents.
 - ii Location of the Project.
 - iii NPDES Permit Number (MO-0049531) for Birmingham WWTP.
 - iv Contact information for all parties involved in biosolids handling.
 - v Location of biosolids dewatering, stabilization and land application area(s) within the BLAS. Aerial photos with highlighted site property boundaries.
 - vi Biosolids removal plan, including a list of all equipment being used.
 - vii Biosolids transportation plan, including a list of all equipment to be used and travel routes with lists of bridge crossing and their weight limits. Contractor access to the Birmingham WWTP will be via one road only.
 - viii Biosolids land application plan, including a list of all equipment to be used.
 - ix List of all laws and regulations applicable to the work to be performed, Staff job titles to be utilized on the project, along with their roles and responsibilities.
 - x Preventive and reactive measures to be taken for potential problems such as odors, spillage, dust control, mud control, noise, etc.
 - xi Biosolids sampling and analysis plan, including but not limited to collection methods, analyses to be performed, and the location of sampling.
 - xii Plan for soil sampling, including but not limited to collection methods, map of sampling locations, and analyses to be performed.
 - xiii Laboratory contact information and qualifications/certifications for performing the required analyses, including EPA certification.
 - xiv Describe how land application rates will be monitored and calculated.
 - xv Describe how Vector Attraction Reduction (VAR) and Pathogen Attraction Reduction (PAR) requirements will be achieved.
 - xvi Record forms to be used and a list of reports to be generated by Contractor.

- C. Contractor shall be responsible for all analysis, record keeping, and report writing to verify that biosolids disposal practices were in conformance with applicable regulations. Contractor shall develop a daily log form to document the daily work. The forms and recordkeeping methods must be reviewed by Wastewater Treatment Division (WWTD) Operations, Industrial Waste and approved by Engineering Business Unit prior to commencement of Work. Copies of all such records shall be furnished to City and Engineer for each period invoiced.
- D. Contractor shall submit copies of all permits, licenses, and communication with other governmental entities. Other correspondence may be requested by the City (WWTD Operations).
- E. Contractor shall provide forms for land application and compliance with 40 CFR Part 503 to certify that the work was performed in compliance with Part 503 regulations.
- F. Contractor shall provide the City with a sampling schedule, and any updates, to allow observation of the sampling and requests for split samples.
- G. Contractor shall be required to submit biosolids sampling reports. Reports shall include, but not be limited to, name of individual sample, location, number of samples, method of sampling, chain of custody, date of sample, and results of the lab analysis. Sampling Reports shall be submitted with 7 days of land application.
- H. Contractor shall submit all soils sampling reports. Reports shall include but not be limited to name of individual sampling, location, number of samples, method of sampling, chain of custody, date of sample, and results of lab analysis.
- I. Each Week all photos and videos generated by the Contractor shall be submitted electronically to the WWTD Manager or his/her designee.
- J. Contractor shall certify by letter that the equipment to be used for hauling, land applying or otherwise handling biosolids has not been previously used with hazardous wastes. Alternatively, Contractor may send a letter stating the equipment has been used in hauling hazardous water, but the equipment has been decontaminated such that it will not cross-contaminate City's biosolids and render them as a hazardous waste.
- K. Contractor shall supply all required information for state and federal Annual Sludge (biosolids) Reports monthly no later than the 10th of the month for the preceding month. Contractor shall provide prompt assistance in writing portions of the report relevant to their activities. Documentation of training shall be submitted to Owner within 10 days of training.
- L. Contractor shall provide a Spill Prevention, Control and Countermeasures (SPCC) Plan including any required notifications of regulatory agencies. Employee training on the SPCC procedures shall be conducted and documented prior to hauling biosolids and provided to any new employees prior to their starting work on the project.
- M. Quarterly, the contractor shall provide maps of the parcels where biosolids are applied including loading rates and color coding based on limiting chemical specie(s) biosolids application rates.
- N. Contractor shall provide electronic photos of the areas where they will be constructing facilities or utility extensions before beginning Work.

O. Contractor shall provide record drawings of their facilities after their completion.

1.08 UTILITIES

- A. Contractor may connect to existing utilities that have excess capacity, throughout the facility. Contractor to verify with City which utilities will be utilized for the Work and their availability to support the Work.
1. Water hydrants with potable water are available surrounding the lagoons. Contractor can access this water to support this Project; however, all water must be metered and have a backflow preventer. City water used will be metered and subtracted from gallons treated for the purposes of this Project.
- B. Contractor shall include meters for electricity. It is responsibility of the Contractor to verify the location of the utilities.
1. The City can provide a 3-phase, 60 amp disconnect tapped off of the electrical line ran to the lagoon for the barge. This electrical line is supplied by a 200 amp breaker, which can supply power for both, should it be required. Contractor is responsible for providing a transformer and their own 100 amp, 2-phase 120/140 panel, which will require a 45 KVA transformer, unless less than 100 amps is sufficient to power Contractor's planned equipment.
- C. The Contractor shall confirm with the City that their placement of the dewatering and biosolids stabilization facilities is acceptable to the City, if used.

1.09 QUALIFICATIONS:

- A. The work shall be performed by a qualified company who shall have at least five (5) years of experience with dewatering, stabilization and land application of biosolids with at least two (2) projects within the last five (5) years where more than 50 wet tons per day have been processed. Acceptable companies include: Denali, Synagro, Bioset, Nutri-Ject, Veris Environmental, Bio-Nomics, or others meeting the requirements of this paragraph which will require approval by the City.

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 MATERIALS

2.03 MANUFACTURED UNITS

2.04 EQUIPMENT

- A. Contractor shall furnish, operate and maintain all equipment required to complete the Work. City-owned equipment will not be used in the event of Contractor-supplied equipment failure.

2.05 COMPONENTS

PART 3 EXECUTION

3.01 GENERAL

- A. Contractor shall take daily photos of their work areas on BLAS property.
- B. Contractor shall comply with all applicable laws and regulations relating to the safety of persons and property, to the protection of persons and property, and to damage, injuries, or loss. Contractor shall implement and maintain all necessary safeguards for such safety and protection.
- C. Contractor will be responsible for dewatering (if necessary), stabilization (if necessary), and off-site land application of the 25,000,000 gallons of biosolids currently within the five holding cells at the Birmingham WWTP, and additional biosolids generated during the execution of this Project at the rate indicated by WWTD.
- D. If biosolids are not stockpiled, additional dewatering and stabilization is not required.
- E. Trash and grit will be screened out of biosolids to the extent practical by the Contractor.
- F. Contractor shall make provisions to direct filtrate to lagoons and avoid dilution of un-dewatered biosolids.

3.02 COORDINATION

- A. Contractor will notify City (WWTD Staff) 48 hours before the start of on-site operations and 24 hours prior to the end of on-site.
- B. Owner will countersign the gallons removed (metered as described with a magmeter in Section 1.05 B.) on each ticket and the time. Each Ticket will have a copy that will be provided to the Owner.
- C. City has the right to enter the biosolids dewatering and stabilization facilities at any time for any reason.
- D. City has the right to install monitoring equipment in the biosolids dewatering and stabilization facilities.

3.03 BIOSOLIDS TRANSPORTATION

- A. Contractor shall be responsible for determining the methods of transporting the stabilized biosolids to the land application site(s) and/or staging site(s) while ensuring compliance with transportation codes, ordinances, laws, and regulations. This includes coordination with city governments and relevant county governments to determine appropriate haul routes and obtain approval for selected routes. Contractor access to the BLAS will be restricted to one road only.
- B. City must pre-approve the application of biosolids on any parcels within KCMO or within the limits of another City.
- C. CONTRACTOR shall eliminate odor and odor emissions, whenever practical, that migrate from the BLAS transport, storage and application.
- D. Vehicles used for transportation of biosolids must be watertight and have necessary covers to prevent accidental biosolids spillage. Contractor shall have a City (WWTD

Manager) approved spill prevention and contingency plan prior to hauling any biosolids. A paper copy of this plan shall be kept in each vehicle used for transporting biosolids.

3.04 BIOSOLIDS LAND APPLICATION

- A. Contractor shall be responsible for compliance with all federal, state, and location regulations and shall obtain any required permits and approval from regulatory agencies. Contractor shall be responsible for providing all labor, equipment tools, materials, and services necessary for land application. Contractor alone shall be liable for any improper biosolids applications to BLAS or other improper biosolids management activities.
- B. Contractor shall provide calculations and documentation to the satisfaction of the City that all arrangements have been properly made prior to commencement of operations. Documentation shall include, where applicable, but not limited to, copies of permits obtained from authorities, crops to be grown, applications rates, and chemical species used to determine the application rates.
- C. Contractor shall be responsible for completing the appropriate forms for each land application site Contractor shall submit forms to City (WWTD Manager and Birmingham Operations Superintendent) prior to any application of biosolids.
- D. In accordance with federal and state regulations, runoff of biosolids from land application shall not be permitted, including storm water runoff. Contractor shall be responsible for using any necessary means to prevent runoff of biosolids to downstream land, ponds, or waterways. The methods of prevention shall be determined by Contractor and methods shall be provided to the Owner.
- E. Contractor shall cooperate with City in any planning or monitoring activities that are deemed necessary by City or Contractor to ensure proper disposal/reuse of the biosolids and compliance with the 40 CFR 503 regulations and other regulations.

3.05 SITE INSPECTIONS:

- A. City may inspect Contractor's sites at any time and WWTD operations will be provided keys and other equipment necessary to access the Contractor's sites.

3.06 TESTING

- A. Contractor will supply a magmeter with five pipe diameters downstream and 10 pipe diameters upstream to account for gallons of biosolids removed from the holding cells. City will have the ability to oversee the installation and operation of the magmeter at any time.
- B. Contractor shall provide daily total solids analysis of dewatered cake and all total solids tests performed on the dewatered biosolids to WWTD Operations, if applicable.
- C. Contractor shall provide daily total solids analysis of the stabilized product to WWTD Operations, if applicable.
- D. Contractor shall be responsible for all sampling required for reports to EPA and MDNR or by the City. This includes, but is not limited to, daily total solids analysis of the dewatered biosolids/cake, collecting samples of biosolids removed and hauled from

the WWTP, and collecting soil samples for land application requirements. All sampling must be done in accordance with applicable federal and state regulations for biosolids disposal/reuse methods utilized.

- E. City reserves the right to review and approve biosolids sample collection and handling methods.
- F. Contractor shall utilize an independent laboratory that is qualified to perform the analyses requested. Contractor may utilize the KC Water laboratory at standard rates when the lab has available capacity. For all tests, the laboratory must be certified by EPA.

3.07 EQUIPMENT

- A. Contractor shall possess and adequately maintain a large enough and reliable fleet of dewatering and biosolids stabilization equipment and disposal vehicles to properly complete this Project.
- B. Contractor shall furnish, operate and maintain all equipment required to complete the Work. City-owned equipment will not be used in the event of Contractor-supplied equipment failure.
- C. At the end of the Contract, Contractor shall demolish all equipment and facilities located on City Property and return the site to the CITY.

3.08 PROTECTION

- A. Contractor shall be responsible for protecting all stored materials and equipment for the duration of the Contract.

ATTACHMENT 6 – HRD FORMS & INSTRUCTIONS

00440 HRD 5 CONSTRUCTION CONTRACT HRD INSTRUCTIONS

00450 HRD 8 CONTRACTOR UTILIZATION PLAN/REQUEST FOR WAIVER

00450.01 LETTER OF INTENT TO SUBCONTRACT

00460 HRD 10 TIMETABLE FOR MBE/WBE UTILIZATION

00470 HRD 11 REQUEST FOR MODIFICATION OR SUBSTITUTION

00485 HRD MONTHLY REPORTING FORMS

**HRD INSTRUCTIONS
FOR CONSTRUCTION CONTRACTS**

PART A. MINORITY/WOMEN BUSINESS ENTERPRISE REQUIREMENTS

I. City's MBE/WBE Program.

- A. The City has adopted a Minority/Women Business Enterprise ("MBE/WBE") Program (Sections 3-421 through 3-469, Code of Ordinances) (the "Program") to implement the City's policy of supporting the fullest possible participation in City contracts and change orders of firms owned and controlled by minorities and women. Each construction contract may have an MBE and/or WBE goal for participation. An MBE or WBE goal is a numerical objective the City has set for the contract that may be awarded pursuant to these bid specifications. Goals are stated as a percentage of contract dollars. For example, if an MBE goal for a contract is 10% and a Bidder submits a bid of \$100,000, the goal for MBE participation would equal \$10,000. The specific MBE/WBE goals on this contract are set forth elsewhere in the bid specifications.
- B. These Human Relations Department ("HRD") Forms & Instructions are part of the BIDDING DOCUMENTS and CONTRACT DOCUMENTS as defined in the General Conditions. By submitting a Bid, the Bidder agrees, as a material term of the contract, to carry out the City's MBE/WBE Program by making good faith efforts to include certified MBE/WBEs in the contract work to the extent of the goals listed for the contract and to the fullest extent consistent with submitting the lowest and best bid to the City. Bidder agrees that the Program is incorporated into this document and agrees to follow the Program. Although it is not a requirement that a Bidder in fact meet or exceed both the MBE and WBE Goals, it is a requirement for approval of the Bid that a Bidder objectively demonstrate to the City that good faith efforts have been made to meet the Goals. Bidders must attempt to meet both the MBE and WBE goals and request a waiver if either is not met.
- C. The following HRD Forms are attached and must be used for MBE/WBE submittals:
1. Contractor Utilization Plan/Request for Waiver (HRD Form 8); and
 2. Letter of Intent to Subcontract (HRD Form 00450.01); and
 3. Timetable for MBE/WBE Utilization (HRD Form 10); and
 4. Request for Modification or Substitution (HRD Form 11); and
 5. Contractor Affidavit for Final Payment (Form 01290.14); and
 6. Subcontractor Affidavit for Final Payment (Form 01290.15).

Warning: The City only gives MBE/WBE credit for a Bidder's use of City certified MBE/WBEs. A certified MBE/WBE firm is a firm that has been certified by the City's Human Relations Department as such. An MBE/WBE firm must be certified before the date on which the contractor utilization plan is due. Certified MBEs and WBEs are listed in the M/W/DBE Kansas City Mo. Online Directory, which is available on the City's website at www.kcmo.org. Before a Bidder submits a bid, Bidder should contact HRD and consult the directory to make sure any firm proposed for use for MBE/WBE participation has been certified.

II. Required Submissions Following Bid Opening.

A. Bidder must submit the following documents within forty-eight (48) hours of bid opening:

1. **Contractor Utilization Plan/Request for Waiver (HRD Form 8).** This form states a Bidder's plan to use specific certified MBE/WBEs in the performance of the contract and includes the following:
 - a. The work to be performed by each MBE/WBE and the amounts each is to be paid for the work; and
 - b. The name, address, race or ethnic origin, gender and employer identification number or social security number of each MBE/WBE that will perform the work.
 - c. An automatic request for waiver in the event Bidder has not met or exceeded the MBE and/or WBE goals for the contract but believes that it has made good faith efforts to meet or exceed the goals and desires a waiver of the goals. If a waiver is requested, HRD will examine the Bidder's documentation of good faith efforts and make a recommendation to grant or deny the waiver. HRD will recommend a waiver be granted only if the Bidder has made good faith efforts to obtain MBE/WBE participation.
2. **Letter(s) of Intent to Subcontract (HRD Form 00450.01).** A letter must be provided from each MBE/WBE listed on the Contractor Utilization Plan. These letters verify that the MBE/WBE has agreed to execute a formal agreement for the work and indicate the scope of work to be performed and the price agreed upon for the work.

III. Required Submission when Requested by City.

A. Bidder must submit the following documents when requested by City:

1. **Timetable for MBE/WBE Utilization (HRD Form 10).**
2. **Documentation of good faith efforts.**

IV. Required Monthly Submissions during term of Contract.

A. Bidder must submit the following document on a monthly basis if awarded the contract:

1. **M/WBE Monthly Utilization Report.** This report must be submitted to the Director by the 15th of each month. Failure to submit timely reports may result in delays in processing of current and future contract approvals and payment applications. The preferred method of submission of this report is through the B2GNow Diversity Management System (B2GNow) HRD Form 00485.01 may be submitted in lieu of the B2GNow system under certain conditions, with the consent of HRD.

V. Required Submittals for Final Contract Payment.

A. Contractor must submit the following documents with its request for final payment under the contract:

1. **Contractor Affidavit for Final Payment (Form 01290.14)**
2. **Subcontractor Affidavit(s) for Final Payment (Form 01290.15)**

3. **Final B2GNow Monthly Contract Audit Report with all payment audits confirmed.**
- 4.

VI. Additional Submittals.

- A. Contractor may be required to make additional submittals during the term of the Contract, including **Request for Modification or Substitution (HRD Form 11)**. Refer to Section IX, Modification of the Contractor Utilization Plan or Substitution of an MBE/WBE, for additional instructions on when this form must be submitted.

VII. MBE/WBE Participation Credit.

- A. The following shall be credited towards achieving the goals:
 1. The total contract dollar amount that a prime contractor has paid or is obligated to pay to a subcontractor that is a certified MBE or WBE, except as otherwise expressly provided for herein.
 2. The total contract dollar amount that a prime contractor that is a certified MBE or WBE performed itself.
 3. Sixty percent (60%) of the total dollar amount paid or to be paid by a prime contractor to obtain supplies or goods from a supplier who is a certified MBE or WBE.
 4. Ten percent (10%) of the total dollar amount paid or to be paid by a prime contractor to obtain supplies or goods from a supply broker who is a certified MBE or WBE.
 5. One hundred percent (100%) of the total dollar amount paid or to be paid by a prime contractor to a manufacturer of construction supplies who is a certified MBE or WBE.
 6. Subcontractor participation with a lower tier MBE/WBE subcontractor using one of the above methods of participation.
- B. **NO CREDIT**, however, will be given for the following:
 1. Participation in a contract by a MBE or WBE that does not perform a commercially useful function as defined by the Program; and
 2. Any portion of the value of the contract that an MBE or WBE subcontractor subcontracts back to the prime contractor or any other contractor who is not a qualified MBE/WBE; and
 3. Materials and supplies used on the contract unless the MBE/WBE is responsible for negotiating the price, determining quality and quantity, ordering the materials and installing (where applicable) and paying for material itself; and
 4. Work performed by an MBE or WBE in a scope of work other than that in which the MBE or WBE is currently certified.

VIII. Methods for Securing Participation of MBE/WBEs and Good Faith Efforts.

- A. A bidder is required to make good faith efforts to achieve the MBE/WBE goals. Good faith efforts are efforts that, given all relevant circumstances, a Bidder actively and aggressively seeking to meet the goals can reasonably be expected to make. Good faith efforts must be made before the Bidder submits a Contractor Utilization Plan, in other

words, within 48 hours of bid opening. However, efforts made to increase participation of MBEs and WBEs following submission of the CUP can be considered as evidence of good faith efforts to meet the goals.

- B. In evaluating good faith efforts, the Director of HRD will consider whether the Bidder has performed the following, along with any other relevant factors:
1. Advertised for at least 15 calendar days prior to the bid or proposal due date opportunities to participate in the contract in general circulation media, trade and professional association publications, small and minority business media, and publications of minority and women's business organizations which are included in a list along with their current contact information identified on the directory as the list of publications available to publish such advertisements, which list shall be updated by HRD no less than every three (3) month.
 2. Sent written notices at least fifteen (15) calendar days prior to the bid or proposal due date containing the information required in section (9) below, by certified mail, e-mail, or facsimile, to at least 80% of MBEs and WBEs which are included in a list along with their contact information identified on the directory as the list of organizations available to receive such notices, which list shall be updated by HRD no less than every three (3) months.
 3. Sent written notices, containing the information required by section (9) below, by certified mail, e-mail or facsimile, to at least 80% of MBEs and WBEs listed on the directory certified in the applicable scopes of work for the particular bid soliciting their participation in the contract at least 15 calendar days prior to the bid or proposal due date.
 4. Attempted to identify portions of the work for qualified MBE and/or WBE participation in order to increase the likelihood of meeting the goals, including breaking down contracts into economically feasible units that take into consideration the capacity of available MBE/WBEs appearing on the HRD directory.
 5. At any time prior to submission of the CUP or submittal of a request for modification of a CUP, requested assistance in achieving the goals from the director and acted on the director's recommendations.
 6. Conferred with certified MBEs and WBEs which inquired about or responded to the bid solicitation and explained to such MBEs and WBEs the scope and requirements of the work for which their bids or proposals were solicited, and if not all certified MBEs and WBEs in the particular scopes listed on the directory have inquired about or responded to the bid solicitation for each scope of work, then contact by certified mail, e-mail or telephone the greater of ten (10) or 80% of additional certified MBEs and WBEs in the particular scopes of work listed on the directory and offer to confer with such MBEs and WBEs for such particular scope of work and request such MBEs and WBEs to submit a proposal.
 7. Attempted to negotiate in good faith with certified MBEs and WBEs which responded to the bid solicitation or those certified MBEs and WBEs that were conferred with as contemplated in section (6) above, and other qualified MBEs and WBEs, at the option of the bidder, proposer, or contractor, as applicable, to perform specific subcontracts,

- not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities by the bidder, proposer, or contractor; in the event an MBE or WBE is the low bid, but rejected as unqualified, the bidder, proposer, or contractor and the director or board, as applicable, shall provide sound reasons for rejecting such MBE or WBE.
8. Attended pre-bid meeting when such meetings were indicated in the solicitation of bids or otherwise by the bidder, proposer, or contractor, as applicable or by the director provided the director provides written direction to the bidder, proposer, or contractor at the time the goals are recommended.
 9. Written notices and advertisements to be provided pursuant to sections (1), (2) and (3) above shall include the following information:
 - a. The bid due date;
 - b. The name of the project;
 - c. The address or general location of the project;
 - d. The location of plans and specifications for viewing;
 - e. Contact information of the prime contractor;
 - f. A general description of the scopes of work that are the subject of the solicitation;
 - g. The goals established for the applicable contract, and if the goals are still subject to board approval, then a statement that the goals as stated are preliminary and are subject to board approval;
 - h. If the project or any portion of the project is subject to prevailing wage then a statement that all or a portion of the project will be subject to prevailing wage, as applicable; and if only a portion of the scopes are subject to prevailing wage, then identification of such scopes provided that such scopes are known as of the time of bid solicitation;
 - i. The date and time of any pre-bid meeting(s), if any, which have been scheduled by the bidder, proposer, contractor or developer as of the bid solicitation; and

Any other information deemed relevant by the bidder, proposer, contractor or developer, as applicable, or the director to the extent the director provides written direction to the bidder, proposer, contractor or developer of such additional information at the time the goals are recommended by the director. 8. Within five (5) working days after drawing the bid specifications, sent certified letters, verifiable e-mails or proof of facsimiles to certified MBEs and WBEs listed in the M/W/DBE Kansas City Mo. Online Directory.

- C. A Bidder may be required to give the City documentation to prove that it made good faith efforts. The Bidder will be contacted by the City with further instructions about when this documentation must be submitted.

IX. Modification of the Contractor Utilization Plan or Substitution of an MBE/WBE.

- A. After bid opening, a Bidder or Contractor may need to substitute an MBE and/or WBE or

request that the amount of MBE/WBE participation listed in its Contractor Utilization Plan be modified. Bidder or Contractor must file a **Request for Modification or Substitution (HRD Form 11)** prior to actual substitution and within a reasonable time after learning that a modification or substitution is necessary. The Director may approve substitutions or modifications and upon approval, the modifications and substitutions will become an amendment to the Contractor Utilization Plan. Modifications or substitutions may be approved when:

1. The Director finds that the Bidder or Contractor made and provided evidence of good faith efforts to substitute the MBE/WBE listed on the Contractor Utilization Plan with other certified MBE/WBEs for the scope of work or any other scope of work in the contract; and
 2. The Bidder or Contractor has not attempted intentionally to evade the requirements of the program and it is in the best interests of the City to allow a modification or substitution; and
 3. The Director also finds one of the following:
 - a. The listed MBE/WBE is non-responsive or cannot perform; or
 - b. The listed MBE/WBE has increased its previously quoted price to the bidder, proposer or contractor without a corresponding change in the scope of the work; or
 - c. The listed MBE/WBE has committed a material default or breach of its contract with the contractor; or
 - d. Requirements of the scope of work of the contract have changed and render subcontracting not feasible or not feasible at the levels required by the goals established for the contract; or
 - e. The listed MBE/WBE is unacceptable to the contracting department; or
 - f. The listed MBE/WBE thereafter had its certification revoked; or
- B. A modification shall not be made unless the modification or substitution has first been requested and approved by the Director. Once a modification has been made, a Construction Contractor Employee Identification Report (HRD Form 0485.04) for the newly approved subcontractor must be submitted at least ten (10) days prior to the approved subcontractor commencing work on a City contract.

X. Appeals.

- A. In conformance with the Act, appeals may be made to the City Fairness in Construction Board or Fairness in Professional Services and Goods Board on the following:
1. The grant or denial of a Request for Waiver;
 2. Substitution for an MBE/WBE listed on a Contractor Utilization Plan;
 3. Modification of the percentage of MBE/WBE participation on a Contractor Utilization Plan;
 4. Liquidated Damages;

5. The amount of MBE/WBE credit the Contractor may receive for MBE/WBE participation identified in the contractor utilization plan.
- B. Any appeal must be filed in writing with the Director within fifteen (15) calendar days of notice of the determination. Mailing, faxing, personal delivery or posting at HRD of determinations shall constitute notice. The appeal shall state with specificity why the Bidder or Contractor believes the determination is incorrect
- C. Failure to file a timely appeal shall constitute a waiver of a Bidder's or Contractor's right to appeal such determination and such person shall be estopped to deny the validity of any determination which could have been timely appealed.

XI. Access to Documents and Records.

- A. By submitting a Bid, each Bidder agrees to permit the City, its duly authorized agents or employees, access at all reasonable times to all books and business records of Bidder as may be necessary to ascertain compliance with the requirements of this document and the Act, within ten (10) calendar days of the date of the written request.
- B. All Bidders agree to cooperate with the contracting department and HRD in studies and surveys regarding the MBE/WBE program.

XII. Miscellaneous.

- A. A Bidder or Contractor shall bear the burden of proof with regard to all issues on appeal.
- B. In the event of any conflict between this document and the Program, the provisions of the Program shall control. The terms used in this document are defined in the Program.
- C. Oral representations are not binding on the City.
- D. The City Council may waive the requirements of this document and the Program and award the contract to the lowest and best bidder if the City Council determines a waiver is in the best interests of the City.
- E. The Director may grant extensions of time to Bidders to submit Letters of Intent to Subcontract (HRD Form 00450.01).

XIII. Liquidated Damages – MBE/WBE Program.

- A. If Contractor fails to achieve the MBE/WBE goals stated in its Contractor Utilization Plan, as amended, the City will sustain damages, the exact extent of which would be difficult or impossible to ascertain. Therefore, in order to liquidate those damages, the monetary difference between either (1) the amount of the MBE/WBE goals set forth in the Contractor Utilization Plan, as amended, or (2) the goals established (whichever is lower) and the amount actually paid to qualified MBEs and WBEs for performing a commercially useful function will be deducted from the Contractor's payments as liquidated damages. In determining the amount actually paid to qualified MBEs and WBEs, no credit will be given for the portion of participation that was not approved by the Director, unless the Director determines that the Contractor acted in good faith. No deduction for liquidated damages will be made when, for reasons beyond the control of the Contractor, the MBE/WBE participation stated in the Contractor Utilization Plan, as amended and approved by the Director is not met.

CONTRACTOR UTILIZATION PLAN/REQUEST FOR WAIVER

Project Number _____60810108/1661_____

Project Title _____Birmingham WWTP Biosolids Land Application Procurement _____

(Department Project)

Department

(Bidder/Proposer)

STATE OF _____)
) ss
COUNTY OF _____)

I, _____, of lawful age and upon my oath state as follows:

1. This Affidavit is made for the purpose of complying with the provisions of the MBE/WBE submittal requirements on the above project and the MBE/WBE Program and is given on behalf of the Bidder/Proposer listed below. It sets out the Bidder/Proposer's plan to utilize MBE and/or WBE contractors on the project.
2. The project goals are 1 % MBE and 1 % WBE. Bidder/Proposer assures that it will utilize a minimum of the following percentages of MBE/WBE participation in the above project:

BIDDER/PROPOSER PARTICIPATION: _____% MBE _____% WBE

3. The following are the M/WBE subcontractors whose utilization Bidder/Proposer warrants will meet or exceed the above-listed Bidder/Proposer Participation. Bidder/Proposer warrants that it will utilize the M/WBE subcontractors to provide the goods/services described in the applicable Letter(s) of Intent to Subcontract, copies of which shall collectively be deemed incorporated herein). (*All firms must currently be certified by Kansas City, Missouri*)

- a. Name of M/WBE Firm _____
Address _____
Telephone No. _____
I.R.S. No. _____

- b. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
- c. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
- d. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
- e. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
- f. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____

(List additional M/WBEs, if any, on additional page and attach to this form)

4. The following is a breakdown of the percentage of the total contract amount that Bidder/Proposer agrees to pay to each listed M/WBE:

MBE/WBE BREAKDOWN SHEET

MBE FIRMS:

Name of MBE Firm	Supplier/Broker/Contractor	Subcontract Amount*	Weighted Value**	% of Total Contract
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

TOTAL MBE \$ / TOTAL MBE %: \$ _____ %

WBE FIRMS:

Name of WBE Firm	Supplier/Broker/Contractor	Subcontract Amount*	Weighted Value**	% of Total Contract

TOTAL WBE \$ / TOTAL WBE %: \$ _____ %

*“Subcontract Amount” refers to the dollar amount that Bidder/Proposer has agreed to pay each M/WBE subcontractor as of the date of contracting and is indicated here solely for the purpose of calculating the percentage that this sum represents in proportion to the total contract amount. Any contract amendments and/or change orders changing the total contract amount may alter the amount due an M/WBE under their subcontract for purposes of meeting or exceeding the Bidder/Proposer participation.

**“Weighted Value” means the portion of the subcontract amount that will be credited towards meeting the Bidder/Proposer participation. See HRD Forms and Instructions for allowable credit and special instructions for suppliers.

- Bidder/Proposer acknowledges that the monetary amount to be paid each listed M/WBE for their work, and which is approved herein, is an amount corresponding to the percentage of the total contract amount allocable to each listed M/WBE as calculated in the MBE/WBE Breakdown Sheet. Bidder/Proposer further acknowledges that this amount may be higher than the subcontract amount listed therein as change orders and/or amendments changing the total

contract amount may correspondingly increase the amount of compensation due an M/WBE for purposes of meeting or exceeding the Bidder/Proposer participation

6. Bidder/Proposer acknowledges that it is responsible for considering the effect that any change orders and/or amendments changing the total contract amount may have on its ability to meet or exceed the Bidder/Proposer participation. Bidder/Proposer further acknowledges that it is responsible for submitting a Request for Modification or Substitution if it will be unable to meet or exceed the Bidder/Proposer participation set forth herein.
7. If Bidder/Proposer has not achieved both the M/WBE goal(s) set for this Project, Bidder/Proposer hereby requests a waiver of the MBE and/or WBE goal(s) that Bidder/Proposer has failed to achieve
8. Bidder/Proposer will present documentation of its good faith efforts, a narrative summary detailing its efforts and the reasons its efforts were unsuccessful when requested by the City.
9. I hereby certify that I am authorized to make this Affidavit on behalf of the Bidder/Proposer named below and who shall abide by the terms set forth herein:

Bidder/Proposer primary contact: _____

Address: _____

Phone Number: _____

Facsimile number: _____

E-mail Address: _____

By: _____

Title: _____

Date: _____

(Attach corporate seal if applicable)

Subscribed and sworn to before me this _____ day of _____, 20__.

My Commission Expires: _____

Notary Public



LETTER OF INTENT TO SUBCONTRACT

Check one:

Original LOI: ☐

Updated LOI: ☐

Project Name/Title _____

Project Location/Number _____

PART I

Prime Contractor _____ agrees to enter into a contractual agreement with M/W/DBE/Section 3 Subcontractor _____ who will provide the following goods/services in connection with the above-reference contract: [Insert a brief narrative describing goods/services to be provided. Broad Categorizations (e.g., "electrical," "plumbing," etc.) or the listing of NAICS Codes in which M/W/DBE Subcontractor is certified are insufficient and may result in denial of this Letter of Intent to Subcontract.]

for an estimated amount of \$ _____ (or _____ % of the total estimated contract value.)

M/WBE Vendor type: ☐ Subcontractor/manufacturer (counts as 100% of contract value towards goals)
☐ Supplier (counts as 60% of the total dollar amount paid or to be paid by a prime contractor for supplies or goods towards goals)
☐ Broker (counts as 10% of the total dollar amount paid or to be paid by a prime contractor for supplies or goods towards goals)

M/W/DBE/Section 3 Subcontractor is, to the best of Prime Contractor's knowledge, currently certified with the City of Kansas City's Human Relations Department to perform in the capacities indicated herein. Prime Contractor agrees to utilize M/W/DBE Subcontractor in the capacities indicated herein, and M/W/DBE Subcontractor agrees to work on the above-referenced contract in the capacities indicated herein, contingent upon award of the contract to Prime Contractor.

PART 2: This section is to be completed by the M/W/DBE subcontractor listed above. Please attach additional sheets as needed for more than one intended sub-tier contract. **IMPORTANT: Falsification of this document will result in denial and other remedies available under City Code.**

Select one: ☐ The M/W/DBE Subcontractor listed above **IS NOT** subcontracting any portions of the above-stated scope of work(s). (Continue to Part 3.)
☐ The M/W/DBE Subcontractor listed above **IS** subcontracting certain portions of the above stated scope of work(s) to:

(1) Company name: _____

Full address: _____

Street number and name

City, State and Zip Code

Primary contact: _____

Name

Phone

a) This subcontractor is (circle one): MBE WBE DBE N/A

i: If this subcontractor is an M/W/DBE certified with the City of Kansas City, Missouri, a separate Letter of Intent must be attached to this document.

ii. If this subcontractor is NOT a certified M/W/DBE certified with the City of Kansas City, Missouri, the firm must still be listed for reporting purposes but a Letter of Intent is not required.

b) Scope of work to be performed: _____

c) The dollar value of this agreement is: _____

PART 3:

NOTE: SIGNATURES AND NOTARIZATIONS REQUIRED FOR NEW LETTERS OF INTENT (LOI); SIGNATURES ONLY FOR UPDATED LOI (ADDING VALUE TO EXISTING CONTRACT).

PRIME CONTRACTOR BUSINESS NAME: _____

Signature: Prime Contractor

Print Name

Title

Date

State of _____)

County of _____)

I, _____, state that the above and foregoing is based on my best knowledge and belief.

Subscribed and sworn to before me, a notary public, on this
day of _____, 20____

My Commission Expires: _____
Notary Public

STAMP:

MWDBE SUBCONTRACTOR BUSINESS NAME: _____

Signature: Prime Contractor

Print Name

Title

Date

State of _____)

County of _____)

I, _____, state that the above and foregoing is based on my best knowledge and belief.

Subscribed and sworn to before me, a notary public, on this
day of _____, 20____

My Commission Expires: _____
Notary Public

STAMP:

TIMETABLE FOR MBE/WBE UTILIZATION

(This form should be submitted to the City after contract award.)

I, _____, acting in my capacity as _____
(Name) (Position with Firm)
of _____, with the submittal of this Timetable, certify that
(Name of Firm)
the following timetable for MBE/WBE utilization in the fulfillment of this contract is correct and true to the best of my knowledge.

ALLOTTED TIME FOR THE COMPLETION OF THIS CONTRACT

(Check one only)

15 days	_____	75 days	_____	135 days	_____
30 days	_____	90 days	_____	150 days	_____
45 days	_____	105 days	_____	165 days	_____
60 days	_____	120 days	_____	180 days	_____
Other	_____ (Specify)				

Throughout _____ Beginning 1/3 _____
Middle 1/3 _____ Final 1/3 _____
Beginning 1/3 _____% Middle 1/3 _____% Final 1/3 _____%

PLEASE NOTE: Any changes in this timetable require approval of the Human Relations Department in advance of the change.

If you have any questions regarding the completion of this form, please contact the Department of Human Relations at: (816) 513-1818.

(Signature)

(Position with Firm)

(Date)



REQUEST FOR MODIFICATION OR SUBSTITUTION

*(This Form **must** be submitted to HRD to request substitutions for an MBE/WBE listed in the Contractor Utilization Plan or for modification of the amount of MBE/WBE participation listed in the Contractor Utilization Plan. This Form shall be an amendment to the Contractor Utilization Plan.)*

BIDDER/PROPOSER/CONTRACTOR: _____

ADDRESS: _____

PROJECT NUMBER OR TITLE: _____

AMENDMENT/CHANGE ORDER NO: (if applicable) _____

Project Goals:	_____ %	MBE	_____ %	WBE
Contractor Utilization Plan:	_____ %	MBE	_____ %	WBE

1. I am the duly authorized representative of the above Bidder/Contractor/Proposer and am authorized to request this substitution or modification on behalf of the Bidder/Contractor/Proposer.

2. I hereby request that the Director of HRD recommend or approve: (check appropriate space(s))

a. _____ A substitution of the certified MBE/WBE firm _____,
(Name of new firm)
to perform _____,
(Scope of work to be performed by new firm)

for the MBE/WBE firm _____ which is currently
(Name of old firm)
listed on the Bidder's/Contractor's/Proposer's Contractor Utilization Plan to
perform the following scope of work: _____.
(Scope of work of old firm)

b. _____ A modification of the amount of MBE/WBE participation currently listed on the Bidder's/Contractor's/Proposer's Contractor Utilization Plan from
_____ % MBE _____ % WBE (Fill in % of MBE/WBE Participation currently listed on Contractor Utilization Plan)

TO

_____ % MBE _____ % WBE (Fill in New % of MBE/WBE Participation requested for Contractor Utilization Plan)

- c. Attach 00450.01 Letter of Intent to Subcontract letter for each new MBE/WBE to be added.
- d. Attach a copy of the most recent 00485.01 or on-line M/WBE Monthly Utilization Report

3. Bidder/Contractor/Proposer states that a substitution or modification is necessary because: (check applicable reason(s))

___The MBE/WBE listed on the Contractor Utilization Plan is non-responsive or cannot perform.

___The MBE/WBE listed on the Contractor Utilization Plan has increased its previously quoted price without a corresponding change in the scope of work.

___The MBE/WBE listed on the Contractor Utilization Plan has committed a material default or breach of its contract.

___Requirements of the scope of work of the contract have changed and make subcontracting not feasible or not feasible at the levels required by the goals established for the contract.

___The MBE/WBE listed on the Contractor Utilization Plan is unacceptable to the City contracting department.

___Bidder/Contractor/Proposer has not attempted intentionally to evade the requirements of the Act and it is in the best interests of the City to allow a modification or substitution.

4. The following is a narrative summary of the Bidder's/Contractor's/Proposer's good faith efforts exhausted in attempts to substitute the MBE/WBE firm named above which is currently listed on the Contractor Utilization Plan with other qualified, certified MBE/WBE firms for the listed scope of work or any other scope of work in the project:

5. Bidder/Proposer/Contractor will present documentation when requested by the City to evidence its good faith efforts.

Dated:_____

(Bidder/Proposer/Contractor)

By: _____
(Authorized Representative)

ATTACHMENT 7 - BONDS

00430 BID BOND

00610 PERFORMANCE AND MAINTENANCE BOND

00615 PAYMENT BOND



BID BOND

Project Number 60810108/1661

Project Title Birmingham WWTP Biosolids Land Application
Procurement

Bond Number _____

KNOW ALL MEN BY THESE PRESENTS: That _____ of _____, as Principal, and _____ as Surety, hereby bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents unto KANSAS CITY, MISSOURI, a constitutionally chartered municipal corporation, as Obligee, in the sum of _____ Dollars (\$ _____), lawful money of the United States.

WHEREAS, Principal is herewith submitting its Bid to enter into a contract with Kansas City for the above referenced project,

NOW, THEREFORE the condition of this obligation is such that if the Principal is awarded the contract the Principal will, within the time required, enter into a contract and give a good and sufficient surety bonds to secure the performance of the terms and conditions of the contract and for the prompt payment of all labor and material furnished in the prosecution thereof as required by the contract documents, then this obligation shall be void; otherwise the Principal and Surety will immediately pay unto the Obligee the full amount of this bond as liquidated damages for failure to fulfill the conditions of this obligation, but in no event shall the Surety's liability exceed the penal sum hereof.

Signed, sealed and delivered this _____ day of _____.

BIDDER AND PRINCIPAL

Name, address and facsimile number of Bidder and Principal

I hereby certify that I have authority to execute this document on behalf of Bidder and Principal.

By: _____

Title: _____

(Attach corporate seal if applicable)

SURETY

Name, address and facsimile number of Surety:

I hereby certify that (1) I have authority to execute this document on behalf of Surety; (2) Surety has an A.M. Best rating of A- or better; (3) Surety is named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (most current revision) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury; and (4) Surety is duly licensed to issue bonds in the State of Missouri and in the jurisdiction in which the Project is located.

By: _____

Title: _____

Date: _____

(Attach seal and Power of Attorney)



PERFORMANCE AND MAINTENANCE BOND

Project/Contract Numbers 60810108/1661

Project Title Birmingham WWTP Biosolids Land Application
Procurement

KNOW ALL MEN BY THESE PRESENTS: That _____, as
PRINCIPAL (CONTRACTOR), and _____, (SURETY),
licensed to do business as such in the State of Missouri, hereby bind themselves and their respective
heirs, executors, administrators, successors, and assigns unto Kansas City, Missouri, a constitutionally
chartered municipal corporation, (OWNER), as obligee, in the penal sum of
_____ Dollars (\$ _____)
for the payment whereof CONTRACTOR and SURETY bind themselves, their heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

CONTRACTOR has entered into a Contract with OWNER for **Project/Contract Numbers
60810108/1661 Birmingham WWTP Biosolids Land Application**, which Contract, including any
present or future amendment thereto, is incorporated herein by reference and is hereinafter referred to as
the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if CONTRACTOR shall
promptly and faithfully perform said Contract including all duly authorized changes thereto, and including
any maintenance requirements contained therein, according to all the terms thereof, including those
under which CONTRACTOR agrees to pay legally required wage rates including the prevailing hourly rate
of wages in the locality, as determined by the Department of Labor and Industrial Relations or by final
judicial determination, for each craft or type of workman required to execute the Contract and, further,
shall defend, indemnify, and hold harmless OWNER from all damages, including but not limited to,
liquidated damages, loss and expense occasioned by any failure whatsoever of said CONTRACTOR and
SURETY to fully comply with and carry out each and every requirement of the Contract, then this
obligation shall be void; otherwise, it shall remain in full force and effect.

WAIVER. That SURETY, for value received, hereby expressly agrees that no change, extension of time,
alteration or addition to the terms of the Contract or to the Work to be performed thereunder, shall in any
way affect the obligations of this Bond; and it does hereby waive notice of any such change, extension of
time, or alteration or addition to the terms of the Contract or the Work to be performed thereunder.

IN WITNESS WHEREOF, the above parties have executed this instrument the ____ day of
_____, 20__.

CONTRACTOR

Name, address and facsimile number of Contractor

I hereby certify that I have authority to execute
this document on behalf of Contractor.

By: _____
Title: _____

(Attach corporate seal if applicable)

SURETY

Name, address and facsimile number of Surety:

I hereby certify that (1) I have authority to execute this document on behalf of Surety; (2) Surety has an A.M. Best rating of A-, V, or better; (3) Surety is named in the current list of "Companies Holding Certificates of Authority as Acceptable Reinsuring Companies: as published in Circular 570 (most current revision) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury; and (4) Surety is duly licensed to issue bonds in the State of Missouri and in the jurisdiction in which the Project is located.

By: _____

Title: _____

Date: _____

(Attach seal and Power of Attorney)



PAYMENT BOND

Project/Contract Numbers 60810108/1661

Project Title Birmingham WWTP Biosolids Land Application
Procurement

KNOW ALL MEN BY THESE PRESENTS: That _____, as PRINCIPAL (CONTRACTOR), and _____, (SURETY), licensed to do business as such in the State of Missouri, hereby bind themselves and their respective heirs, executors, administrators, successors, and assigns unto Kansas City, Missouri, a constitutionally chartered municipal corporation, (OWNER), as obligee, in the penal sum of _____ Dollars (\$_____) for the payment whereof CONTRACTOR and SURETY bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

CONTRACTOR has entered into a contract with OWNER for **Project/Contract Numbers 60810108/1661 Birmingham WWTP Biosolids Land Application**, which Contract, including any present or future amendment thereto, is incorporated herein by reference and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if in connection with the Contract, including all duly authorized modifications thereto, prompt payment shall be made to all laborers, subcontractors, teamsters, truck drivers, owners or other suppliers or for equipment employed on the job, and other claimants, for all labor performed in such work whether done for CONTRACTOR, a subcontractor, SURETY, a completion contractor or otherwise (at the full wage rates required by any law of the United States or of the State of Missouri, where applicable), for services furnished and consumed, for repairs on machinery, for equipment, tools, materials, lubricants, oil, gasoline, water, gas, power, light, heat, oil, telephone service, grain, hay, feed, coal, coke, groceries and foodstuffs, either consumed, rented, used or reasonably required for use in connection with the construction of the work or in the performance of the Contract and all insurance premiums, both for compensation and for all other kinds of insurance on the work, for sales taxes and for royalties in connection with, or incidental to, the completion of the Contract, in all instances whether the claim be directly against CONTRACTOR, against SURETY or its completion contractor, through a subcontractor or otherwise, and, further, if CONTRACTOR shall defend, indemnify and hold harmless OWNER from all such claims, demands or suits by any such person or entity, then this obligation shall be void; otherwise, it shall remain in full force and effect.

Any conditions legally required to be included in a Payment Bond on this Contract, including but not limited to those set out in §107.170 RSMo. are included herein by reference.

SURETY agrees that, in the event that CONTRACTOR fails to make payment of the obligations covered by this Bond, it will do so and, further, that within forty-five (45) days of receiving, at the address given below, a claim hereunder stating the amount claimed and the basis for the claim in reasonable detail, it (a) will send an answer to the claimant, with a copy to OWNER stating the amounts that are undisputed and the basis for challenging any amounts that are disputed, and (b) will pay any amounts that are undisputed. The amount of this Bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder.

While this Bond is in force, it may be sued on at the instance of any party to whom any such payment is due, in the name of OWNER to the use for such party. OWNER shall not be liable for the payment of any costs or expenses of any such suit.

No suit shall be commenced or pursued hereunder other than in a state court of competent jurisdiction in Jackson, Clay or Platte County, Missouri, or in the United States District Court for the Western District of Missouri.

WAIVER. That SURETY, for value received, hereby expressly agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the Work to be performed thereunder, shall in any way affect the obligations of this Bond; and it does hereby waive notice of any such change, extension of time, or alteration or addition to the terms of the Contract or the Work to be performed thereunder.

IN WITNESS WHEREOF, the above parties have executed this instrument the _____ day of _____, 20____.

CONTRACTOR

Name, address and facsimile number of Contractor

I hereby certify that I have authority to execute this document on behalf of Contractor.

By: _____
Title: _____

(Attach corporate seal if applicable)

SURETY

Name, address and facsimile number of Surety:

I hereby certify that (1) I have authority to execute this document on behalf of Surety; (2) Surety has an A.M. Best rating of A- or better; (3) Surety is named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (most current revision) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury; and(4) Surety is duly licensed to issue bonds in the State of Missouri and in the jurisdiction in which the Project is located.

By: _____
Title: _____
Date: _____

(Attach seal and Power of Attorney)

ATTACHMENT 8 – 00830 WAGE RATE REQUIREMENTS

ANNUAL WAGE ORDER 28

COUNTY – CLAY

WORK TYPE: STATE – BUILDING

DIVISION OF LABOR STANDARDS RULES & REGULATIONS

01290.09 SUBCONTRACTORS AND MAJOR MATERIAL SUPPLIERS LIST

01290.11 DAILY LABOR FORCE REPORT

01290.14 CONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

01290.15 SUBCONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

SECTION 00830

PREVAILING WAGE

1. Annual Wage Order No. 28
2. **0830.03 Division of Labor Standards Rules & Regulations** are incorporated into and made part of this Contract and are available at <http://s1.sos.mo.gov/cmsimages/adrules/csr/current/8csr/8c30-3.pdf>.

Missouri

Division of Labor Standards

WAGE AND HOUR SECTION



MICHAEL L. PARSON, Governor

Annual Wage Order No. 28

Section 024
CLAY COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by

Taylor Burks, Director
Division of Labor Standards

Filed With Secretary of State: _____ **March 10, 2021**

Last Date Objections May Be Filed: **April 8, 2021**

Prepared by Missouri Department of Labor and Industrial Relations

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	\$66.47
Boilermaker	*\$31.11
Bricklayer	\$57.60
Carpenter	\$58.61
Lather	
Linoleum Layer	
Millwright	
Pile Driver	
Cement Mason	\$54.61
Plasterer	
Communications Technician	\$57.45
Electrician (Inside Wireman)	\$64.35
Electrician Outside Lineman	*\$31.11
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Elevator Constructor	*\$31.11
Glazier	*\$31.11
Ironworker	\$64.99
Laborer	\$47.78
General Laborer	
First Semi-Skilled	
Second Semi-Skilled	
Mason	\$53.02
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	
Operating Engineer	\$56.59
Group I	
Group II	
Group III	
Group III-A	
Group IV	
Group V	
Painter	\$49.49
Plumber	\$71.48
Pipe Fitter	
Roofer	\$56.47
Sheet Metal Worker	\$69.52
Sprinkler Fitter	*\$31.11
Truck Driver	*\$31.11
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

*The Division of Labor Standards received less than 1,000 reportable hours for this occupational title.
Public works contracting minimum wage is established for this occupational title using data provided by Missouri
Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

OVERTIME and HOLIDAYS

OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, "**overtime work**" shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

HOLIDAYS

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.



Rules of Department of Labor and Industrial Relations

Division 30—Division of Labor Standards Chapter 3—Prevailing Wage Law Rules

Title	Page
8 CSR 30-3.010 Applicable Wage Rates for Public Works Projects3
8 CSR 30-3.020 Definitions4
8 CSR 30-3.030 Apprentices and Entry-Level Workers4
8 CSR 30-3.040 Classifications of Construction Work5
8 CSR 30-3.050 Posting of Prevailing Wage Rates5
8 CSR 30-3.060 Occupational Titles of Work Descriptions5



Title 8—DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS

Division 30—Division of Labor Standards

Chapter 3—Prevailing Wage Law Rules

8 CSR 30-3.010 Applicable Wage Rates for Public Works Projects

PURPOSE: *This rule sets forth applicable wage requirements relative to work performed by workers on public funded projects.*

(1) All public bodies of Missouri, before advertising for bids or undertaking construction work, must obtain from the department an annual wage order which sets forth the applicable hourly rate of wages (the prevailing wage or the public works contracting minimum wage as provided in section 290.257) in the locality. The rates so determined shall be incorporated in the contract specifications and made a part of those specifications, except that construction contracts of the State Highway and Transportation Commission need not list specific wage rates to apply, but may refer to the wage rates contained in the appropriate General Wage Orders issued by the department, as applicable.

(2) Request for annual wage orders shall be initiated at least ten (10) calendar days before advertisement of the specifications for the contract for which the determination is sought. An exception from this provision will be made by the department only upon a proper showing of extenuating circumstances. The department has prepared and printed Form No. PW-3 for use in making a request. The form may be secured by writing Division of Labor Standards, PO Box 449, Jefferson City, MO 65102 or by visiting the following website: https://labor.mo.gov/sites/labor/files/pubs_for_ms/PW-3-AI.pdf.

(3) A project notification form PW-2 must be filed for each separate project by the public body, except the State Highways and Transportation Commission, which will be furnished prevailing wage determinations under General Wage Orders.

(4) The annual wage order issued by the department contains the current applicable wage rates in the locality at the time the annual wage order is issued. Hours worked during the calendar year are used to set the prevailing wage rates in the annual wage order issued in March of the following year. The department will consider hours submitted for use in its initial determination of the prevailing wage rates to be included in a particular year's wage order only if those hours are

received from a contractor, by either paper submission on a form provided by the department or in electronic format, no later than January 31 of that year. Handwritten submissions will not be accepted. For purposes of submitting reportable hours, the term "contractor" shall include a "subcontractor." The department will not include the following hours in the calculation of the annual wage order:

(A) Hours not readily identifiable as being submitted by a contractor;

(B) Hours worked by federally-registered apprentices or entry-level workers;

(C) Hours worked on residential construction projects.

(5) Section 290.262.8, RSMo, provides that the annual wage order for a particular occupational title may be altered once each year with an incremental increase. A public body shall specify in the call for bids for each contract the applicable hourly rate of wages in the locality for each type of worker as set forth in the annual wage order or any replacement page(s) identifying the annual incremental increase issued by the department for the prevailing hourly rate of wages. The wage rates attached to, and made a part of, the call for bids for a contract shall remain in effect for the duration of that particular contract.

(6) It should be understood by all interested parties that the certified applicable wage rates determined by the department are minimum wage rates. The contractor may not pay less than the applicable wage rates determined by the department for the project or contract awarded to him/her as set forth in the proposal on which s/he submitted his/her bid. Employees are free to bargain for a higher rate of pay and employers are free to pay a higher rate of pay.

(7) Each month the successful bid contractors shall submit certified copies of their current payrolls to the contracting public body. The public body, upon receipt of the payrolls on a project, shall keep the payrolls on file for a period of one (1) year from the date of submission of the final payrolls by the contractor. Payroll records shall set out accurately and completely, for each individual, the following information which shall be specifically recorded by occupational title classification and type of worker (journeyman, entry-level worker, or federally-registered apprentice): name and address of each worker, rate of pay, daily and weekly number of hours worked, deduction made, and actual wages paid. The payroll records shall be available at all times for inspection by authorized representatives of the Department of Labor and Industrial Relations.

(8) The public body shall make examinations of the payrolls and other records of each contractor or subcontractor as may be necessary to assure compliance with the provisions of the law. In connection with those examinations, particular attention should be given to the correctness of classifications and any disproportionate employment of any workers. The examinations shall be of a frequency that may be necessary to assure conformity with the provisions of the law. An examination shall be made after the project has been substantially completed but prior to the acceptance of the affidavit as required by section 290.290, RSMo. If any violation of sections 290.210–290.580, RSMo, is discovered by the inspecting public body, it is their duty under section 290.250, RSMo, to withhold and retain from payments to the contractor all sums and amounts due and owing as a result of any violation. Any violation shall be immediately reported to the Division of Labor Standards at PO Box 449, Jefferson City, MO 65102 or by telephone or electronically.

AUTHORITY: *section 290.240.2, RSMo Supp. 2018.* Original rule filed Dec. 18, 1975, effective Dec. 28, 1975. Amended: Filed July 24, 1984, effective Nov. 11, 1984. Amended: Filed Aug. 24, 1990, effective April 29, 1991. Emergency amendment filed Sept. 15, 1994, effective Sept. 25, 1994, expired Jan. 13, 1995. Emergency amendment filed Dec. 9, 1994, effective Jan. 14, 1995, expired May 13, 1995. Emergency amendment filed May 1, 1995, effective May 14, 1995, expired Sept. 10, 1995. Amended: Filed May 1, 1995, effective Aug. 30, 1995. Amended: Filed July 17, 1995, effective Jan. 30, 1996. Amended: Filed March 27, 2000, effective Oct. 30, 2000. Amended: Filed Nov. 9, 2000, effective May 30, 2001. Emergency amendment filed Nov. 10, 2015, effective Nov. 20, 2015, expired May 17, 2016. Amended: Filed Nov. 10, 2015, effective April 30, 2016. Emergency amendment filed Nov. 21, 2018, effective Dec. 1, 2018, expired May 29, 2019. Amended: Filed Nov. 21, 2018, effective July 30, 2019.*

**Original authority: 290.240, RSMo 1957, amended 1969, 2018.*

Woodman Engineering Company v. Butler, 442 SW2d 83 (Mo. App. 1969). The function of reviewing court in prevailing wage cases is to decide if the determination of the commission was authorized by law and was supported by competent and substantial evidence upon the whole record. A decision clearly contrary to the evidence should be set aside. However, all pertinent evidence and factors must be considered in determining the applicable prevailing wage.



City of Joplin v. Industrial Commission of Missouri, 329 SW2d 687 (Mo. En Banc 1959). Administrative agencies do not have authority to determine constitutionality of legislation. Determination of prevailing wage earnings by commission must be based upon all current relevant factors.

8 CSR 30-3.020 Definitions

PURPOSE: This rule sets forth the definition of certain terms for purposes of issuance and use of annual and general wage orders under the Prevailing Wage Law, sections 290.210–290.580, RSMo and the rules in this chapter.

(1) The term construction of public works generally includes construction activity as distinguished from manufacturing, furnishing of materials or servicing and maintenance work. The term includes, without limitation, the construction of buildings, structures and improvements of all types, such as bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, canals, dredging, shoring, rehabilitation and reactivation of plants, scaffolding, drilling, blasting, excavating, clearing and landscaping. The manufacture or furnishing of materials, articles, supplies or equipment is not construction of public works within the meaning of the Prevailing Wage Law unless conducted in connection with and at the site of construction. The term construction of public works also means all work done in the construction or development of a public works project, including without limitation, altering, remodeling, demolishing existing structures, installation on the site of the construction of items fabricated off-site, painting and decorating, the transporting of materials and supplies to or from the site of the construction by the employees of the construction contractor or construction subcontractor, and the manufacturing or furnishing of materials, articles, supplies or equipment on the site of the construction by persons employed by the contractor or subcontractor.

(2) The term site of the building or construction job means the physical place(s) where the public works are to be constructed, and also means other adjacent or nearby property used by the contractor or subcontractor in that construction which can reasonably be said to be included in the site. Except as otherwise provided in this section, fabrication plants, mobile factories, batch plants, borrow pits, job headquarters, tool yards and the like, are part of the site of the building or construction job provided they are dedicated in a

substantial degree to the performance of the public works project, and are so located in proximity to the actual construction location that it would be reasonable to include them. The dedication of seventy-five percent (75%) or more of the output of a fabrication plant, batch plant and the like, to the public works project raises a rebuttable presumption that the facility is part of the site of the building or construction job. The presumption may be rebutted by evidence showing that the facility was established for other legitimate commercial purposes that make the facility useful well after the public works project has been completed. Not included in the site of the building or construction job are permanent home offices, branch plant establishments, fabrication plants and tool yards of a contractor or subcontractor whose location and continuance in operation are determined wholly without regard to a particular public works project. In addition, fabrication plants, batch plants, borrow pits, job headquarters, tool yards and the like, of a commercial supplier or materialman which are established by a supplier of materials for the project before opening of bids and not on the project site are not included in the site of the building or construction job. The permanent, previously established facilities are not a part of the site of the building or construction job, even where the operations for a period of time may be dedicated exclusively, or nearly so, to the performance of a public works project.

AUTHORITY: section 290.240, RSMo 1994.* Original rule filed Aug. 24, 1990, effective April 29, 1991. Amended: Filed July 17, 1995, effective Jan. 30, 1996.

*Original authority: 290.240, RSMo 1957, amended 1959.

8 CSR 30-3.030 Apprentices and Entry-Level Workers

PURPOSE: This rule sets forth the requirements for the payment of wages to apprentices and entry-level workers employed on public works subject to the Prevailing Wage Law.

PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material.

The entire text of the rule is printed here.

(1) Journeymen's rate of pay shall be paid to all workers employed on public works construction except entry-level workers or apprentices registered and participating in apprentice programs registered with the United States Department of Labor, Employment and Training Administration; and apprentices registered and participating in programs certified by the Secretary of the United States Department of Transportation as promoting equal opportunity in connection with federal-aid highway construction programs. Such workers shall be paid not less than fifty percent (50%) of the applicable wage rate for a journeyman worker under the appropriate occupational title for a specific locality. In calculating the applicable wage rate for a journeyman worker, fringe benefits shall be included.

(2) As set forth in section 290.235, "on-the-job training workers" are defined as follows:

(A) "Federally-registered apprentices" – Workers participating in programs administered by the United States Department of Labor and subject to their specific requirements (See 29 U.S.C. section 50 and 29 C.F.R. 29) and workers participating in programs administered by the United States Department of Transportation and subject to their specific requirements. (See 23 U.S.C. section 113 and 23 C.F.R. 230); and

(B) "Entry-level workers"—Any worker who is not a journeyman and who is not otherwise enrolled in a federally-registered apprenticeship program but is participating in an on-the-job training program provided by the contractor for whom they perform work on a public construction project.

(3) Workers employed on federal-aid highway construction projects may be paid at an apprentice rate of pay if enrolled in an apprenticeship or skill training program which has been certified by the Secretary of the United States Department of Transportation pursuant to 23 U.S.C. 113. In the event the Secretary of Transportation withdraws approval of a program, the contractor will no longer be permitted to pay workers less than the applicable predetermined rate for the work performed until an acceptable program is approved.

AUTHORITY: section 290.240, RSMo Supp. 2018.* Original rule filed Aug. 24, 1990, effective April 29, 1991. Amended: Filed July 17, 1995, effective Jan. 30, 1996. Emergency amendment filed Nov. 21, 2018, effective Dec. 1, 2018, expired May 29, 2019. Amended:



Filed Nov. 21, 2018, effective July 30, 2019.

*Original authority: 290.240, RSMo 1957, amended 1969, 2018.

8 CSR 30-3.040 Classifications of Construction Work

PURPOSE: The Department of Labor and Industrial Relations has the responsibility under section 290.260, RSMo to determine the prevailing hourly rate of wages to be paid to workers engaged in work of a similar character. This rule establishes classifications of construction work for the department to use in determining the prevailing hourly rate of wages for work of a similar character.

(1) All public works construction, for which the prevailing hourly rate of wages or the public works contracting minimum wage of workers are to be determined, shall be classified as either—

- (A) Building construction; or
- (B) Highway and heavy construction.

(2) Building construction shall mean the following:

(A) Building structures, including modification, additions or repairs, or both, to be used for shelter, protection, comfort, convenience, entertainment or recreation, or for protection of people or equipment;

(B) Buildings at an airport project, such as terminal buildings, freight buildings, and any other construction necessary for the operation of the airport facilities;

(C) Stadiums, athletic fields, dressing rooms, bleachers, and all other buildings needed in connection with an athletic or entertainment facility;

(D) Entire buildings that are built above-ground in connection with highway, subway, or tunnel projects, such as tool stations or housing for mechanical equipment;

(E) Excavation for the building itself, including backfilling inside and outside the building;

(F) Storm and sanitary sewers inside the building and to the curb line;

(G) Work in connection with telephone, electrical, water, oil, gas, or fuel lines, or other utility or communication lines inside a building and to the curb line;

(H) Sidewalks other than those that are poured in connection with a street or road project;

(I) Driveways that are built to serve a building;

(J) Parking lots connected to a building and all structures built as parking facilities;

(K) Retaining walls built in conjunction

with a building project;

(L) Demolition of a building(s) as part of the site preparation for new building construction;

(M) Landscaping of building sites or the planting of all shrubbery that is incidental to building construction as defined in section (2); and

(N) Work on water and wastewater treatment plants within the fence line.

(3) Highway and heavy construction shall mean the following:

(A) Work in connection with roads, streets, parkways, alleys and highways including, but not limited to, grading, paving, curbing, signs, fences, guard rails, bridges, lighting, retaining walls, and landscaping;

(B) Work on viaducts, overpasses, underpasses, drainage projects, aqueducts, irrigation projects, flood control projects, reclamation projects, reservoir filtration and supply projects, water power, duct lines, distribution lines, pipe lines, locks, dikes, levees, revetments projects, excluding work specifically defined as building construction;

(C) Work in connection with underground construction on tunnels and shafts;

(D) Railroad work in its entirety, including elevated railroads;

(E) Main and side sewers;

(F) Work in connection with airports, such as runways, roads, and streets, but excluding that which is listed as building construction;

(G) Work in connection with telephone, electrical, water, oil, gas, or fuel lines, or any other utility or communication lines from the curb line;

(H) Sidewalks when poured incidental to a street or road project;

(I) Parking lots not incidental to a building construction project; and

(J) Demolition of all buildings as part of site preparation for any highway and heavy construction as is otherwise defined in section (3).

AUTHORITY: section 290.240, RSMo Supp. 2018.* Original rule filed Aug. 24, 1990, effective April 29, 1991. Amended: Filed July 17, 1995, effective Jan. 30, 1996. Emergency amendment filed Nov. 21, 2018, effective Dec. 1, 2018, expired May 29, 2019. Amended: Filed Nov. 21, 2018, effective July 30, 2019.

*Original authority: 290.240, RSMo 1957, amended 1969, 2018.

8 CSR 30-3.050 Posting of Prevailing Wage Rates

PURPOSE: This rule sets forth the require-

ments for the posting of prevailing wage rates on public works projects subject to the Prevailing Wage Law.

(1) Contractors and subcontractors engaged in public works projects shall post the applicable hourly rate of wages (the prevailing wage or the public works contracting minimum wage as provided in section 290.257, excluding rates on projects for which the engineer's estimate or the bid accepted by the public body for the total project cost is less than seventy-five thousand dollars (\$75,000)) in a dry, accessible place within the field office at the site of the building or construction job. On public works projects for which no field office is needed or established, such as road construction, sewer lines, pipelines, and the like, a contractor/subcontractor may post the applicable hourly rates of wages at the contractor/subcontractor's local office or batch plant, so long as the contractor/subcontractor provides a copy of the prevailing hourly wage rates to any worker upon request. Applicable hourly wage rates must be posted and maintained in a clearly legible condition for the duration of the public works project as provided by law.

AUTHORITY: section 290.240, RSMo Supp. 2018.* Original rule filed Aug. 24, 1990, effective April 29, 1991. Emergency amendment filed Nov. 21, 2018, effective Dec. 1, 2018, expired May 29, 2019. Amended: Filed Nov. 21, 2018, effective July 30, 2019.

*Original authority: 290.240, RSMo 1957, amended 1969, 2018.

8 CSR 30-3.060 Occupational Titles of Work Descriptions

PURPOSE: The Department of Labor and Industrial Relations is required to determine the prevailing hourly rate of wages to be paid to each worker engaged in construction on a public works project, relative to the type of work performed by each worker. This rule describes by occupational title the type of work performed in the construction of a public works project in Missouri and sets forth the procedures to be followed in identifying each occupational title utilized on a public works project.

(1) Each occupational title defines by name the type of work performed in the construction of a public works project. The description of work designated for a particular occupational title is not intended to be jurisdictional in scope or nature, and is not to be construed as limiting or prohibiting workers from engaging in construction work falling within



several occupational titles.

(2) Each occupational title of work description shall be based upon the particular nature of the work performed, with consideration given to those trades, occupations or work generally considered within the construction industry as constituting a distinct classification of work. In determining occupational titles and scope of work definitions, the department shall consider the following:

(A) Collective bargaining agreements;

(B) *Dictionary of Occupational Titles*, as published by the United States Department of Labor; and

(C) Opinions of experts from organized labor and the opinions of contractors and contractor associations as they relate to the custom and usage applicable to the construction industry in Missouri.

(3) Interested parties who wish to submit wage information to be used in establishing the prevailing hourly rate of wages for a particular class or type of work are required to identify the work according to the applicable occupational title of work description set forth in this rule. Hours of work reported by a contractor or subcontractor to the department shall not be used to establish the prevailing hourly rate of wages if the party submitting the hours of work fails to identify the work under one of the occupational titles included in section 290.257.

(4) Any question as to the proper classification of work should be resolved before the work in question is commenced. Interested parties are encouraged to contact the Prevailing Wage Section of the Division of Labor Standards for an interpretation of these rules and for a determination of the appropriate occupational title of work description, relative to the class or type of work to be performed.

(5) The occupational titles and work descriptions for each type or class of work contained herein are valid throughout the entire state of Missouri. Through an objection to a wage order, an interested party may assert that any given description of work, as stated within this rule, does not apply to a specific occupational title(s) and that a different work description should apply to that occupational title(s). The interested party shall have the burden of proving by a preponderance of the evidence the inapplicability of the description of work within that particular occupational title, but shall be afforded the opportunity to do so in a hearing on an objection to the wage order before the Labor and Industrial Relations Commission.

(6) Occupational titles of work descriptions may be obtained from the department by written request to the director of the Division of Labor Standards, PO Box 449, Jefferson City, MO 65102 or by visiting the following website: <https://labor.mo.gov/DLS/PrevailingWage/pwContractors>.

(7) The occupational titles of work descriptions set forth here are as follows:

(A) Asbestos Worker—Applies to workers who apply insulation materials to mechanical systems to reduce loss or absorption of heat, prevent moisture condensation, and to deaden sound and prevent vibration. The workers remove all insulation materials from mechanical systems unless the mechanical system is being scrapped. The work falling within this occupational title of work description includes:

1. The preparation, including the building of enclosures and hanging polyurethane, and physical distribution on the job site of asbestos, cork, plastic, magnesite or similar materials, or other materials used as a substitute, and used as thermal insulation. The manufacture, fabrication, assembling, molding, handling, erection, spraying, pouring, making, hanging, application, adjusting, alteration, repairing, dismantling, reconditioning, corrosion control, and testing of heat or frost insulation, such as asbestos, cork, mineral wall, infusorial earth, mercerized silk, flax, fiber, fire felt, asbestos paper, asbestos curtain, asbestos millboard, fibrous glass, foam glass, styrofoam, polyurethane, polystyrene, metals, plastics, fibrous matter, roving, and resins, and the erection of scaffolding up to fourteen feet (14'), working platform;

2. The covering, including encapsulation, of boilers, tanks, refrigeration units, evaporators, turbines, fittings, valves, ducts, flues, vats, equipment, hot and cold pipes, or any other hot or cold surfaces with the insulation materials listed in this rule, used for the purpose of thermal insulation, fire stoppage, fireproofing, radiator protection, sound deadeners, and the lagging (covering) on piping; and

3. The removal of all insulation materials from mechanical systems, unless the mechanical system is being scrapped, whether they contain asbestos or not (pipes, boilers, ducts, flues, breechings). All cleanup required in connection with this work, shall include the sealing, labeling, and dropping of scrap material into the appropriate containers. (After drop, final disposal is considered to be the class or type of work falling within the occupational title of work description for second semiskilled laborer.);

(B) Boilermaker—Applies to workers who assemble, erect, and repair boilers, tanks,

vats, and pressure vessels according to blueprint specifications, using handtools, portable power tools, and equipment. The work falling within this occupational title of work description includes:

1. Locating and marking of reference points for columns on plates or foundations, using master straightedge, squares, transit, and measuring tape;

2. Using rigging or cranes to lift parts to specified positions;

3. Aligning structures or plate sections, using plumb bobs, levels, wedges, dogs, or turnbuckles;

4. Drilling, reaming, chipping, caulking, and grinding of structures and sections and bolting or welding them together;

5. Setting of drums and headers and installation of tubes;

6. Cleaning up as necessary in connection with this work; and

7. Riveting, acetylene burning, rigging, fitting-up, impact machine operating, unloading and handling of material and equipment where power equipment and rigging are required;

(C) Bricklayers—Applies to workers who prepare, lay, set, bed, point, patch, grout, caulk, cut, fit, plumb, align, level, anchor, bolt, or weld brick, stone masonry, precast aggregate panels, and all types of artificial or imitation masonry. Also, the workers install expansion joint materials in brick, stone masonry, precast aggregate panels, and all types of artificial or imitation masonry. The work falling within this occupational title of work description includes:

1. The unloading of brick, stone masonry, precast aggregate panels, and all types of artificial or imitation masonry where power equipment and rigging are required;

2. The masonry paving and rip-rapping of all types, with or without mortar;

3. The reinforcing of masonry, including placing, tying, and setting of rods;

4. The application of insulation systems and materials, and air and/or vapor barrier systems and materials, by spray, trowel, roller, adhesive, or mechanically fastened in or to all masonry walls;

5. The caulking of abutting masonry openings in masonry walls, expansion joints, and false joints in all types of masonry;

6. The waterproofing of all types of masonry, which shall include installation and application of air and/or vapor barrier systems and materials by spray, trowel, roller, adhesive, or mechanically fastened; and

7. The cleaning, tuckpointing, sandblasting, steam cleaning, and Guniting work on all types of masonry;

(D) Carpenter (which shall include pile driver, millwright, lather, and linoleum layer)—Applies to workers who construct,



erect, install, and repair structures, structural members and fixtures made of wood, plywood, wallboard, and materials that take the place of wood, such as plastic, metals, composites, fiberglass, and Transit sheeting and Cemesto Board, using carpenter hand tools and power tools. The work falling within this occupational title of work description includes:

1. General Carpenter.

A. The layout of buildings or structures on the site or plot. The installation of aluminum expansion joints for buildings and bridge structure as well as concrete strike-off machines.

B. The making and setting of all concrete forms (except curb forms on heavy construction), including establishment of building lines or flow lines (box culverts, bridges) including footing forms. The making of all forms used in tilt-up construction. The layout, installation, and construction for wall forms and footing forms, all block-outs, wood or steel, layout, and installation of all embedded items.

C. The building and handling of scaffolds used by carpenters to work from. All scaffolding, constructed or assembled, fourteen feet six inches (14'6") and higher for normal or specialty use—regardless of purpose.

D. The building of rough wooden structures, such as concrete forms, scaffolds, wooden bridges, trestles, coffer dams, tunnel and sewer support, welding and burning.

E. The selection of specified type of lumber or other materials. Prepare layout, using rule, framing square, and calipers. Mark cutting and assembling lines on materials, using pencil, chalk, and marking gauge. Shape materials to prescribed measurements, using saws, chisels, and planes. Assemble, cut, and shape materials and fasten them together with nails, dowel pins, or glue. Erect framework for structures. Verify trueness of structure with plumb bob and carpenter's level. Apply decorative paneling to walls.

F. The installation of ladders, handrails, walkways, platforms, and gangways made of wood as well as shoring and lagging. Install doors and wood and metal windows and bucks, including hardware (bucks are rough frames in which finished frames are inserted) in building framework and brace them with boards nailed to framework. Install pallet racks and metal shelving. Install subflooring in buildings. Install insulation such as batt, board, safing, thermal, styrofoam, sound attenuation, fiberglass when the installation of the insulation material is not being applied as an integral part of the roofing system. Nail plaster grounds (wood or metal strips) to studding. Fit and nail sheathing on outer walls and roofs on

buildings. Install beams and trusses of wood laminate.

G. The making, handling, and setting of all frames, sash, blinds, trim, and other fixtures (for example, cabinets, bookcases, and benches), when made of wood or any wood substitute. The handling and assembly of chairs, seats, bleachers, and benches and other furniture in theaters, halls, schools, and other places of assemblage on floors of any kind. Install protection screens, chalk boards, toilet partitions (plastic laminate, solid plastic). Caulking of fixtures and countertops including Corian tub and shower enclosures.

H. The installation of wood and metal studs and exterior panels.

I. The handling, cutting, sawing, fitting of drywall (sheetrock), and lead-lined drywall whether for walls, ceilings, floors, soffits, or any use, no matter how installed—nailed, screwed, glued, or otherwise (interior, exterior). Lead-lined drywall is used in X rays to avoid radiation exposure. Install corner guards and wooden and plastic column covers.

J. The handling and installation of acoustical and egg crate ceiling systems in its entirety (hanger wire, grid, molding, tile) whether vertically or horizontally installed.

K. The installation of all builders hardware, including door tracks of every description. The installation of all weather strips. The making, fitting, and hanging of fly screens for doors, windows, and other openings.

L. Installation of wood and hollow metal doors, rollup garage doors, overhead doors or rolling fire doors, automatic doors, channel iron door bucks, glass sliding, and bi-fold doors.

M. The installation of access flooring, computer floors, and raised or elevated floors. Install modular headwall units and laboratory casework and fume hoods;

2. Pile Driver—The work falling within the occupational title of work description for pile driver includes:

A. The handling, layout, driving, cutting, and splicing of wood, metal, or concrete piling regardless of purpose (for example, sheets, I-beams, pile caps, and welding to piling);

B. The assembly, disassembly, and rigging of the pile driving equipment; and

C. The conduct of underwater diving that is incidental to pile driving work;

3. Millwright—Applies to workers who design, build, or repair mills or mill machinery; hoist, dismantle, erect, assemble, line, and adjust all machines used in the transmission of power in buildings, factories or elsewhere; unload machines used in the transmission of power in buildings, factories, or elsewhere, where power equipment and rigging

are required. The work falling within this occupational title of work description includes: the setting of all classes of engines, direct drive motors, dynamos, turbines, generators, and air compressors and pumps. The assembling, setting, and packing of all compressors and pumps. The placing of all pulleys, sheaves, and fly wheels on the listed equipment. The making and setting of all templates and bolts for all machinery requiring same. Drypacking for sole plates. Installation of truck and railroad scales. Installation of trash compactors. Installation of all types of conveyors. The cutting and threading of all bolts. The handling and operating of all acetylene and devices for heating, welding, and cutting when used in connection with millwright work;

4. Lather—Applies to workers who erect horizontal metal framework to which laths are fastened, using nails, bolts, studgun, or a combination of these, drills holes in floor and ceiling, and drives ends of wooden or metal studs into holes to provide anchor for furring or rockboard laths. The occupational title of lather applies to workers who nail, clip, or fasten, all types of wood, wire, and metal laths, plasterboard, wallboard, rockboard, gypsum, sheetrock, and acoustical materials which take the place of same to walls, ceilings, and partitions of buildings to provide supporting base for plaster, fireproofing, or acoustical material. The occupational title of work description for lather applies to workers who erect all metal plastering accessories which are covered or serve as ground, or both, guard, stock, or screed for plaster materials, including wire mesh. The work falling within the occupational title of work description includes:

A. The installing of carrying bars and purlins (pieces of horizontal timber), light iron, and metal furring (thin strips of wood or metal to create air space) of all descriptions, such as rods, channels, flat iron, T-bar, H-bar, and other ceiling bars or systems for the receipt of lath and board;

B. The wiring of plasterer channels to overhead structural framework to provide support for plaster or acoustical ceiling tile; and

C. The nailing of plaster grounds (wood or metal strips) to studding to provide a guide for those workers performing work falling within the occupational title of work description for plasterer;

5. Linoleum Layer—Applies to workers who measure, cut, sew, make-up and seam, tape, fit, lay, and install and seal and wax materials to be cemented, tacked, or otherwise applied to its base, wherever it may be. These materials may be used as shock-absorbing, sound-absorbing, or decorative coverings. With the exception of terrazzo,



magnesite, and latex built-up floors, the materials include oil cloth, matting, linen, carpet, synthetic turf, linoleum, vinyl, plastic, rubber, cork, mastic, asphalt, mastipave, tile, wood tile, interlocking and magnetic tile, chalk and bulletin board, nonslip or abrasive materials, resilient, decorative seamless surface coatings, monolithic coverings (monolithic shall mean all resilient seamless material such as epoxy, polyethylene, plastics and their derivatives, components and systems), and all other resilient coverings on floors, walls, counters, table tops, and ceilings. The work falling within the occupational title of work description includes:

A. The handling of materials at the point of installation;

B. The performing of all necessary preparation and finish work, such as sweeping, scraping, sanding, or chipping dirt and irregularities from base surfaces and filling cracks with putty, plaster, or cement grout to form smooth, clean foundations, drilling holes for sockets and pins;

C. The installing of underlayment, sanding and filling, fitting of metal edgings, metal corners, and caps and fitting devices for attachment of these materials;

D. The spreading of adhesive cement over floor to cement foundation material to the floor;

E. The laying of covering on cement; and

F. The rolling of finished floor to smooth it out and press cement into base and covering;

(E) Cement Mason (which shall include plasterer)—The work falling within this occupational title of work description includes:

1. Cement Mason - Applies to workers who perform work on concrete where finishing tools are used.

A. The setting of screeds, the rodding (buildings), shaping, smoothing, and finishing of the surfaces of freshly poured concrete floors, walls, sidewalks, curbs, steps, and stairways, the finishing of extruded barrier rails or any other concrete surface requiring finishing, using hand tools or power tools, including floats, trowels, screeds, and straightedge.

B. The removing of rough or defective spots from concrete surfaces, using grinder or chisel and hammer and patching holes with fresh concrete or epoxy compound preparatory to sacking.

C. The molding of expansion joints and edges, using edging tools, jointers, and straightedge.

D. The application of penetrating sealer and primer protective coatings to concrete floors and steps when part of the finishing process.

E. The installation of seamless com-

position floors and the installation and finishing of epoxy-based coatings or polyester-based linings to all surfaces, when the coatings or linings are applied by spraying or troweling.

F. The sandblasting or water blasting for architectural finish or preparatory to patching.

G. The cutting of joints with concrete saw for the control of cracks in buildings and sidewalks, driveways, and curbs and gutters contiguous to buildings.

H. The setting of concrete curb, gutter, and sidewalk forms one (1) board high up to twelve inches (12");

2. Plasterer - Applies to workers who apply gypsum, Portland cement, stucco, imitation stone, and kindred materials and products to interior walls, ceilings, and partitions and to exterior walls of buildings, and finish those materials and products.

A. The spreading of plaster over laths, masonry, or any other base, using trowel, and smoothing the plaster with darby and float for uniform thickness;

B. The application of the various manufacturers' brand names of thin coat or plaster veneer;

C. The application of all bonding agents and mastic;

D. The roughing of undercoat with wire or metal scraper to provide bond for succeeding coat of plaster;

E. The application of all malleable plastic materials and epoxy materials;

F. The setting in place of plaster-board, insulation board, styrofoam and bead-board, ground, locks, patent dots, cork plates, brownstone and acoustical tile, fiberglass reinforcement and finished products;

G. The plastering of joints, nail holes, and bruises on wallboard;

H. The grouting and filling of door bucks, runners, and similar installations, in conjunction with plastering operations;

I. The application of scratchcoat, browncoat, and finish coat of plaster to wood, metal or board laths successively to all ceilings and walls when finished with terrazzo or tile, and the application of any plastic material to same;

J. The fireproofing of all building assemblies with plaster materials, sprayed fiberglass or similar materials, whether applied to gypsum, metal lath, or directly;

K. The application of crushed stone, marble, or ceramic chips and broken glass where embedded in plaster, or similar materials;

L. The placing of acoustic blocks with any plastic material, regardless of thickness;

M. The placing, by any method, of plaster or composition caps and ornaments;

N. The creating of decorative textures in finish coat by marking surface of coat with brush and trowel or by spattering it with small stones (stucco) where plastering equipment or materials, or both, are used; and

O. The operation and control of all types of plastering machines, including power trowels and floats;

(F) Communications Technician—Applies to workers who install, inspect, repair, and service electronic and telecommunication systems. The work falling within the occupational title of Communication (Electronic/Telecommunication) Technician includes:

1. Installing, repairing, and servicing of radio, television, and recording systems and devices; systems for paging, intercommunication, public address, wired music, clocks, security and surveillance systems, and mobile radio systems; fire alarm and burglar alarm systems;

2. Wiring of low-voltage surface wiring and wiring in nonmetallic conduits and incidental shielded metallic conduit runs of no longer than ten feet (10') nor larger than one inch (1") when required in conjunction with the work listed in this rule;

3. Installing, repairing, servicing, or a combination of these, of the Main Distribution Frame (MDF) where the permanent outside lines entering a building terminate and where the subscriber's line multiple cabling and trunk multiple cabling originate. It is usually located on the ground floor of a building;

4. Installing, repairing, servicing, or a combination of these, of the Intermediate Distribution Frames (IDF), which provides flexibility in allocating the subscriber's number to the line unit or equipment in the office that is to be associated with the particular line. These frames are located on each floor of a building;

5. Installing, repairing, servicing, or a combination of these, of the subpanels (blocks). The subpanels are connecting devices where large feed cables terminate at the distribution frames;

6. Installing, repairing common equipment or key service unit, or a combination of these. This equipment consists of a back-board assembly and an equipment mounting frame, which are utilized for connecting external telephones;

7. Installing, repairing, servicing of the instruments, terminals, and sets, or a combination of these. This equipment is at either end of a circuit, or at a subscriber's or user's terminal;

8. Installing, repairing, servicing, or a combination of these, of the ancillary or add-on equipment such as bells, buzzers,



speakerphones, headsets, automatic dialers, recorders; and

9. Installing, repairing, servicing of the telephone cable, or a combination of these. Telephone cable includes: network channel service cable; riser cables between floors of a building; distribution cables installed on each floor of a building in the floor or the ceiling, and inside wires between the telephone and the connection to the distribution cable;

(G) Electrician—Applies to workers who are responsible for installation, assembly, construction, inspection, operation, and repair of all electrical work within the property lines of any given property (manufacturing plants, commercial buildings, schools, hospitals, power plants, parking lots). This scope of work shall begin at the secondary site of the transformer when the transformer is furnished by the local utility and the service conductors are installed underground. When service conductors are installed overhead in open air from wooden poles, this scope of work shall start immediately after the first point of attachment to the buildings or structures. The work falling within this occupational title of work description includes:

1. Planning and layout of electrical systems that provide power and lighting in all structures. This includes cathodic protection systems utilized to protect structural steel in buildings and parking structures;

2. All handling, moving, loading, and unloading of any electrical materials, materials used in association with an electrical system, electrical equipment, and electrical apparatus on the job site, whether by hand or where power equipment and rigging are required;

3. Welding, burning, brazing, bending, drilling, and shaping of all copper, silver, aluminum, angle iron, and brackets to be used in connection with the installation and erection of electrical wiring and equipment;

4. Measuring, cutting, bending, threading, forming, assembling, and installing of all electrical raceways (conduit, wireways, cable trays), using tools, such as hacksaw, pipe threader, power saw, and conduit bender;

5. Installing wire in raceways (conduit, wireways, troughs, cable trays). This wire may be service conductors, feeder wiring, subfeeder wiring, branch circuit wiring;

6. Chasing and channeling necessary to complete any electrical work, including the fabrication and installation of duct banks and manholes incidental to electrical, electronic, data, fiber optic, and telecommunication installation;

7. Splicing wires by stripping insulation from terminal leads with knife or pliers, twisting or soldering wires together, and applying tape or terminal caps;

8. Installing and modifying of lighting fixtures. This includes athletic field lighting when installed on stadium structures or supports other than wooden poles, or both;

9. Installing and modifying of all electrical/fiber optic equipment (AC-DC motors, variable frequency drives, transformers, reactors, capacitors, motor generators, emergency generators, UPS equipment, data processing systems, and annunciator systems where sound is not a part thereof);

10. Installing of raceway systems utilizing conduit, conduit bodies, junction boxes, and device boxes for switches and receptacles. This also may include wiring systems utilizing other methods and materials approved by the *National Electrical Code* (MC cable, AC cable, BX, or flexible metal tubing or electrical nonmetallic tubing);

11. Installing of main service equipment, distribution panels, subpanels, branch circuit panels, motor starters, disconnect switches, and all other related items;

12. Installing and wiring of instrumentation and control devices as they pertain to heating, ventilating, air conditioning (HVAC) temperature control and energy management systems, building automation systems, and electrically or fiber optic operated fire/smoke detection systems where other building functions or systems are controlled;

13. Installing conduit or other raceway greater than ten feet (10') when used for the following: fire alarm systems, security systems, sound systems, closed circuit television systems or cable television systems, or any system requiring mechanical protection or metallic shielding (telephone systems);

14. Testing continuity of circuit to insure electrical compatibility and safety of components. This includes installation, inspecting, and testing of all grounding systems including those systems designed for lighting protection; and

15. Removing electrical systems, fixtures, conduit, wiring, equipment, equipment supports, or materials involved in the transmission and distribution of electricity within the parameters of the building property line if reuse of any of the existing electrical system is required. This may include the demolition and removal and disposal of the electrical system;

(H) Elevator Constructor—Applies to workers who assemble and install electric and hydraulic freight and passenger elevators, escalators, dumbwaiters, and moving walks. The work falling within this occupational title of work description includes:

1. The handling, unloading, and hoisting of all equipment to be assembled or installed by workers performing work within this occupational title of work description,

from the time that equipment arrives at, or near the building site;

2. The wrecking or dismantling of elevator plants, to include elevators, escalators, dumbwaiters, moving walks, and all other equipment to be reused and assembled or installed by workers performing work within this occupational title of work description;

3. The sinking, drilling, boring, digging cylinder wells, or backfilling for hydraulic lifts, hydraulic elevators, or screw lifts;

4. The layout, erecting and assembling of all elevator equipment (for example, electric, hydraulic, steam, belt, compressed air, and hand-powered elevators; dumbwaiters, residence elevators, parking garage elevators), and the assembly of all escalators, moving walks and link belt carriers;

5. The erecting and assembly of all theater stage and curtain equipment and guides and rigging to them, organ consoles, and orchestra elevators;

6. The installing of all wiring, conduit, and raceways from the first point of attachment of main feeder terminals on the controller to other apparatus and operating circuits;

7. The operating of temporary cars; and

8. The installing of all elevator enclosures, fronts, fascias, sills, frames, and bucks;

(I) Glazier—Applies to workers who select, cut, prepare, handle, install, or remove all window glass, plate, and all other types of glass, including structural glass, mirror glass, tempered and laminated glass, safety or protection glass, all types of insulating glass units, all plastics or other similar materials when used in place of glass and when set or glazed with putty, moulding rubber, cement, lead, and all types of mastic, or other materials used in place of same. The workers performing work within this occupational title of work description install these materials in windows, louvers, doors, partitions, skylights, and on building fronts, walls, ceilings and tables, whether the materials are set in wood, stone, cement, or metal of all types. The work falling within the occupational title of work description includes:

1. The installing of mirrors of all types;

2. The marking of an outline or pattern on glass and cut glass with a glasscutter;

3. The breaking off of excess glass by hand or with a notched tool;

4. The fastening of glass panes into wood sash with glazier's points, and the spreading smooth of putty around the edge of panes with a knife to seal joints;

5. The installing of metal window and door frames into which glass panels are to be fitted or sliding windows. The bolting of metal hinges, handles, locks, and other hardware to prefabricated glass doors;



6. The installing of mirror or structural glass on building fronts, walls, ceilings or tables, using mastic, screws, or decorative moulding;

7. The installing of metal-framed glass enclosures for showers, bathtubs, and skylights; and

8. The installing, cutting, and removal of all window glass, plate, and all other types of glass, including structural glass, mirror glass, tempered and laminated glass, safety or protection glass, all types of insulating glass units, all plastics or other similar materials when used in place of glass and when set or glazed with putty, molding rubber, cement, lead, and all types of mastic, or other materials used in place of same;

(J) Ironworker—Applies to workers who perform work in connection with field fabrication, erection, or both, installation, removal, wrecking, and dismantling of structural, architectural, and reinforcing iron and steel, ornamental lead, bronze, brass, copper, and aluminum, and plastics or other materials when used in place of them. The work falling within the occupational title of work description includes:

1. Structural. The unloading, erecting, bolting-up, plumbing-up, welding, and installing of structural steel, including any field fabrication;

2. Reinforcing. The unloading, carrying, placing, and tying of all concrete reinforcing, such as re-bar, wire mesh, expanded metal or post tensioning cable (including the tension process) or prestress cables when installed on the job site;

3. Rigging. The unloading, moving, handling, placing, and setting of electrical machinery and equipment when rigging or power equipment, or both, is used (with the exception of setting of electric motors). The assembly and erection of radio and television and other structural steel towers (with the exception of electrical transmission towers). The unloading, handling, moving, and placing of machinery to be assembled or dismantled, erected, or installed to its approximate position (over the anchor bolts);

4. Windows. The installation of metal windows (with the exception of store fronts display windows), curtain walls, and metal panels. The caulking of metal-to-metal joints and metal-to-brick;

5. Doors. The erection of curtain type doors (overhead rolling-type doors), heavy industrial doors when made of metal, fire doors, and exterior metal hinged doors that carry a fire underwriters label are erected by iron workers;

6. Sheeting and decking. The installation of sheeting which is attached to metal framework including metal floor decking;

7. Metal buildings. The erection and

installation of structural steel and sheet metal packaged buildings when they come in a package unit, such as Butler, Delta, Varco Prudent, or other name brand packaged buildings. The installation of all doors, windows, and insulation (when installed in conjunction with sheeting) in the packaged buildings. The installation of metal siding and metal roof decking, regardless of the fastening method or the object to which it is fastened;

8. Elevators. The installation of elevator doors for gates manually operated and all elevator enclosures, fronts, fascias, sills, frames, and bucks;

9. Precast. The unloading and installation/erection of precast bridge girders, single T's, double T's, top panels, and tilt-up slabs; and

10. Other. The installation of all catwalks, stairways, and hand rails made of aluminum, bronze, or any type of metal, glass or plastic. The installation of ornamental iron, such as revolving doors, gates, handrails, window grills, jail and cell work, and chain link fences. The installation of dry storage bins, hoppers, chutes, and conveyors where sand ore, coal, or any dry component is stored or transferred. The erection, installation, removal, wrecking, and dismantling of bridges, viaducts, cableways, tramway, mono-rail transportation systems. The erection, installation, removal, wrecking, and dismantling of locks, gates, metal forms, railings (including pipe). The erection, installation, removal, wrecking, and dismantling of frames in support of boilers. The installation of metal siding and metal roof decking, regardless of the fastening method, or the object to which it is fastened. The handling, burning, welding, and tying of all materials used to reinforce concrete structures. The installation and erection of TV and microwave towers, self-supporting towers, or guy towers. The installation of metal guardrails with metal posts and highway signage;

(K) General Laborer (including first semi-skilled laborer and second semi-skilled laborer)—Consists of providing routine manual labor. This work encompasses several sub-classifications, with the title and work description considered in light of whether the public works project pertains to building construction or heavy/highway construction.

1. Building construction. The subtitles falling within the occupational title of work description for laborer, as applicable to building construction, are as follows:

A. Laborer. The work falling within this subtitle of work description includes:

(I) Being included in one (1) of the following categories: flagmen, heaters, material plant man, carpenter tender, landscaper, signalman, wrecker (old/new structures),

form handler, or posthole digger;

(II) Cleaning and clearing of all debris for all crafts, loading and unloading, conveying, distributing, construction material by hand and collecting and hoisting debris, backfilling, grading, and landscaping by hand;

(III) Covering of tanks, structures, and material piles with tarpaulins or other materials. Cleaning of masonry and other type walls and windows. Signaling and hoisting concrete buckets and for all other material handled by workers falling within the occupational title of work description for laborer;

(IV) Providing drinking water. Handling and cleaning of concrete chutes. Cleaning of concrete spills and chipping where hand tools are required. Performance of work necessary in remedying defects in concrete caused by leakage, bulging, sagging, or shifting of forms when finishing tools are not used. Jackhammer and paving breaker, air compressors, motor buggies, pumps (removal of water), except set-up men and nozzle men, chipping tool operator, concrete mixer operator (up to and including two- (2-) bag capacity); and

(V) Laying nonpressurized pipe for downspout drain lines, header lines, or laying of nonpressurized conduit, or a combination of these, for the carrying of storm water, waste, sewage, gravity flow lines, catch basins and manholes, effluent lines, originating outside the building and all those lines originating inside the building at the first Y, T, or connection outside the building;

B. First semiskill laborer. The work falling within this subtitle of work description includes: hod-carriers, plasterers, and cement mason tenders (who assist bricklayers, plasterers, and cement masons). The mixing, packing, wheeling, and tempering of mortar and fire clay. The mixing, handling and conveying of all other materials used by bricklayers, plasterers, and cement masons (for example, brick, tile, stone and cast stone), whether done by hand or using a forklift (walk behind or similar types). Building of scaffolds, trestles, boxes, and swinging staging for bricklayers, plasterers, and cement masons; and

C. Second semiskill laborer. The work falling within this subtitle of work description includes: concrete pump set-up men and nozzle men, tile layers and bottom men, on sewers and drains, cutting torch, and burning bar (demolition), trench, or pier holes twelve feet (12') or over, wagon drill, air track or any mechanical drill, powder man, tamper, one hundred pounds (100 lbs.) or over, laborers working for mechanical and electric contractors (including but not limited to digging of all trenches, ditches, holes, paving of concrete, and cleaning of all trash),



paving breaker, jackhammer and vibrator, laser beam man for sewer, grade checker for roads and railroads, asbestos removal (except mechanical systems that are not being scrapped and any type of roofing where the roof is to be relaid), hazardous waste removal, disposal work, or any combination of these.

2. Heavy/highway construction. The subtitle falling within the occupational title of work description for general laborer, as applicable to heavy/highway construction, are as follows:

A. Laborer. The work falling within this subtitle of work description includes: carpenters tenders, salamander tenders, dump man, ticket takers, flagman, loading trucks under bins, hoppers and conveyors, track men, cement handler, dump man on earth fill, Georgia buggy man, material batch hopper man, spreader on asphalt machine, material mixer man (except on man holes), coffer dams, riprap pavers—rock, block, or brick, signal man for materials handled by laborers, scaffolds over ten feet (10') not self-supported from ground up, skipman on concrete paving, wire mesh setters on concrete paving, work in connection with non-pressurized pipelines, such as nonpressurized sewer, water, gas, gasoline, oil, drainage pipe, conduit pipe, tile, and duct lines and other nonpressurized pipelines; power tool operator; work performed by hand in connection with hydraulic or general dredging operations, form setters (curb and gutter), puddlers (paving only), straw blower nozzle man, asphalt plant platform man, chuck tender, crusher feeder, men handling creosote ties or creosote materials, men working with and handling epoxy material(s), topper of standing trees, feeder man on wood pulverizers, board and willow mat weavers and cable tiers on river work, deck hands, guardrail and temporary signs, pile dike and revetment work, all laborers working on underground tunnels less than twenty-five feet (25') where compressed air is not used, abutment and pier hole men working six feet (6') or more below ground, men working in coffer dams for bridge piers and footings in the river, Barca tamper, Jackson or any other similar tamp, cutting torch man, liners, curb, gutters, ditchliners, hot mastic kettelman, hot tar applicator, hand blade operators and mortar men on brick or block manholes, rubbing concrete, air tool operator under sixty-five pounds (65 lbs.), caulker and led man, chain or concrete saw under fifteen horsepower (15 HP). The unloading, handling, and carrying of concrete reinforcing bars, by hand, to the areas in which they are used, wrecking, stripping, dismantling, cleaning, moving, and oiling of all concrete forms; digging and laying sewer tile; and

B. Skilled laborer. The work falling within this subtitle of work description includes: vibrator man, asphalt raker, head pipe layer on sewer work, batterboard man on pipe and ditch work, cliff scalers working from Bosun's chairs, scaffolds, or platforms on dams or power plants over ten feet (10') high, air tool operator over sixty-five pounds (65 lbs.), stringline man on concrete paving and the like, sandblast man, laser beam man, wagon drill, churn drill, air track drill, and all other similar type drills, jackhammers, and other pneumatic hammers and tampers, Gunit nozzle man, pressure grout man, screed man on asphalt, concrete saw fifteen (15) HP and over, grade checker, stringline man on electronic grade control, manhole builder, dynamite man, powder man, welder, tunnel man waterblaster—one thousand pounds per square inch (1000 psi) over, asbestos (except mechanical systems that are not being scrapped), hazardous waste removal, disposal, or any combination of these;

(L) Mason (which shall include marble mason, marble finisher, terrazzo worker, terrazzo finisher, tile setter, and tile finisher).

1. Marble Mason-Terrazzo Worker—The work falling within the occupational title of work description for Marble Mason-Terrazzo Worker includes:

A. The installing of marble, mosaic, venetian enamel, and terrazzo; the cutting and assembling of mosaics and art ceramics; the casting of all terrazzo on the job site; all rolling of terrazzo work;

B. The preparing, cutting, layering, or setting of metal, composition, or wooden strips and grounds on all bedding above concrete floors or walls; and the laying and cutting of metal, strips, lath, or other reinforcement, where used in terrazzo work;

C. The installing of cement terrazzo, magnesite terrazzo, dex-o-tex terrazzo, epoxy matrix terrazzo, exposed aggregate. Rustic or rough wash of exterior or interior of buildings. The mixing or applying of any other kind of mixtures of plastics composed of chips or granules of marble, granite, blue stone, enamel, mother of pearl, quartz ceramic colored quartz, and all other kinds of chips or granules when mixed with cement, rubber, neoprene, vinyl, magnesium chloride, or any other resinous or chemical substances used for seamless flooring systems. The applying of binding materials when used on walls, floors, ceilings, stairs, saddles, or any other part of the interior or exterior of the building, or other work not considered a part of the building such as fountains, swimming pools;

D. The finishing of cement floors where additional aggregate of stone is added by spreading or sprinkling on top of the fin-

ished base and troweled or rolled into the finish and then the surface ground by grinding machines (When no additional stone aggregate is added to the finished mixture, even though the surface may be ground, the work falls within the occupational title of work description for cement masons.); and

E. The carving, cutting, and setting of all marble, slate, including slate backboards, stone, alabaster, carrara, sanionyx, vitrolite, and similar opaque glass, scagliola, marble-ithic, and all artificial, imitation, or case marble of whatever thickness or dimension. This shall apply to all interior work, such as sanitary, decorative, and other purposes inside of buildings of every description wherever required, including all polish, honed, or sand finish.

2. Marble Finisher—The work falling within the occupational title of work description for Marble Finisher includes:

A. The preparation of floors and/or walls by scraping, sweeping, grinding, and related methods to prepare surface for Marble Mason installation of construction materials on floor and/or walls; the movement of marble installation materials, tools, machines, and work devices to work areas; the erection of scaffolding and related installation structures;

B. The movement of marble slabs for installation; the drilling of holes and the chiseling of channels in edges of marble slabs to install wall anchors, using power drill and chisel; the securing of marble anchors to studding, using and covering ends of anchors with plaster to secure anchors in place;

C. The supply and mixture of construction materials for Marble Mason; the mixture of grout, as required, following standard formulas and using manual or machine mixing methods; the application of grout to installed marble; the movement of mixed mortar or plaster to installation area, manually or using wheelbarrow;

D. The removal of excess grout, using wet sponge; the cleaning of installed marble surfaces, work and storage areas, installation tools, machinery, and work aids, using water and cleaning agents;

E. The modification of mixing, material moving, grouting, polishing, and cleaning metal pieces, using a torch, spatula, and heat sensitive adhesive and filler;

F. The removal of marble installation materials and related debris from immediate work area; the storing of marble, installation material tools, machines, and related items; and

G. The provision of assistance to Marble Mason with the following tasks: bending or forming of wire to form metal anchors, using pliers; inserting anchors into holes of marble slab; securing anchors in



place with wooden stakes and plaster; selecting marble slab for installation following numbered sequences or drawings; grinding and polishing marble, using abrasives, chemical and/or manual, in machine grinding and/or polishing techniques, under Marble Mason's direction; the moving and positioning of marble.

3. Terrazzo Finisher—The work falling within the occupational title of work description for Terrazzo Finisher includes:

A. The preparation of floors and/or walls by scraping, sweeping, grinding, and related methods to prepare surface for Terrazzo Worker installation of construction materials on floors, base, and/or walls; the moving of terrazzo installation materials, tools, machines, and work devices to area, manually or using wheelbarrow;

B. The supply and mixture of construction materials for Terrazzo Worker; the preparation, mixture by hand, mixture by mixing machine, or transportation of pre-mixed materials and the distribution with shovel, rake, hoe, or pail, of all kinds of concrete foundations necessary for mosaic and terrazzo work; the dumping of mixed materials that form base or top surface of terrazzo into prepared installation site, using wheelbarrow; the measuring of designated amounts of ingredients for terrazzo or grout, using graduated containers and scale, following standard formulas and specifications, and the loading of portable mixer using proper means of transport; the mixture of materials according to experience and requests from Terrazzo Worker;

C. The spreading of marble chips or other material over fresh terrazzo surface and the pressing of the material into terrazzo by use of a roller; the application of grout finishes to surfaces of installed terrazzo; the spreading of grout across terrazzo to finish surface imperfections, using trowel; the installation of grinding stones in power grinders, using hand tools; the fine grinding and polishing of the surface of terrazzo, when grout has set, using power grinders; the application of curing agent to installed terrazzo to promote even curing, using brush or sprayer; the cutting of grooves in terrazzo stairs, using power grinder, and the filling of grooves with nonskid material;

D. The modification of mixing, grouting, grinding, and cleaning position and the securing of moisture membrane and wire mesh prior to pouring base materials for terrazzo installation;

E. The washing of the surface of polished terrazzo, using cleaner and water, and the application of sealer, according to manufacturer specifications, using brush; the cleaning of the installation site, and storage areas, tools, machines, and equipment; the

removal of Terrazzo Worker materials and related debris from immediate work area; and

F. The provision of assistance to Terrazzo Worker with the following tasks: grinding surfaces of cured terrazzo; using power grinders.

4. Tile Setter—The work falling within the occupational title of work description for Tile Setter includes:

A. The application of tile to floors, walls, ceilings, stair treads, promenade roof decks, garden walks, swimming pools, and all places where tiles may be used to form a finished surface for practical use, sanitary finish, or decorative purpose. (Tile includes all burned clay products, as used in the tile industry, either glazed or unglazed, all composition materials; all substitute materials in single units up to and including, fifteen inches by twenty inches by two inches (15" × 20" × 2") (except quarry tiles larger than nine inches by eleven inches (9" × 11")) and all mixtures in the form of cement, plastics, and metals that are used as a finished surface.);

B. The cutting and shaping of tile with saws, tile cutters, and biters; and

C. The positioning of tile and tapping it with a trowel handle to affix tile to plaster or adhesive base.

5. Tile Finisher—The work falling within the occupational title of work description for Tile Finisher includes:

A. The preparation of floors and/or walls by scraping, sweeping, grinding, and related methods for Tile Setter to install construction materials on floors and walls; the movement of tiles, tile setting tools, and work devices from storage area to installation site manually or using wheelbarrow;

B. The supply and mixture of materials for Tile Setter; the supply and mixture of construction materials for Tile Setter; the mixture of mortar and grout accordingly to standard formulas and request from Tile Setter using bucket, water hose, spatulas, and portable mixer; the modification of mixing, grouting, grinding, and cleaning procedures according to type of installation or material used; the supply to Tile Setter of mortar, using wheelbarrow and shovel; the application of grout between joints of installed tile, using grouting trowel; the application of grout; the cutting of installed tile;

C. The removal of excess grout from tile joints with a sponge and scraping of corners and crevices with a trowel; the application of caulk, sealers, acid, steam, or related agents to caulk, seal, or clean installed tile, using various application devices and equipment;

D. The wiping of surfaces of tile after grouting to remove grout residue and polish tile, using non-abrasive materials; the removal of Tile Setter materials and related

debris from immediate work area; the cleaning of installation site, mixing and storage tools, and equipment, using water and various cleaning tools; the storing of tile setting material machines, tools, and equipment; and

E. The provision of assistance to Tile Setter to secure position of metal lath, wire mesh, felt paper, Dur/rock or wonderboard prior to installation of tile;

(M) Operating Engineer (which shall include operating engineer group I, operating engineer group II, operating engineer group III, operating engineer group III-A, operating engineer group IV, and operating engineer group V)—Applies to workers who perform work falling within the occupational title of work description for operating engineer/portable and hoisting operator, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment. This occupational title encompasses several subclassifications, with the title and work description considered in light of whether the public works project pertains to building construction or heavy/highway construction.

1. Building construction. The subtitles falling within the occupational title of work description for operating engineer, as applicable to building construction, are as follows:

A. Group I—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: crane (for example, crawler or truck); dragline—clam shell—gradall; Derrick (all types); kimmer scoop; power shovel or backhoe over one (1) cubic yard; pile driver (for example, land or floating); Whirley; mechanic and welder; hydraulic, self-propelled crane; stinger or cherry picker crane; switch boat; concrete portable plant/concrete mixer paver; cableways;

B. Group II—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: asphalt paver and spreader/concrete spreader; asphalt plant mixer operators; asphalt plant operator; backfillers; back hoe (under one (1) cubic yard); Barber-Green loader (similar type); blade—power, all types; boats—power; boilers; boring machine (all types, including tunnel boring); brooms—power operated (all types); concrete saw (self-propelled); chip spreader (front man); clef plane operators; combination concrete hoist and mixer such as mix or mobile; crab—power operated; crusher rock; ditching machine; dozer/dredges;



finishing machine; firemen on rigs; flex plane; floating machine; form grader; greaser; hoist operator (all types); hopper—power operated; hydra hammer (all types); Lad-A-Vator—similar type; loaders—all types, including skid-steer (for example, Bobcat); locomotives (all types); curb finishing machine; mucking machine; orange peels; pumps (all types); push cats; rollers (all types); scoops (all types except skimmer scoop); self-propelled rotary drill; air compressors (all types); side boom; siphons, jets, and jennies; welding machine; subgrader; testhole machine; throttle man tractors over fifty (50) HP; air tugger with air compressor; anchor placing barge; Ahoy force feeder loader (self-propelled); bull float; pipe cleaning/wrapping machine; conveyor; heaters, fuel fired with forced air; quadtrack; tie tamper; vibrating machine; well drilling machine; forklift (except masonry forklift);

C. Group III—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: tractors (under fifty (50) HP); distributor (bituminous); scissor lift; small machine (operator); mud jack; wench truck operator; pug mill operator; elevator-push button; A-frame truck; mixers; oilers;

D. Group III-A—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as a masonry forklift;

E. Group IV—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as a self-propelled floor sweeper; and

F. Group V—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: elevator—auto; air pressure oiler; air pressure engineer.

2. Heavy/highway construction. The subtitles falling within the occupational title of work description for operating engineer, as applicable to heavy/highway construction, are as follows:

A. Group I—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: asphalt finishing machine and trench; widening spreader;

asphalt plant console operator; autograder; automatic slipform paver; backhoe; blade operator (all types); boat operator (all types); boilers—two (2); central mix concrete plant operator; clamshell operator; concrete mixer paver; crane operator; Derrick or Derrick trucks; ditching machine; dozer operator; dragline operator; dredge booster pump; dredge engineman; dredge operator; drill cat with compressor mounted on cat; drilling or boring machine rotary self-propelled; high-loader including skid steer (for example, Bobcat); hoisting engine—two (2) active drums; launchhammer wheel; locomotive operator—standard gauge; mechanics and welders; mucking machine; piledriver operator; Pitman crane operator; push cat operator; quadtrack; scoop operator—all types; shovel operator; sideboom cats; skimmer scoop operator; trenching machine operator; truck crane;

B. Group II—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: A-frame truck; asphalt hot mix silo; asphalt plant fireman, drum or boiler; asphalt plant mixer operator; asphalt plant man; asphalt roller operator; backfiller operator; Barber-Greene loader; chip spreader; concrete mixer operator, skip loader; concrete plant operator; concrete pump operator; crusher operator; dredge oiler; elevating grader operator; forklift; greaser—fleet; hoisting engine—one (1); locomotive operator—narrow gauge; multiple compactor; pavement breaker; power-broom—self-propelled; power shield; rooter; side discharge concrete spreader; slip form finishing machine; stumpcutter machine; throttle man; tractor operator—over fifty (50) HP; winch truck;

C. Group III—This subtitle applies to workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as follows: boilers—one (1); chip spreader (front man); churn drill operator; clef plane operator; concrete saw operator self-propelled; curb finishing machine; distributor operator; finishing machine operator; flex plane operator; float operator; form grader operator; pugmill operator; roller operator, other than high-type asphalt; screening and washing plant operator; siphons and jets; sub-grading machine operator; spreader box operator, self-propelled (not asphalt); tank car heater operator—combination boiler and booster; tractor operator fifty (50) HP or less; Umac, Ulric, or similar spreader; vibrating machine operator, not hand;

D. Group IV—This subtitle applies to

workers who operate, monitor, and control, repair, modify, assemble, erect, oil, service each or all electrically or electronically, hydraulically, or any power-operated equipment set forth as an oiler or oiler-driver (fireman—rig; maintenance operator);

(N) Outside—lineman, lineman operator, groundman, lineman tree trimmer, groundman tree trimmer, and any combination thereof.

1. Outside-lineman—Applies to workers who erect and repair transmission poles (whether built of wood, metal, or other material), fabricated metal transmission towers, outdoor substations, switch racks, or similar electrical structures, electric cables, and related auxiliary equipment for high-voltage transmission and distribution powerlines used to conduct energy between generating stations, substations, and consumers. The work (overhead and underground) falling within this occupational title of work description includes:

A. Construction, repair, or dismantling of all overhead and underground electrical installations. The handling and operation of all equipment used to transport men, tools, and materials to and from the job site. The framing, trenching, digging, and backfilling of vaults, holes and poles, and anchors (by hand or mechanical equipment), guying, fastening to the stub-in on concrete footings or pads, assembling of the grillage, grounding of all structures, stringing overhead wire, installing underground wire, splicing, and installation of transformers;

B. Construction and repair of highway and street lighting and traffic signal systems, cathodic protection systems, and ball field lighting systems;

2. Lineman operator—Operates equipment used on the outside line portion of a project. The lineman operator assists linemen in the performance of their work but does not climb or work out of any type of aerial lift equipment. The lineman operator does not perform any work that requires the use of hand tools;

3. Groundman—Work performed on the ground to assist the journeymen outside line construction/lineman on work not energized. Groundmen use jack hammers, air drills, shovels, picks, tamps, trenching equipment, and other such tools for excavating and/or compacting dirt or rock on the outside line portion of a project but do not use hand tools;

4. Lineman tree trimmer—Trimming and removal of trees, stumps, limbs, brush, and other related tasks in and around electrical systems by use of chainsaws, pruners, pole saws, and hand saws only when specifically required to provide clearance and right-of-way preparation for installation of overhead or underground high-voltage electric



utility lines, and excluding the clearance of right-of-ways related to heavy-highway construction or other public projects not directly related to the installation of electrical utility lines. Lineman tree trimmer work may be performed on the ground and in the air; and

5. Groundman tree trimmer—Assists the lineman tree trimmer in the performance of their work using rakes, chainsaws, chippers, and industrial mowers in and around electrical systems only when specifically required to provide clearance and right-of-way preparation for installation of overhead or underground high-voltage electric utility lines, and excluding the clearance of right-of-ways related to heavy-highway construction or other public projects not directly related to the installation of electrical utility lines. Groundman tree trimmer work is only performed on the ground;

(O) Painter—The work falling within the occupational title of work description for painter includes:

1. Preparation of surfaces. The washing, cleaning, pointing, and taping of drywall, regardless of material used, and smoothing of surfaces, using sandpaper, brushes, or steel wool. The removal of old paint or other coatings from surfaces, using paint remover, scraper, wire brushing, sandblasting, water blasting, liquid steam, or by any other similar process. The filling of nail holes, cracks, and joints with putty, plaster, or other fillers;

2. Color matching and mixing. The application of paint, varnish, stain, enamel, lacquer, vinyl, wallpaper, and other materials of whatever kind of quality applied to walls or ceilings with paste or adhesive, using brushes, spray gun (spray painter), or paint rollers. The application of polyurethane elastomers, vinyl plastics, neoprene, resin, polyester, and epoxy as waterproofing or protective coatings to any kind of surface (except roofs) when applied with brushes, spray guns, or rollers;

3. Texturing and decorating. The erecting of scaffolding or setting up of ladders to perform the work above ground level. The paperhanging of walls and ceilings with decorative wall coverings made of fabric, vinyl, or paper. The preparing of the surface to be covered by applying sizing, which seals the surface and makes the covering stick better. The removal of the old covering by soaking, steaming, or applying solvents. The patching of holes and other imperfections before applying the new wall covering. The measuring of the area to be covered; the cutting of the covering into strips of the proper size, the checking of the covering for flaws and the examination of the pattern so it can be matched when the strips are hung. The preparation of paste or other adhesives according to manufacturers' directions, and the brush-

ing or rolling it on the covering. The placing of the strips on the wall or ceiling, to match adjacent patterns. The smoothing of the strips to remove bubbles and wrinkles; the trimming of the top and bottom with a razor blade; and the painting or taping of highway striping, or both; and

4. Cleanup. The cleanup of tools and equipment required in connection with work falling within this occupational title;

(P) Plumber (which shall include pipe fitter).

1. General Plumber—Applies to workers who install and repair domestic potable water lines, gravity waste disposal systems inside the curb or fence lines, plumbing fixtures such as: bathtubs, sinks, and toilets—and appliances such as, dishwashers and water heaters. The work falling within the occupational title of work description for plumber includes:

A. Assembling and installing piping systems, fixtures and equipment for the transportation of domestic water and sewage. Piping systems installed in structures (for example, buildings, industrial plants) to the first Y, T, or connection located outside the building;

B. Cutting, threading, and bending pipe. Joining pipes by use of screws, bolts, fittings, solder, welding brazing, and caulking or any other method of making joints in the plumbing industry;

C. Assembling, installing, and repairing valves, pipe fittings, and pumps. Testing the piping system. Installing and repairing plumbing fixtures, such as sinks, bathtubs, water heaters, and water softeners; and

D. Cutting holes in floors and walls for pipes with point and hammer, core drill, or both.

2. Pipe Fitter—Applies to workers who fabricate, install, and repair piping systems to include: water and waste processing systems; heating and air-conditioning systems, pneumatic controls, and pneumatic delivery systems; powerhouse and all pressurized piping systems; gas, oxygen systems; gasoline systems not for public sale. The work falling within this occupational title of work description includes:

A. Piping systems installed in structures (for example, buildings, industrial plants, and the like);

B. Cutting, threading, and bending pipe. Joining pipes by use of screws, bolts, fittings, solder, welding, and caulking, or any other method of making joints in the pipefitting industry;

C. Assembling, installing, and repairing valves, pipe fittings, and pumps. Testing the piping system. Cutting holes in floors and walls for pipes with point and hammer, core drill, or both;

D. Installing of distribution lines (for example, water mains, sewer mains, oil and gas lines);

E. Welding of steel pipe joints and joining pipes with screws, bolts, fittings, solder, caulking, or any other method for making joints in the industry; and

F. Joining ductile iron and plastic pipes by using any method for making joints in the industry, when the pipe will be under pressure;

(Q) Roofer—Applies to workers who apply and install any and all types of roofing materials, other than sheet metal. The work falling within this occupational title of work description includes:

1. The installation of slate and tile and all substitute materials taking the place of slate and tile used for roofing including flat or promenade slate, with necessary metal flashing to make water-tight;

2. The cementing in, on, or around slate and tile roofs. The laying of felt or paper beneath the slate and tile. The dressing, punching, and cutting of all roof slate or tile either by hand or machinery;

3. The installation of all forms of plastic, slate, slag, gravel; asphalt and composition roofing; rock asphalt mastic when used for damp and waterproofing; prepared paper; compressed paper and chemically prepared paper, and burlap with or without coating. The installation of all damp resisting preparations regardless of the method of application in or outside of building. The installation of damp courses, sheeting, or coating on foundation work and tarred roofs. The laying of the tile or brick, when laid in asphalt or pitch tar;

4. The installation and application of new materials used in roofing, water-proofing, encapsulation, and containment process including all forms of elastomeric or plastic (elastoplastic), or both, roofing systems, both sheet and liquid applied, whether single-ply or multi-ply. The installation of aggregates or stone, used as a ballast for inverted roofing membrane assembly, or roof of similar construction where insulation is laid over the roofing membrane. The sealing and caulking of seams and joints on these elastoplastic systems to insure water-tightness. The applying of liquid-type elastoplastic preparation for roofing, damp, or waterproofing when applied with a squeegee, trowel, roller, or spray equipment whether applied inside or outside of a building. The priming of surfaces to be roofed, damp, or waterproofed, whether done by roller, mop, swab, three- (3-) knot brush, or spray systems. The waterproofing of all types of preformed panels;

5. The application of all types of spray-in-place such as urethane or polyurethane, and the coatings that are



applied over them;

6. The application of roof insulation, when the insulation material is applied as an integral part of the roofing system, whether the insulation material is applied as the first, last, or any other layer in between;

7. The operation and servicing of all kettles, bulk tankers, stationary heating tankers, and other types of equipment and tools used to accomplish this work (including heating systems for the operation of the equipment); and compressors for applying roofing material components, roof and mop carts, hydraulics, tools and equipment, be it hand or power, needed to apply waterproofing, insulated, and roofing materials;

8. The handling, hoisting, and storing of all roofing, damp, and waterproofing materials; and

9. The tear-off, removal, or both, of any type of roofing, all spudding, sweeping, vacuuming, cleanup, or a combination of these, of any areas of any type where a roof is to be relayed;

(R) Sheet Metal Worker—The work falling within the occupational title of sheet metal worker includes:

1. The handling, conditioning, assembling, installing, servicing, repairing, altering, and dismantling of the duct work for the heating, ventilation, and air-conditioning systems regardless of the materials used and the setting of all equipment and all supports and reinforcements in connection with the system;

2. The installation of expansion and discharge valves, air filters, and water filters in heating, ventilation, and air-conditioning systems;

3. The testing and balancing of air-handling equipment and duct work;

4. The forming, rolling, drawing, stamping, or pressing of sheet metal shingles, sheet metal tile, sheet metal brick, sheet metal stone, and sheet metal lumber, when specified for use as roofing, siding, waterproofing, weather proofing, fire proofing, or for ornamental or any other purpose;

5. The performing of sheet metal work specified for use in connection with or incidental to steeples, domes, minarets, look outs, dormers, louvers, ridges, copings, roofing, decking, hips, valleys, gutters, outlets, roof flanges, flashings, gravel stops, leader heads, down spouts, mansards, balustrades, skylights, cornice moulding, columns, capitals, panels, pilasters, mullions, spandrels, and any and all other shapes, forms and design of sheet metal work specified for use for waterproofing, weatherproofing, fire proofing, ornamental, decorative, or display purposes, or as trim on exterior of the buildings;

6. The installing of sheet metal ceilings

with cornices and mouldings of plain, ornamental, enameled, glazed, or acoustic type;

7. The installing of side walls, wainscoting of plain, ornamental, enameled, or glazed types, including sheet metal tile;

8. The application of all necessary wood or metal furring, plastic, or other materials, to which they are directly applied;

9. The performing of sheet-metal work specified for use in connection with or incidental to direct, indirect, or other types of heating, ventilating, air-conditioning, and cooling systems (including risers, stacks, ducts, S strips, fittings, dampers, casings, recess boxes, outlets, radiator enclosures, exhausts, ventilators, frames, grisses, louvers, registers, cabinets, fans, and motors);

10. The air washers, filters, air brushes, housings, air-conditioning chambers;

11. The setting and hanging of air-conditioning units, unit heaters or air-veyor systems, and air handling systems regardless of material used;

12. The assembling and setting up of all cast iron parts, warm air furnace, all stoker, gas, and oil burner equipment used in connection with warm air heating, all sheet metal hoods, casings, wall stacks, smoke pipes, truck lines, cold air intake, air chambers, vent pipes, frames, registers, dampers, and regulation devices;

13. The installing of equipment utilized in the operation of kitchens including ranges, canopies, steam tables, work tables, dish-washers, coffee urns, soda fountains, warming closets, sinks, drainboards, garbage chutes, incinerators, and refrigerators;

14. The installing of tubing, pipes, and fittings, used in connection with or incidental to coppersmithing work. The installation of fume hoods, metal toilet partitions, metal lockers, plain metal shelving; and

15. The handling, moving, hoisting, and storing of all sheet metal materials on the job site, where power equipment and rigging are required;

(S) Sprinkler Fitter—Applies to workers who perform the installation, adjustments, and corrections, repair, and dismantling of all fire protection and fire control systems and the installation of all fire piping for tubing, appurtenances, and equipment. The work falling within the occupational title includes: The handling and installation of all piping and appurtenances pertaining to sprinkler equipment, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes, and hose connections to the sprinkler systems, sprinkler tank heaters, air lines and thermal systems used in connection with sprinkler and alarm systems, tank and pump connections, and fire protection systems using mulsifyre, spray, water,

fog, carbon dioxide (CO₂), gas and foam and dry chemical systems; and

(T) Truck Driver (which shall include truck control service driver, truck driver group I, truck driver group II, truck driver group III, and truck driver group IV)—The workers who perform work falling within the occupational title of work description for truck driver includes the operation, repair, and servicing of the following mechanical equipment. This occupational title encompasses several subclassifications, with the title and work description considered in light of whether the public works project pertains to building construction or heavy/highway construction.

1. Building construction. The subtitles falling within the occupational title of work description for truck driver, as applicable to building construction, are as follows:

A. Truck control service driver - Applies to workers who perform work including:

(I) The delivery, installation, and pickup of traffic control devices;

(II) The unloading and installation of barricades, plastic channelizer drums, safety cones, and temporary flashing lights not to exceed one hundred fifteen (115) volts;

(III) Regular periodic inspections to assure that traffic control devices are clean, clearly visible, and properly positioned. Inspection and maintenance includes replacing batteries and bulbs in lights, cleaning reflective material and lenses, and repairing or replacing damaged or missing devices when incidental to and part of a public works construction project; and

(IV) Removal of all traffic control devices by loading them on a truck and driving them to a storage yard where they are unloaded;

B. Group I—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: flat bed trucks single axle, station wagons, pick-up trucks, material trucks single axle, tank wagon single axle;

C. Group II—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: agitator and transit mix-trucks;

D. Group III—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: flat bed trucks tandem axle, articulated dump trucks, material trucks tandem axle, tank wagon tandem axle; and

E. Group IV—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the



following equipment: semi and/or pole trailers, winch, fork and steel trucks, distributor drivers and operators, tank wagon semi-trailer, Insley wagons, dumpsters, halftracks, speedace, euclids, and other similar equipment, A-frame and Derrick trucks, float or low boy, and boom truck.

2. Heavy/highway construction. The subtitles falling within the occupational title work description for truck driver, as applicable to heavy/highway construction, are as follows:

A. Truck control service driver – Applies to workers who perform work including:

(I) The delivery, installation, and pickup of traffic control devices;

(II) The unloading and installation of barricades, plastic channelizer drums, safety cones, and temporary flashing lights not to exceed one hundred fifteen (115) volts;

(III) Regular periodic inspections to assure that traffic control devices are clean, clearly visible, and properly positioned. Inspection and maintenance includes replacing batteries and bulbs in lights, cleaning reflective material and lenses, and repairing or replacing damaged or missing devices when incidental to and part of a public works construction project; and

(IV) Removal of all traffic control devices by loading them on a truck and driving them to a storage yard where they are unloaded;

B. Group I—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: flat bed trucks single axle, station wagons, pick-up trucks, material trucks single axle, tank wagon single axle;

C. Group II—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: agitator and transit mix-trucks;

D. Group III—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: flat bed trucks tandem axle, articulated dump trucks, material trucks tandem axle, tank wagon tandem axle; and

E. Group IV—This subtitle applies to workers who operate, monitor, control, repair, modify, assemble, erect, oil, and service the following equipment: semi-and/or pole trailers, winch, fork and steel trucks, distributor drivers and operators, tank wagon semi-trailer, Insley wagons, dumpsters, half-tracks, speedace, euclids, and other similar equipment, A-frame and Derrick trucks, float or low boy, and boom truck.

AUTHORITY: section 290.240.2., RSMo Supp. 2018. Original rule filed Sept. 15, 1992, effective May 6, 1993. Emergency amendment filed April 30, 1993, effective May 10, 1993, expired Aug. 28, 1993. Amended: Filed Aug. 13, 1996, effective Feb. 28, 1997. Amended: Filed Jan. 22, 1997, effective Sept. 30, 1997. Amended: Filed June 17, 2004, effective Dec. 30, 2004. Amended: Filed Aug. 19, 2010, effective Feb. 28, 2011. Amended: Filed Aug. 9, 2012, effective Feb. 28, 2013. Emergency amendment filed Nov. 7, 2014, effective Nov. 17, 2014, expired May 15, 2015. Amended: Filed Nov. 7, 2014, effective April 30, 2015. Emergency amendment filed Nov. 21, 2018, effective Dec. 1, 2018, expired May 29, 2019. Amended: Filed Nov. 21, 2018, effective July 30, 2019.*

**Original authority: 290.240, RSMo 1957, amended 1969, 2018.*

Missouri Revisor of Statutes

Constitution Committee Publications

About Help & FAQ Other Links & Information ↓

Words ▾

1st search term

And ▾

2nd search term



290.010. What constitutes a day's labor. — From and after the first day of May, in the year eighteen hundred and sixty-seven, the period of eight hours shall be and constitute a legal day's work; but nothing in this section shall be so construed as to prevent parties to any contract for work, services or labor from agreeing upon a longer or shorter time. This section shall not apply to persons hired or employed by the month, nor to laborers or farm hands in the service of farmers or others engaged in agriculture.

(RSMo 1939 § 10166)

Prior revisions: 1929 § 13205; 1919 § 6766; 1909 § 7812

CROSS REFERENCE:

Election, employees allowed three hours to vote, 115.639

8/28/1939

290.020. Limitation of working hours in certain industries, exception by consent of worker. — It is hereby declared to be unlawful for any person, company or corporation engaged in carrying on any kind of mining, mechanical, chemical manufacturing or smelting business, to work their employees in any mill or mills, or plants, while engaged in crushing rocks and mine products, containing mineral or ores, or engaged in separating the minerals or ores from rock and such combination with which the mineral or ores are mixed, or reducing or roasting, or refining or smelting minerals or ores, from and after the time such rocks, or combination of rocks and mine products, or minerals or ores are taken out of the mines, at such labor or industry, for a period of time longer than eight hours in a day of twenty-four hours, without their consent, and it is hereby declared that eight hours shall constitute a day of employment, for all laborers, or employees, engaged in the kind of labor or industry aforesaid.

(RSMo 1939 § 10167, A.L. 1981 H.B. 748)

Prior revisions: 1929 § 13206; 1919 § 6767; 1909 § 7813

8/28/1981

290.030. Penalty. — Any person or persons, company or corporation who shall violate any of the provisions of section 290.020 shall, on conviction, be fined in a sum not less than twenty-five dollars nor more than five hundred dollars.

(RSMo 1939 § 10168)

Prior revisions: 1929 § 13207; 1919 § 6768; 1909 § 7814

8/28/1939



290.080. Employees paid semimonthly, exception — statement of deductions — violation, misdemeanor. — All corporations doing business in this state, and all persons operating railroads or railroad shops in this state, shall pay the wages and salaries of their employees as often as semimonthly, within sixteen days of the close of each payroll period; provided, however, that executive, administrative and professional employees, and sales people and other employees compensated in whole or in part on a commission basis, at the option of such employers, may be paid their salaries or commissions monthly. Such corporations and persons either as a part of the check, draft or other voucher paying the wages or separately, shall furnish the employee at least once a month a statement showing the total amount of deductions for the period. Any corporation or person violating this section shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than fifty dollars, nor more than five hundred dollars, for each offense.

(RSMo 1939 §§ 5080, 5081, 10176, A. 1949 S.B. 1105, A.L. 1955 p. 596)

Prior revisions: 1929 §§ 4608, 4609, 13215; 1919 §§ 9802, 9803, 6778; 1909 § 7820

CROSS REFERENCE:

Wages, when to be paid, interest, priority, 430.360

8/28/1955

290.090. Factory employees paid semimonthly — amount withheld — penalty. — The employees of the operators of all manufactories, including plate glass manufactories, operated within this state shall be regularly paid in full of all wages due them at least once in every fifteen days, in lawful money, and at no pay day shall there be withheld from the earnings of any employee any sum to exceed the amount due him for his labor for five days next preceding any such pay day. Any such operator who fails and refuses to pay his employees, their agents, assigns or anyone duly authorized to collect such wages, as in this section provided, shall become immediately liable to any such employee, his agents or assigns for an amount double

the sum due such employee at the time of such failure to pay the wages due, to be recovered by civil action in any court of competent jurisdiction within this state, and no employee, within the meaning of this section, shall be deemed to have waived any right accruing to him under this section by any contract he may make contrary to the provisions hereof.

(RSMo 1939 § 10175)

Prior revisions: 1929 § 13214; 1919 § 6775; 1909 § 7817

8/28/1939

290.095. Wage subsidies, bid supplements, and rebates for employment prohibited, when — violation, penalty. — 1. No contractor or subcontractor may directly or indirectly receive a wage subsidy, bid supplement, or rebate for employment on a public works project if such wage subsidy, bid supplement, or rebate has the effect of reducing the wage rate paid by the employer on a given occupational title below the wage rate required to be paid for such project pursuant to sections [290.210 to 290.340](#).

2. In the event a wage subsidy, bid supplement, or rebate is lawfully provided or received under subsection 1 of this section, the entity receiving such subsidy, supplement, or rebate shall report the date and amount of such subsidy, supplement, or rebate to the public body within thirty days of receipt of payment. This disclosure report shall be a matter of public record under [chapter 610](#).

3. Any employer in violation of this section shall owe to the public body double the dollar amount per hour that the wage subsidy, bid supplement, or rebate has reduced the wage rate paid by the employer below the wage rate required to be paid for such project pursuant to sections [290.210 to 290.340](#) for each hour that work was performed. It shall be the duty of the department to calculate the dollar amount owed to the public body under this section.

(L. 2007 S.B. 339, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.100. Thirty days' notice of reduction of wages, how. — Any railway, mining, express, telegraph, manufacturing or other company or corporation doing business in this state, and desiring to reduce the wages of its employees, or any of them, shall give to the employees to be affected thereby thirty days' notice thereof. Such notice may be given by posting a written or printed handbill, specifying the class of employees whose

wages are to be reduced and the amount of the reduction, in a conspicuous place in or about the shops, station, office, depot or other place where said employees may be at work, or by mailing each employee a copy of said notice or handbill, and such company or corporation violating any of the provisions of this section shall forfeit and pay each party affected thereby the sum of fifty dollars, to be recovered by civil action in the name of the injured party, with costs, before any court of competent jurisdiction.

(RSMo 1939 §§ 5066, 5067, A.L. 1943 p. 410 § 75)

Prior revisions: 1929 §§ 4590, 4591; 1919 §§ 9782, 9783; 1909 §§ 3022, 3023

8/28/1943

290.110. Payment due discharged employee — exceptions — penalty for delay. — Whenever any person, firm or corporation doing business in this state shall discharge, with or without cause, or refuse to further employ any servant or employee thereof, the unpaid wages of the servant or employee then earned at the contract rate, without abatement or deduction, shall be and become due and payable on the day of the discharge or refusal to longer employ and the servant or employee may request in writing of his foreman or the keeper of his time to have the money due him, or a valid check therefor, sent to any station or office where a regular agent is kept; and if the money or a valid check therefor, does not reach the station or office within seven days from the date it is so requested, then as a penalty for such nonpayment the wages of the servant or employee shall continue from the date of the discharge or refusal to further employ, at the same rate until paid; provided, such wages shall not continue more than sixty days. This section shall not apply in the case of an employee whose remuneration for work is based primarily on commissions and whose duties include collection of accounts, care of a stock or merchandise and similar activities and where an audit is necessary or customary in order to determine the net amount due.

(RSMo 1939 § 5082, A.L. 1943 p. 410 § 76, A.L. 1963 p. 414, A.L. 1972 H.B. 1203)

Prior revisions: 1929 § 4610; 1919 § 9804

8/28/1972

290.120. Employee not entitled to benefits, when. — No such servant or employee who secretes or absents himself to avoid payment to him, or refuses to receive the same when fully tendered, shall be entitled to any benefit under sections [290.110](#) and [290.120](#) for such time as he so avoids payment.

(RSMo 1939 § 5083, A.L. 1943 p. 410 § 77)

Prior revisions: 1929 § 4611; 1919 § 9805

8/28/1943



290.130. Action by employees for breach of employment contract. — Any such servant or employee whose employment is for a definite period of time, and who is discharged without cause before the expiration of such time, may, in addition to the penalty prescribed by this law, have an action against any such employer for any damages he may have sustained by reason of such wrongful discharge, and such action may be joined with an action for unpaid wages and penalty.

(RSMo 1939 § 5084, A.L. 1943 p. 410 § 78)

Prior revisions: 1929 § 4612; 1919 § 9806

8/28/1943

290.140. Letter of dismissal, when — failure to issue, damages — punitive damages, limitations. — 1. Whenever any employee of any corporation doing business in this state and which employs seven or more employees, who shall have been in the service of said corporation for a period of at least ninety days, shall be discharged or voluntarily quit the service of such corporation and who thereafter within a reasonable period of time, but not later than one year following the date the employee was discharged or voluntarily quit, requests in writing by certified mail to the superintendent, manager or registered agent of said corporation, with specific reference to the statute, it shall be the duty of the superintendent or manager of said corporation to issue to such employee, within forty-five days after the receipt of such request, a letter, duly signed by such superintendent or manager, setting forth the nature and character of service rendered by such employee to such corporation and the duration thereof, and truly stating for what cause, if any, such employee was discharged or voluntarily quit such service.

2. Any corporation which violates the provisions of subsection 1 of this section shall be liable for compensatory but not punitive damages but in the event that the evidence establishes that the employer did not issue the requested letter, said employer may be liable for nominal and punitive damages; but no award of punitive damages under this section shall be based upon the content of any such letter.

(RSMo 1939 § 5064, A.L. 1941 p. 330, A.L. 1982 S.B. 747)

Prior revisions: 1929 § 4588; 1919 § 9780; 1909 § 3020

CROSS REFERENCE:

Employee dismissal rights, damage action, time limitation, 516.140

(1985) Actual damages in a "service letter" case are proven by showing that the plaintiff was refused employment or hindered in obtaining employment, due to the absence or inadequacy of a service letter, that the position plaintiff was refused or hindered in obtaining was actually open, and the rate of pay of that position. *Gibson v. Hummel* (Mo. App. E.D.), 688 S.W.2d 4.

(1985) An award of punitive damages based on the failure to provide a service letter is improper except upon a showing of actual or legal malice. *Comerio v. Beatrice Foods Co.*, 616 F.Supp. 1423 (D.C.Mo.).

(1986) An employer which fails to issue the service letter within forty-five days of it being requested may be liable for punitive damages. *Talbert v. Safeway Stores, Inc.* 651 F.Supp. 1563 (W.D. Mo.).

1986) A statement that termination is due to "unsatisfactory work performance" is insufficient as a matter of law under this section. *Gloria v. University of Health Sciences*, 713 S.W.2d 32 (Mo. App. W.D.).

(1987) Legal malice must be proven in order to recover punitive damages pursuant to this section and such malice must be averred generally in the petition. *Willett v. Slay Warehouse Co., Inc.*, 735 S.W.2d 60 (Mo. App. E.D.).

(1987) Legal malice or the deliberate failure to provide a service letter knowing that an individual has requested one perhaps may be shown in order to recover punitive damages by proving that this section was cited in the request for a service letter. *Fink v. Revco Discount Drug Centers, Inc.*, 666 F.Supp. 1325 (W.D. Mo.).

(1990) Letter requesting statement of reasons for employee's discharge signed only by the employee's attorney and not by the employee is not a valid request for a service letter. *Zeman v. V.F. Factory Outlet, Inc.*, 911 F.2d 107 (8th Cir.).

(1990) Discharged employee not entitled to actual damages for an employer's violation of service letter statute for false statements unless employee can show evidence that prospective employer saw letter and held it against employee. Employee could seek nominal damages. *Prewitt v. Factory Motor Parts, Inc.*, 747 F.Supp. 560 (W.D. Mo.).

8/28/1982

290.145. Discrimination, refusal to hire or discharge employee for alcohol or tobacco use not during working hours, prohibited, exception — not cause for legal actions. — It shall be an improper employment practice for an employer to refuse to hire, or to discharge, any individual, or to otherwise disadvantage any individual, with respect to compensation, terms or conditions of employment because the individual

uses lawful alcohol or tobacco products off the premises of the employer during hours such individual is not working for the employer, unless such use interferes with the duties and performance of the employee, the employee's coworkers, or the overall operation of the employer's business; except that, nothing in this section shall prohibit an employer from providing or contracting for health insurance benefits at a reduced premium rate or at a reduced deductible level for employees who do not smoke or use tobacco products. Religious organizations and church-operated institutions, and not-for-profit organizations whose principal business is health care promotion shall be exempt from the provisions of this section. The provisions of this section shall not be deemed to create a cause of action for injunctive relief, damages or other relief.

(L. 1992 S.B. 509, et al. § 6, A.L. 2005 H.B. 596, A.L. 2006 S.B. 567 & 792)

8/28/2006



290.152. Employer response to request for information about current or former employee, contents, requirements, civil immunity, when. — 1. As used in this section, the following terms shall mean:

(1) **"Employer"**, any individual, organization, partnership, political subdivision, corporation or other legal entity which has or had in the entity's employ one or more individuals performing services for the entity within this state;

(2) **"Prospective employer"**, any employer, as defined in this subsection, to which an individual has made application for employment, either oral or written, or forwarded a resume or other correspondence expressing an interest in employment.

2. An employer may:

(1) Respond in writing to a written request concerning a current or former employee from an entity or person which the employer reasonably believes to be a prospective employer of such employee; and

(2) Disclose the nature and character of service rendered by such employee to such employer and the duration thereof; and

(3) Truly state for what cause, if any, such employee was discharged or voluntarily quit such service. The provisions of this section shall apply regardless of whether the employee becomes employed by the prospective employer prior to receipt of the former employer's written response. The information provided pursuant to this section shall be consistent with the content of any service letter provided pursuant to section [290.140](#) for the same employee.

3. The employer shall send a copy of any letter provided pursuant to subsection 2 of this section to the current employee or former employee at the employee's last known address. The current or former employee may request from the employer a copy of the letter provided pursuant to subsection 2 of this section for up to one year following the date of such letter.

4. For purposes of this section, an employer shall be immune from civil liability for any response made pursuant to this section or for any consequences of such response, unless such response was false and made with knowledge that it was false or with reckless disregard for whether such response was true or false.

5. Any employer who violates the provisions of subsection 2 of this section shall be liable for compensatory damages but not punitive damages.

6. Any letter issued pursuant to this section shall not be admitted as evidence in an unemployment compensation claim.

(L. 1999 S.B. 32)

8/28/1999

290.210. Definitions. — As used in sections 290.210 to 290.340, unless the context indicates otherwise, the following terms shall mean:

(1) "**Collective bargaining agreement**", any written agreement or understanding between an employer or employer association and a labor organization or union which is the exclusive bargaining representative of the employer's or employer association's employees pursuant to the terms of the National Labor Relations Act and which agreement or understanding or predecessor agreement or understanding has been used to determine an occupational title wage rate;

(2) "**Construction**", construction, reconstruction, improvement, enlargement, alteration, painting and decorating, or major repair;

(3) "**Department**", the department of labor and industrial relations;

(4) "**Labor organization**" or "**union**", any entity which has been designated pursuant to the terms of the National Labor Relations Act as the exclusive bargaining representative of employees of employers engaged in the construction industry, which entity or affiliated entity has ever had a collective bargaining agreement which determined an occupational title wage rate;

(5) "**Locality**", the county where the physical work upon public works is performed;

(6) "**Maintenance work**", the repair, but not the replacement, of existing facilities when the size, type or extent of the existing facilities is not thereby changed or increased;

(7) "**Prevailing hourly rate of wages**" or "**prevailing wage rate**", the wages paid generally, to workers engaged in work of a similar character in the locality in which the public works is being performed, including the basic hourly rate of pay and the amount of the rate of contributions irrevocably made to a fund, plan or program, and the amount of the rate of costs to the contractor or subcontractor which may be reasonably anticipated in providing benefits to workers and mechanics pursuant to an enforceable commitment to carry out a financially responsible plan or program which was communicated in writing to the workmen affected, for medical or hospital care, pensions on retirement or death, compensation for injuries or illness resulting from occupational activity, or insurance to provide any of the foregoing, for unemployment benefits, life insurance, disability and sickness insurance, accident insurance, for vacation and holiday pay, for defraying costs of apprenticeship or other similar programs, or for other bona fide fringe benefits, but only where the contractor or subcontractor is not required by other federal or state law to provide any of the benefits; provided, that the obligation of a contractor or subcontractor to make payment in accordance with the prevailing wage determinations of the department, insofar as sections [290.210 to 290.340](#) are concerned, may be discharged by the making of payments in cash, by the making of irrevocable contributions by the assumption of an enforceable commitment to bear the costs of a plan or program as provided herein, or any combination thereof, where the aggregate of such payments, contributions and costs is not less than the rate of pay plus the other amounts as provided herein;

(8) "**Public body**", the state of Missouri or any officer, official, authority, board or commission of the state, or other political subdivision thereof, or any institution supported in whole or in part by public funds;

(9) "**Public works**", all fixed works constructed for public use or benefit or paid for wholly or in part out of public funds. It also includes any work done directly by any public utility company when performed by it pursuant to the order of the public service commission or other public authority whether or not it be done under public supervision or direction or paid for wholly or in part out of public funds when let to contract by said utility. It does not include any work done for or by any drainage or levee district;

(10) "**Public works contracting minimum wage**", the wage rate determined by the department pursuant to section [290.257](#);

(11) **"Workers"**, laborers and mechanics.

(L. 1957 p. 574 § 1, A.L. 1965 p. 438, A.L. 1969 S.B. 142, A.L. 2013 H.B. 34, A.L. 2018 H.B. 1729, et al.)

(1981) Industrial development projects are not subject to the Prevailing Wage Act unless the projects constitute "public works" and involve workmen employed by or on behalf of a public body engaged in public works. *State ex rel. Ashcroft v. City of Sedalia* (Mo. App. W.D.), 629 S.W.2d 578.

8/28/2018

290.220. Policy declared. — It is hereby declared to be the policy of the state of Missouri that a wage of no less than the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in public works, exclusive of maintenance work.

(L. 1957 p. 574 § 2, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.230. Prevailing wage rates required on construction of public works — who is deemed employed upon public works — inapplicability of prevailing wage, when.

— 1. (1) Except as otherwise provided in this section, not less than the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

(2) For all work performed on a Sunday or a holiday, not less than twice the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work. For purposes of this subdivision, **"holiday"** shall include each of the following:

- (a) January first;
- (b) The last Monday in May;
- (c) July fourth;

- (d) The first Monday in September;
- (e) November eleventh;
- (f) The fourth Thursday in November; and
- (g) December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

(3) For all overtime work performed, not less than one and one-half the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, "**overtime work**" shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

(4) A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

2. Only workers that are directly employed by contractors or subcontractors in actual construction work on the site of the building or construction job shall be deemed to be employed upon public works.

3. Any worker who agrees in writing to volunteer his or her labor without pay shall not be deemed to be employed upon public works, and shall not be entitled to the wage rates required pursuant to sections [290.210 to 290.340](#). For the purposes of this section, the term "**worker who agrees in writing to volunteer his or her labor without pay**" shall mean a worker who volunteers his or her labor without any promise of benefit or remuneration for such voluntary activity, and who is not a prisoner in any jail or prison facility and who is not performing community service pursuant to disposition of a criminal case against him or her, and is not otherwise employed for compensation at any time in the construction or maintenance work on the same public works for which the worker is a volunteer. Under no circumstances may an employer or a public body force, compel or otherwise intimidate a worker into performing work otherwise paid at a prevailing wage rate or at a public works contracting minimum wage rate as a volunteer.

4. When the hauling of materials or equipment includes some phase of construction other than the mere transportation to the site of the construction, workers engaged in

this dual capacity shall be deemed employed directly on public works.

5. (1) The provisions of sections 290.210 to 290.340 shall not apply to the construction of public works for which either the engineer's estimate or the bid accepted by the public body for the total project cost is in the amount of seventy-five thousand dollars or less.

(2) The total project cost shall be based upon the entire project and not individual projects within a larger project.

(3) The total project cost shall include the value of work performed on the project by every person paid by a contractor or subcontractor for that person's work on the project. The total project cost shall additionally include all materials and supplies purchased for the project.

6. A public body shall not divide a project into multiple contracts for the purpose of lowering the total project cost below the threshold described in subsection 5 of this section.

7. For any public works project for which either the engineer's estimate or the bid accepted by the public body for the total project cost is in the amount of seventy-five thousand dollars or less that becomes subject to a change order that increases the total project cost in excess of seventy-five thousand dollars, the provisions of sections 290.210 to 290.340 shall apply only to that portion of the project that was in excess of seventy-five thousand dollars.

8. Notwithstanding any provision of law to the contrary, for the purposes of construction of public works for which either the engineer's estimate or the bid accepted by the public body for the total project cost is in the amount of ten thousand dollars or less for all occupational titles, public bodies shall be exempt from any law requiring the use of competitive bids.

(L. 1957 p. 574 § 3, A.L. 2014 H.B. 1594, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.235. On-the-job training periods, use of entry-level workers and apprentices — wages — aggregate limit. — 1. Employers may use entry-level workers and federally registered apprentices for on-the-job training periods. The wage rate for on-the-job training workers shall be equal to fifty percent of the applicable wage rate for a journeyman worker under the appropriate occupational title for a specific locality.

2. The combined total of entry-level workers and federally registered apprentices shall not exceed a one-to-one ratio with the number of journeyman workers in any

occupational title on a public works project subject to sections 290.210 to 290.340.

(L. 2018 H.B. 1729, et al.)

8/28/2018

290.240. Department inquiry into complaints — rulemaking authority. — 1. The department shall inquire diligently into complaints regarding any violation of sections 290.210 to 290.340, shall institute actions for penalties herein prescribed, and shall enforce generally the provisions of sections 290.210 to 290.340. Complaints regarding any violation of sections 290.210 to 290.340 shall be filed with the department. The following interested parties are the only parties allowed to file such complaints with the department:

(1) Any decision-making public servant for a public body for which a public works project is being performed, if the complaint is against the contractor or subcontractor for the project;

(2) Any contractor, if the complaint is against his or her subcontractor for work performed on behalf of a public body;

(3) Any subcontractor, if the complaint is against his or her contractor for work performed on behalf of a public body; and

(4) Any worker who alleges a violation of his or her rights under sections 290.210 to 290.340.

2. The department may establish rules and regulations for the purpose of carrying out the provisions of sections 290.210 to 290.340.

(L. 1957 p. 574 § 6, A.L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.250. Applicable wage rates, incorporation into contracts — failure to pay, penalty — complaints of violation, public body or prime contractor to withhold payment — determination of a violation, investigation required — employer's right to dispute — enforcement proceeding permitted, when. — 1. Every public body authorized to contract for or construct public works before advertising for bids or undertaking such construction shall request the department to determine the applicable wage rates in the locality where the work is to be performed. The department shall determine the applicable wage rates in the locality in which the work is to be performed as provided in section 290.257. Such determination or schedule of the wage rates shall be attached to and made a part of the specifications for the

work. The public body shall then specify in the resolution or ordinance and in the call for bids for the contract the wage rates in the locality needed to execute the contract. The contractor to whom the contract is awarded and any subcontractor under the contractor shall pay not less than the specified wage rates to all workers employed by them in the execution of the contract. The public body awarding the contract shall cause to be inserted in the contract a stipulation to the effect that not less than the specified wage rates shall be paid to all workers performing work under the contract. The contractor shall forfeit as a penalty to the public body on whose behalf the contract is made or awarded one hundred dollars for each worker employed, for each calendar day, or portion thereof, such worker is paid less than the specified wage rates for any work done under the contract, by the contractor or by any subcontractor under the contractor, and the public body awarding the contract shall cause to be inserted in the contract a stipulation to this effect. The public body awarding the contract, and its agents and officers, shall take cognizance of all complaints of all violations of the provisions of sections [290.210 to 290.340](#) committed in the course of the execution of the contract, and, when making payments to the contractor becoming due under the contract, shall withhold and retain therefrom all sums and amounts due and owing as a result of any violation of sections [290.210 to 290.340](#). Any contractor may withhold from any subcontractor sufficient sums to cover any penalties withheld by the awarding public body on account of the subcontractor's failure to comply with the terms of sections [290.210 to 290.340](#), and if payment has already been made, the contractor may recover from the subcontractor the amount of the penalty in a suit at law.

2. In determining whether a violation of sections [290.210 to 290.340](#) has occurred, and whether a penalty shall be imposed pursuant to subsection 1 of this section, the department shall investigate any complaint made by an interested party listed under section [290.240](#). Upon completing such investigation, the department shall notify the employer of its findings. If the department concludes that a violation of sections [290.210 to 290.340](#) has occurred and a penalty may be due, the department shall notify the employer of such finding by providing a notice of penalty to the employer. Such penalty shall not be due until forty-five days after the date of the notice of the penalty.

3. The employer shall have the right to dispute such notice of penalty in writing to the department within forty-five days of the date of the notice. Upon receipt of this written notice of dispute, the department shall notify the employer of the right to resolve such dispute through arbitration. The state and the employer shall submit to an arbitration process to be established by the department by rule, and in conformance with the guidelines and rules of the American Arbitration Association or other

arbitration process mutually agreed upon by the employer and the state. If at any time prior to the department pursuing an enforcement action to enforce the monetary penalty provisions of subsection 1 of this section against the employer, the employer pays the back wages as determined by either the department or the arbitrator, the department shall be precluded from initiating any enforcement action to impose the monetary penalty provisions of subsection 1 of this section.

4. If the employer fails to pay all wages due as determined by the arbitrator within forty-five days following the conclusion of the arbitration process, or if the employer fails to exercise the right to seek arbitration, the department may then pursue an enforcement action to enforce the monetary penalty provisions of subsection 1 of this section against the employer. If the court orders payment of the penalties as prescribed in subsection 1 of this section, the department shall be entitled to recover its actual cost of enforcement from such penalty amount.

5. Nothing in this section shall be interpreted as precluding an action for enforcement filed by an aggrieved employee as otherwise provided in law.

(L. 1957 p. 574 § 4, A.L. 1969 S.B. 142, A.L. 2007 S.B. 339, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.257. Determination of prevailing wage — annual calculation — final determination, when — occupational titles, applicability. — 1. (1) In determining the prevailing wage rate, the department shall accept and consider information submitted in either paper or electronic format regarding local wage rates for construction projects that occurred during the year preceding the annual wage order to be issued, provided that information regarding local wage rates for entry-level workers and federally registered apprentices shall not be considered.

(2) (a) The prevailing wage rate for each occupational title shall be equal to the weighted average wage for that occupational title.

(b) For purposes of this subdivision, the following terms shall mean:

a. **"Reported wage sum"**, for each occupational title, the sum of every product of each reported wage rate, which shall include fringe benefits, multiplied by the total number of reportable hours at such wage rate; and

b. **"Weighted average wage"**, the reported wage sum for each occupational title divided by the total number of reportable hours for that occupational title.

2. The department shall annually calculate the public works contracting minimum wage in each locality. The public works contracting minimum wage shall be equal to

one hundred twenty percent of the average hourly wage in a particular locality, as determined by the Missouri economic research and information center within the department of economic development, or any successor agency.

3. A final determination of the prevailing hourly rate of wages and the public works contracting minimum wage applicable to every locality to be contained in an annual wage order shall be made annually on or before July 1, 2019, and July first of each year thereafter. The wage order shall remain in effect until superseded by a new annual wage order. The department shall, by March 10, 2019, and March tenth of each year thereafter, make an initial determination of the prevailing wage rate for each occupational title within the locality as well as an initial determination as to the public works contracting minimum wage. Objections may be filed as to any initial determination as provided in section [290.262](#).

4. (1) If the total number of reportable hours that are paid pursuant to a collective bargaining agreement and the total number of reportable hours that are not paid pursuant to a collective bargaining agreement equal or exceed, in the aggregate, one thousand hours for any particular occupational title within a locality, workers engaged in that occupational title in such locality shall be paid the prevailing wage rate determined by the department pursuant to this section.

(2) If the total number of reportable hours that are paid pursuant to a collective bargaining agreement and the total number of reportable hours that are not paid pursuant to a collective bargaining agreement do not equal or exceed, in the aggregate, one thousand hours for any particular occupational title within a locality, workers engaged in that occupational title in such locality shall be paid the public works contracting minimum wage.

5. For purposes of this section, the term "**reportable hours**" shall mean hours reported by a contractor for work performed under such contractor in a particular occupational title within a particular locality.

6. (1) The different types of occupational titles to which sections [290.210 to 290.340](#) shall apply shall be limited to, and shall include, all of the following:

(a) Asbestos worker;

(b) Boilermaker;

(c) Bricklayer;

(d) Carpenter, which shall include pile driver, millwright, lather, and linoleum layer;

- (e) Cement mason, which shall include plasterer;
- (f) Communications technician;
- (g) Electrician;
- (h) Elevator constructor;
- (i) Glazier;
- (j) Ironworker;
- (k) General laborer, including first semi-skilled laborer and second semi-skilled laborer;
- (l) Mason, which shall include marble mason, marble finisher, terrazzo worker, terrazzo finisher, tile setter, and tile finisher;
- (m) Operating engineer, which shall include operating engineer group one, operating engineer group two, operating engineer group three, operating engineer group three-A, operating engineer group four, and operating engineer group five;
- (n) Outside lineman, lineman operator, groundman, lineman tree trimmer, groundman tree trimmer, and any combination thereof;
- (o) Painter;
- (p) Plumber, which shall include pipefitter;
- (q) Roofer;
- (r) Sheet metal worker;
- (s) Sprinkler fitter; and
- (t) Truck driver, which shall include truck control service driver, truck driver group one, truck driver group two, truck driver group three, and truck driver group four.

(2) Each occupational title listed in subdivision (1) of this subsection shall have the same meaning and description as given to such occupational title in 8 CSR 30-3.060.

(L. 2018 H.B. 1729, et al.)

8/28/2018

290.260. Determination of hourly rate for heavy and highway construction work, when made, where filed, objections, hearing, determination. — 1. The department, as it deems necessary, shall from time to time investigate and determine the prevailing hourly rate of wages for heavy and highway construction work in the localities. In doing so, the department shall accept and consider information regarding local wage

rates that is submitted in either paper or electronic formats. A determination applicable to every locality to be contained in a general wage order shall be made annually on or before July first of each year for the Missouri state highways and transportation commission and shall remain in effect until superseded by a new general wage order. In determining prevailing rates, the department shall ascertain and consider the applicable wage rates established by collective bargaining agreements, if any, and the rates that are paid generally within the locality.

2. A certified copy of the determination so made shall be filed immediately with the secretary of state and with the department in Jefferson City. Copies shall be supplied by the department to all persons requesting them within ten days after the filing.

3. At any time within thirty days after the certified copies of the determinations have been filed with the secretary of state and the department, any person who is affected thereby may object in writing to the determination or the part thereof that he deems objectionable by filing a written notice with the department, stating the specific grounds of the objection.

4. Within thirty days of the receipt of the objection, the department shall set a date for a hearing on the objection. The date for the hearing shall be within sixty days of the receipt of the objection. Written notice of the time and place of the hearing shall be given to the objectors at least ten days prior to the date set for the hearing.

5. The department at its discretion may hear each written objection separately or consolidate for hearing any two or more written objections. At the hearing the department shall first introduce in evidence the investigation it instituted and the other facts which were considered at the time of the original determination which formed the basis for its determination. The department, or the objector, or any interested party, thereafter may introduce any evidence that is material to the issues.

6. Within twenty days of the conclusion of the hearing, the department must rule on the written objection and make the final determination that it believes the evidence warrants. Immediately, the department shall file a certified copy of its final determination with the secretary of state and with the department and shall serve a copy of the final determination on all parties to the proceedings by personal service or by registered mail.

7. This final decision of the department of the prevailing wages in the locality is subject to review in accordance with the provisions of [chapter 536](#). Any person affected, whether or not the person participated in the proceedings resulting in the final determination, may have the decision of the department reviewed. The filing of

the final determination with the secretary of state shall be considered a service of the final determination on persons not participating in the administrative proceedings resulting in the final determination.

8. At any time before trial any person affected by the final determination of the department may intervene in the proceedings to review under [chapter 536](#) and be made a party to the proceedings.

9. All proceedings in any court affecting a determination of the department under the provisions of sections [290.210 to 290.340](#) shall have priority in hearing and determination over all other civil proceedings pending in the court, except election contests.

(L. 1957 p. 574 § 8, A.L. 1965 p. 95, A.L. 1969 S.B. 142, A.L. 2013 H.B. 34)

(1962) The function of the court in reviewing decision of industrial commission fixing hourly wage rate is to decide if the determination was authorized by law and supported by competent and substantial evidence upon the whole record. *United Bro. of Carpenters, etc. v. Industrial Commission (A.)*, 363 S.W.2d 82.

8/28/2013



290.262. Determination of hourly rate, certification — objections, hearings — final determination — notice to department by public body, when. — 1. A certified copy of any initial wage determinations made pursuant to section [290.257](#) shall be filed immediately with the secretary of state and with the department in Jefferson City. Copies shall be supplied by the department to all persons requesting them within ten days after the filing.

2. At any time within thirty days after the certified copies of the determinations have been filed with the secretary of state and the department, any person who is affected thereby may object in writing to a determination or a part thereof that he or she deems objectionable by filing a written notice with the department, stating the specific grounds of the objection. If no objection is filed, the determination is final after thirty days.

3. After the receipt of the objection, the department shall set a date for a hearing on the objection. The date for the hearing shall be within sixty days of the receipt of the objection. Written notice of the time and place of the hearing shall be given to the objectors at least ten days prior to the date set for the hearing.

4. The department at its discretion may hear each written objection separately or consolidate for hearing any two or more written objections. At the hearing the department shall first introduce in evidence the investigation it instituted and the other facts which were considered at the time of the original determination which formed the basis for its determination. The department, or the objector, or any interested party, thereafter may introduce any evidence that is material to the issues.

5. Within twenty days of the conclusion of the hearing, the department shall rule on the written objection and make the final determination that it believes the evidence warrants. Immediately, the department shall file a certified copy of its final determination with the secretary of state and with the department and shall serve a copy of the final determination on all parties to the proceedings by personal service or by registered mail.

6. This final decision of the department of the prevailing wages in the locality for each occupational title is subject to review in accordance with the provisions of [chapter 536](#). Any person affected, whether or not the person participated in the proceedings resulting in the final determination, may have the decision of the department reviewed. The filing of the final determination with the secretary of state shall be considered a service of the final determination on persons not participating in the administrative proceedings resulting in the final determination.

7. At any time before trial any person affected by the final determination of the department may intervene in the proceedings to review under [chapter 536](#) and be made a party to the proceedings.

8. Any annual wage order made for a particular occupational title in a locality, that is based on the number of hours worked under a collective bargaining agreement, may be altered once each year, as provided in this subsection. The prevailing wage for each such occupational title may be adjusted on the anniversary date of any collective bargaining agreement which covers all persons in that particular occupational title in the locality in accordance with any annual incremental wage increases set in the collective bargaining agreement. If the prevailing wage for an occupational title is adjusted pursuant to this subsection, the employee's representative or employer in regard to such collective bargaining agreement shall notify the department of this adjustment, including the effective date of the adjustment. The adjusted prevailing wage shall be in effect until the next final annual wage order is issued pursuant to this section. The wage rates for any particular job, contracted and commenced within sixty days of the contract date, which were set as a result of the annual or revised wage order, shall remain in effect for the duration of that particular job.

9. In addition to all other reporting requirements of sections 290.210 to 290.340, each public body which is awarding a contract for a public works project shall, prior to beginning of any work on such public works project, notify the department, on a form prescribed by the department, of the scope of the work to be done, the various types of craftsmen who will be needed on the project, and the date work will commence on the project.

(L. 1993 H.B. 638, A.L. 2013 H.B. 34, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.263. Wage rates to equal or exceed federal minimum wage. — The wage rates required to be paid to workers upon public works pursuant to sections 290.210 to 290.340 shall not be less than the minimum wage specified under Section 6(a)(1) of the Fair Labor Standards Act of 1938, as amended.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.265. Wage rates posted, where. — A clearly legible statement of all wage rates required to be paid to all workers employed in order to execute the contract and employed on the construction of the public works shall be kept posted in a prominent and easily accessible place at the site thereof by each contractor and subcontractor engaged in the public works projects under sections 290.210 to 290.340 and such notice shall remain posted during the full time that any such worker shall be employed on the public works.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.270. Declaration as to wages final — maximum wages and hours not limited. — The finding of the department ascertaining and declaring the prevailing hourly rate of wages and the public works contracting minimum wage shall be final for the locality, unless reviewed under the provisions of sections 290.210 to 290.340. Nothing in sections 290.210 to 290.340, however, shall be construed to prohibit the payment to any worker employed on any public work of more than the prevailing hourly rate of wages or the public works contracting minimum wage. Nothing in sections 290.210 to 290.340 shall be construed to limit the hours of work which may be performed by any worker in any particular period of time.

(L. 1957 p. 574 § 7, A.L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.280. Administration of oaths — subpoenas — enforcement of subpoenas. —

The authorized representative of the department may administer oaths, take or cause to be taken the depositions of witnesses, and require by subpoena the attendance and testimony of witnesses and the production of all books, records, and other evidence relative to any matter under investigation or hearing. The subpoena shall be signed and issued by the department's authorized representative. In case of failure of any person to comply with any subpoena lawfully issued under this section, or on the refusal of any witness to produce evidence or to testify to any matter regarding which he may be lawfully interrogated, the authorized representative of the department may proceed to enforce obedience to the subpoenas in the manner provided by section [536.077](#) for administrative agencies. The authorized representative of the department shall have the power to certify to official acts.

(L. 1957 p. 574 § 9, A.L. 1961 p. 438)

8/28/1961

290.290. Contractor's payroll records, contents — affidavit of compliance required — signs on motor vehicles and equipment, requirements — temporary stationary sign, when — exception. — 1. The contractor and each subcontractor engaged in any construction of public works shall keep full and accurate records clearly indicating the names, occupations and crafts of every worker employed by them in connection with the public work together with an accurate record of the number of hours worked by each worker and the actual wages paid therefor. The payroll records required to be so kept shall be open to inspection by any authorized representative of the contracting public body or of the department at any reasonable time and as often as may be necessary and such records shall not be destroyed or removed from the state for the period of one year following the completion of the public work in connection with which the records are made.

2. Each contractor and subcontractor shall file with the contracting public body upon completion of the public work and prior to final payment therefor an affidavit stating that he or she had fully complied with the provisions and requirements of sections [290.210](#) to [290.340](#), and no public body shall be authorized to make final payment until such affidavit is filed therewith in proper form and order.

3. Each contractor and subcontractor engaged in any construction of public works shall have its name, acceptable abbreviation or recognizable logo and the name of the city and state of the mailing address of the principal office of the company, on each

motor vehicle and motorized self-propelled piece of equipment which is used in connection with such public works project during the time the contractor or subcontractor is engaged on such project. The sign shall be legible from a distance of twenty feet but the size of the lettering need not be larger than two inches. In cases where equipment is leased or where affixing a legible sign to the equipment is impractical, the contractor may place a temporary stationary sign, with the information required pursuant to this subsection, at the main entrance of the construction project in place of affixing the required information on the equipment so long as such sign is not in violation of any state or federal statute, rule or regulation. Motor vehicles which are required to have similar information affixed thereto pursuant to requirements of a regulatory agency of the state or federal government are exempt from the provisions of this subsection.

4. The provisions of subsection 3 of this section shall not apply to construction of public works for which the contract awarded is in the amount of two hundred fifty thousand dollars or less.

(L. 1957 p. 574 § 5, A.L. 1969 S.B. 142, A.L. 1993 H.B. 416 & 417, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.300. Actions for wages by worker authorized. — Any worker employed by the contractor or by any subcontractor under the contractor who shall be paid for his or her services in a sum less than the stipulated rates for work done under the contract, shall have a right of action for double whatever difference there may be between the amount so paid and the rates provided by the contract together with a reasonable attorney's fee to be determined by the court, and an action brought to recover same shall be deemed to be a suit for wages, and any and all judgments entered therein shall have the same force and effect as other judgments for wages.

(L. 1957 p. 574 § 10, A.L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.305. Rebates by workers prohibited, exception. — No person, firm or corporation shall violate the wage provisions of any contract contemplated in sections [290.210 to 290.340](#) or suffer or require any employee to work for less than the rate of wages so fixed, or violate any of the provisions contained in sections [290.210 to 290.340](#). Where workers are employed and their rate of wages has been determined as provided in sections [290.210 to 290.340](#), no person, either on his or her behalf or for

any other person, shall request, demand or receive, either before or after such worker is engaged, that such worker pay back, return, donate, contribute, or give any part or all of said worker's wages, salary, or thing of value, to any person, upon the statement, representation, or understanding that failure to comply with such request or demand will prevent such worker from procuring or retaining employment, and no person shall, directly or indirectly, pay, request or authorize any other person to violate this section. This section shall not apply to any agent or representative of a duly constituted labor organization acting in the collection of dues or assessments of such organization.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.315. Deductions from wages, agreement to be written, approval of public body required. — All contractors and subcontractors subject to sections [290.210 to 290.340](#) shall make full payment of the required wages in legal tender, without any deduction for food, sleeping accommodations, transportation, use of small tools, or any other thing of any kind or description. This section shall not apply where the employer and employee enter into an agreement in writing at the beginning of said term of employment covering deductions for food, sleeping accommodations, or other similar items, provided such agreement is submitted by the employer to the public body awarding the contract and the same is approved by such public body as fair and reasonable.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.320. Advertising for bids before wage rates are determined prohibited. — No public body, officer, official, member, agent or representative authorized to contract for public works shall fail, before advertising for bids or contracting for such construction, to have the department determine the wage rates in the locality where the work is to be performed as provided in sections [290.210 to 290.340](#).

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.325. Awarding contract or payment without wage rate determination prohibited. — No public body, officer, official, member, agent or representative thereof authorized to contract for public works shall award a contract for the

construction of such improvement or disburse any funds on account of the construction of such public improvement, unless such public body has first had the department determine the rates of wages required to be paid in the locality where the work is to be performed and such determination has been made a part of the specifications and contract for such public works.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018

290.330. Convicted violators of sections 290.210 to 290.340 listed, effect of. — The department after investigation, upon complaint made by an interested party listed under section [290.240](#) or upon its own initiative, shall file with the secretary of state a list of the contractors and subcontractors who it finds have been prosecuted and convicted for violations of sections [290.210 to 290.340](#) and such contractor or subcontractor, or simulations thereof, shall be prohibited from contracting directly or indirectly with any public body for the construction of any public works or from performing any work on the same as a contractor or subcontractor for a period of one year from the date of the first conviction for such violation and for a period of three years from the date of each subsequent violation and conviction thereof. No public body shall award a contract for a public works to any contractor or subcontractor, or simulation thereof, during the time that its name appears on said list. The filing of the notice of conviction with the secretary of state shall be notice to all public bodies and their officers, officials, members, agents and representatives.

(L. 1969 S.B. 142, A.L. 2018 H.B. 1729, et al.)

8/28/2018



290.335. Notice of violation, failure to comply, attorney general shall sue, injunctive relief authorized. — If it is found that a public body, contractor or subcontractor has not complied with any of the terms of sections [290.210 to 290.340](#), the department shall give notice of the precise violation in writing to such public body, contractor or subcontractor. Sufficient time may be allowed for compliance therewith as the department deems necessary. After the expiration of the time prescribed in said notice, the department may in writing inform the attorney general of the fact that such notice has been given and that the public body, contractor or subcontractor or the authorized representative or agent thereof to whom it was directed has not complied with such notice. Upon receipt thereof, the attorney general shall at the earliest possible time bring suit in the name of the state in the circuit court of the county in

which such public body is located or where any such contractor or subcontractor is engaged in any public works to enjoin the award of such contract for a public works, or any further work or payments thereunder if the contract has been awarded, until the requirements of such notice are fully complied with. The court may issue a temporary restraining order with due notice to the defendant in such action. The plaintiff shall in any such injunctive action post an adequate bond to be set by the circuit judge. Upon final hearing thereof, if the court is satisfied that the requirements of the notice by the department to the defendant were not unreasonable or arbitrary, it shall issue an order enjoining the awarding of such contract for a public works, or any further work or payments thereunder if the contract has been awarded, until the notice is fully complied with. Such injunction shall continue operative until the court is satisfied that the requirements of such notice have been complied with and the court shall have and exercise with respect to the enforcement of such injunctions all the power in it in other similar cases. Both the plaintiff and defendant in such action have the same rights of appeal as are provided by law in other injunction proceedings.

(L. 1969 S.B. 142)

8/28/1969

290.340. Penalty for violation. — Any officer, official, member, agent or representative of any public body, contractor or subcontractor who willfully violates and omits to comply with any of the provisions and requirements of sections [290.210](#) to [290.340](#) shall be punished for each violation thereof by a fine not exceeding five hundred dollars, or by imprisonment not exceeding six months, or by both such fine and imprisonment. Each day such violation or omission continues shall constitute a separate offense as contemplated by this section.

(L. 1969 S.B. 142)

8/28/1969

290.350. Request for arbitration, when, how made — board to be appointed. — Whenever a dispute exists concerning wages, hours of labor, or conditions of employment of members of a paid fire department of any county, city, town, fire district, or other governmental unit having a population in excess of twenty thousand or located in a county of the first class, and a request for arbitration is made by either party to the dispute, a firemen's arbitration board shall be appointed as provided in sections [290.350](#) to [290.380](#). Request for arbitration may be made by written petition signed by at least fifty-one percent of the employees of the fire department or by

resolution of the county commission, council, board, or other governing body having direction and control over the fire department.

(L. 1963 p. 415 § 1)

(1968) As applied to constitutional charter cities, §§ 290.350 and 290.360 are unconstitutional and void as imposing duties upon a municipal officer. State ex rel. Burke v. Cervantes, 423 S.W.2d 791 (Mo.).

8/28/1963



290.360. Board members — selected, how — officers. — The board shall consist of five members, four of whom shall be appointed by the chief executive officer of the county, city, town, fire district, or other governmental unit involved, and shall be qualified voters of the county, city, town, fire district, or other governmental unit involved. Two of these appointments shall be made from a list of four or more, submitted by the employees. If the request for arbitration is initiated by petition of the employees, the petition shall be accompanied by a list of four or more persons. If the request for arbitration is initiated by the county commission, council, board or other governing body having direction and control over the fire department, the chief executive officer of the county, city, town, fire district, or other governmental unit shall mail a copy of the resolution, together with a request for the submission of a list of four or more prospective members of the firemen's arbitration board to representatives of the employees of the fire department. The four members appointed by the chief executive officer shall select the fifth member of the board, who may or may not be a registered voter of the county, city, town, fire district, or other governmental unit involved. The board shall meet and organize as soon as possible after its appointment. The board shall select from its membership a chairman and any other officers it considers necessary, and make rules of procedure governing its hearings.

(L. 1963 p. 415 § 2)

(1968) As applied to constitutional charter cities, §§ 290.350 and 290.360, RSMo, are unconstitutional and void as imposing duties upon a municipal officer. State ex rel. Burke v. Cervantes, 423 S.W.2d 791 (Mo.).

8/28/1963

290.370. Hearing and recommendations of board. — The board shall conduct hearings, with dispatch, for the purpose of hearing evidence relevant to the subject of the dispute, and shall, as soon as practicable, report its findings and recommendations in writing to the chief executive officer of the county, city, town, fire district, or other

governmental unit involved, and to any organization of firemen involved. The report shall be concurred in by at least three members of the board. The recommendation shall be advisory only and shall not be binding upon the county, city, town, fire district, or other governmental unit, or upon the members of the fire department involved.

(L. 1963 p. 415 § 3)

8/28/1963

290.380. Expenses of board members to be paid. — Members of the board shall serve without compensation. All necessary expenses of any hearing conducted by the board members, certified to by all the members of the board, shall be paid by the county, city, town, fire district, or other governmental unit involved.

(L. 1963 p. 415 § 4)

8/28/1963



290.400. Definitions. — As used in sections [290.400](#) to [290.450](#) the following words have the meanings indicated unless the context clearly requires otherwise:

- (1) "**Commission**", the labor and industrial relations commission of Missouri;
- (2) "**Employee**", every woman or man in receipt of or entitled to compensation for labor performed for any employer;
- (3) "**Employer**", every person, firm, corporation, agent, manager, representative, contractor, subcontractor, principal or other person having control or direction of any woman or man employed at any labor, or responsible directly or indirectly for the wages of another;
- (4) "**Female**", a woman of eighteen years or over;
- (5) "**Wage rates**" or "**wages**", any compensation for labor measured by time, piece, or otherwise.

(L. 1963 p. 416 § 1)

8/28/1963

290.410. Employer not to pay female lower wage. — Notwithstanding any other provisions of the law, no employer shall pay any female in his employ at wage rates less than the wage rates paid to male employees in the same establishment for the same quantity and quality of the same classification of work, provided that nothing herein shall prohibit a variation of rates of pay for male and female employees

engaged in the same classification of work based upon a difference in seniority, length of service, ability, skill, difference in duties or services performed, difference in the shift or time of day worked, hours of work, or restrictions or prohibitions on lifting or moving objects in excess of specified weight, or other reasonable differentiation, or factors other than sex, when exercised in good faith.

(L. 1963 p. 416 § 2)

8/28/1963

290.420. Female may register complaint. — Any affected female employee may register with the commission a complaint that the wages paid to her are less than the wages to which she is entitled under sections [290.400 to 290.450](#).

(L. 1963 p. 416 § 4)

8/28/1963



290.430. Labor and industrial relations commission to mediate wage disputes. — The commission shall take all proceedings necessary to mediate the dispute concerning the payment of any sums alleged to be due and unpaid to the female employees. The commission shall have the power to issue such regulations not inconsistent with the purpose and provisions of sections [290.400 to 290.450](#), as it deems necessary or appropriate for the administration thereof.

(L. 1963 p. 416 § 5, A.L. 1965 p. 95)

8/28/1965

290.440. Female may recover wages, when — burden of proof. — 1. Any employer who violates section [290.410](#) is liable to the female employee affected in the amount of the wages of which the female employee is deprived by reason of the violation.

2. Any female employee receiving less than the wage to which she is entitled under sections [290.400 to 290.450](#) may recover in a civil action the balance of the wages, together with the costs of suit, notwithstanding any agreement to work for a lesser wage.

3. The burden of proof shall be upon the person bringing the claim to establish that the differentiation in rate of pay is based upon the factor of sex and not upon other differences or factors.

(L. 1963 p. 416 §§ 3, 6, 8)

8/28/1963

290.450. Actions to be instituted in circuit court — limitations. — Any action based upon or arising under sections 290.400 to 290.450 shall be instituted in the circuit court within six months after the date of the alleged violation, but in no event shall any employer be liable for any pay due under sections 290.400 to 290.450 for more than thirty days prior to receipt by the employer of written notice of claim thereof from the female employee.

(L. 1963 p. 416 § 7)

8/28/1963



290.460. Powers and duties of commission. — The commission shall carry on a continuing program of education, information, study, and community organization concerning the problems of female employees in seeking, obtaining and holding employment without discrimination on account of sex. The commission's power and duties shall include but not be limited to the following:

- (1) Promote in cooperation with the federal government, state, local and private agencies and organizations, programs to eliminate discrimination in employment based solely on sex;
- (2) Promote research with the view to reducing barriers based solely on sex in the hire, employment and retention of female employees;
- (3) Sponsor and correlate in communities of the state, information and educational programs intended to reduce or abolish discrimination in employment based solely on sex;
- (4) Recommend to the governor, from time to time, any specific proposals for legislation as may be deemed necessary and proper for the elimination in employment of discrimination based solely on sex.

(L. 1965 p. 439)

8/28/1965

290.500. Definitions. — As used in sections 290.500 to 290.530, the following words and phrases mean:

- (1) "**Agriculture**", farming and all its branches including, but not limited to, the cultivation and tillage of the soil, dairying, the production, cultivation, growing and harvesting of any agricultural commodities, the raising of livestock, fish and other marine life, bees, fur-bearing animals or poultry and any practices performed by a farmer or on a farm as an incident to or in conjunction with farming operations,

including preparation for market, delivery to storage or to market or to carriers for transportation to market;

(2) "**Director**", the director of the department of labor and industrial relations or his authorized representative;

(3) "**Employee**", any individual employed by an employer, except that the term "employee" shall not include:

(a) Any individual employed in a bona fide executive, administrative, or professional capacity;

(b) Any individual engaged in the activities of an educational, charitable, religious, or nonprofit organization where the employer-employee relationship does not, in fact, exist or where the services rendered to the organization are on a voluntary basis;

(c) Any individual standing in loco parentis to foster children in their care;

(d) Any individual employed for less than four months in any year in a resident or day camp for children or youth, or any individual employed by an educational conference center operated by an educational, charitable or not-for-profit organization;

(e) Any individual engaged in the activities of an educational organization where employment by the organization is in lieu of the requirement that the individual pay the cost of tuition, housing or other educational fees of the organization or where earnings of the individual employed by the organization are credited toward the payment of the cost of tuition, housing or other educational fees of the organization;

(f) Any individual employed on or about a private residence on an occasional basis for six hours or less on each occasion;

(g) Any handicapped person employed in a sheltered workshop, certified by the department of elementary and secondary education;

(h) Any person employed on a casual basis to provide baby-sitting services;

(i) Any individual employed by an employer subject to the provisions of part A of subtitle IV of title 49, United States Code, 49 U.S.C. §§ 10101 et seq.;

(j) Any individual employed on a casual or intermittent basis as a golf caddy, newsboy, or in a similar occupation;

(k) Any individual whose earnings are derived in whole or in part from sales commissions and whose hours and places of employment are not substantially controlled by the employer;

(l) Any individual who is employed in any government position defined in 29 U.S.C. §§ 203(e)(2)(C)(i)-(ii);

(m) Any individual employed by a retail or service business whose annual gross volume sales made or business done is less than five hundred thousand dollars;

(n) Any individual who is an offender, as defined in section 217.010, who is incarcerated in any correctional facility operated by the department of corrections, including offenders who provide labor or services on the grounds of such correctional facility pursuant to section 217.550;

(o) Any individual described by the provisions of section 29 U.S.C. 213(a) (8);

(4) "**Employer**", any person acting directly or indirectly in the interest of an employer in relation to an employee;

(5) "**Learner and apprentice**", any individual under 20 years of age who has not completed the required training for a particular job. In no event shall the individual be deemed a learner or apprentice in the occupation after three months of training except where the director finds, after investigation, that for the particular occupation a minimum of proficiency cannot be acquired in three months. In no case shall a person be declared to be a learner or apprentice after six months of training for a particular employer or job. Employees of an amusement or recreation business that meets the criteria set out in 29 U.S.C. § 213(a) (3) may be deemed a learner or apprentice for ninety working days. No individual shall be deemed a learner or apprentice solely for the purpose of evading the provisions of sections 290.500 to 290.530;

(6) "**Occupation**", any occupation, service, trade, business, industry, or branch or group of industries or employment or class of employment in which individuals are gainfully employed;

(7) "**Wage**", compensation due to an employee by reason of his employment, payable in legal tender of the United States or checks on banks convertible into cash on demand at full face value;

(8) "**Person**", any individual, partnership, association, corporation, business, business trust, legal representative, or any organized group of persons;

(9) "**Man-day**", any day during which an employee performs any agricultural labor for not less than one hour.

(L. 1990 H.B. 1881 § 1, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.502. Minimum wage rate — increase or decrease, when. — 1. Except as may be otherwise provided pursuant to sections [290.500 to 290.530](#), effective January 1, 2007, every employer shall pay to each employee wages at the rate of \$6.50 per hour, or wages at the same rate or rates set under the provisions of federal law as the prevailing federal minimum wage applicable to those covered jobs in interstate commerce, whichever rate per hour is higher.

2. The minimum wage shall be increased or decreased on January 1, 2008, and on January 1 of successive years, by the increase or decrease in the cost of living. On September 30, 2007, and on each September 30 of each successive year, the director shall measure the increase or decrease in the cost of living by the percentage increase or decrease as of the preceding July over the level as of July of the immediately preceding year of the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) or successor index as published by the U.S. Department of Labor or its successor agency, with the amount of the minimum wage increase or decrease rounded to the nearest five cents.

3. Except as may be otherwise provided pursuant to sections [290.500 to 290.530](#), and notwithstanding subsection 1* of this section, effective January 1, 2019, every employer shall pay to each employee wages at the rate of not less than \$8.60 per hour, or wages at the same rate or rates set under the provisions of federal law as the prevailing federal minimum wage applicable to those covered jobs in interstate commerce, whichever rate per hour is higher. Thereafter, the minimum wage established by this subsection shall be increased each year by \$.85 per hour, effective January 1 of each of the next four years, until it reaches \$12.00 per hour, effective January 1, 2023. Thereafter, the minimum wage established by this subsection shall be increased or decreased on January 1, 2024, and on January 1 of successive years, per the method set forth in subsection 2** of this section. If at any time the federal minimum wage rate is above or is thereafter increased above the minimum wage then in effect under this subsection, the minimum wage required by this subsection shall continue to be increased pursuant to this subsection ***, but the higher federal rate shall immediately become the minimum wage required by this subsection and shall be increased or decreased per the method set forth in subsection 2** for so long as it remains higher than the state minimum wage required and increased pursuant to this subsection.

4. For purposes of this section, the term "**public employer**" means an employer that is the state or a political subdivision of the state, including a department, agency, officer, bureau, division, board, commission, or instrumentality of the state, or a city,

county, town, village, school district, or other political subdivision of the state. Subsection 3**** of this section shall not apply to a public employer with respect to its employees. Any public employer that is subject to subsections 1* and 2** of this section shall continue to be subject to those subsections.

(L. 1990 H.B. 1881 § 2, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006, A.L. 2018 Adopted by Initiative, Proposition B, November 6, 2018)

Effective 11-06-18

*Words "subsection (1)" appear in original rolls.

**Words "subsection (2)" appear in original rolls.

***Number "(3)" appears here in original rolls.

****Words "subsection (3)" appear in original rolls.

11/6/2018



290.505. Overtime compensation, applicable number of hours, exceptions. —

1. No employer shall employ any of his employees for a workweek longer than forty hours unless such employee receives compensation for his employment in excess of the hours above specified at a rate not less than one and one-half times the regular rate at which he is employed.

2. Employees of an amusement or recreation business that meets the criteria set out in 29 U.S.C. 213(a)(3) must be paid one and one-half times their regular compensation for any hours worked in excess of fifty-two hours in any one-week period.

3. With the exception of employees described in subsection (2), the overtime requirements of subsection (1) shall not apply to employees who are exempt from federal minimum wage or overtime requirements including, but not limited to, the exemptions or hour calculation formulas specified in 29 U.S.C. Sections 207 and 213, and any regulations promulgated thereunder.

4. Except as may be otherwise provided under sections [290.500 to 290.530](#), this section shall be interpreted in accordance with the Fair Labor Standards Act, 29 U.S.C. Section 201, et seq., as amended, and the Portal to Portal Act, 29 U.S.C. Section 251, et seq., as amended, and any regulations promulgated thereunder.

(L. 1990 H.B. 1881 § 3, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006, A.L. 2008 H.B. 1883 merged with H.B. 2041)

Effective 6-25-08 (H.B. 2041); 8-28-08 (H.B. 1883)

8/28/2008

290.507. Agriculture, law not applicable. — Sections 290.500 to 290.530 shall not apply to any employee or employer engaged in agriculture, as defined in section 290.500 (A) if such employee is employed by an employer who did not, during any calendar quarter during the preceding calendar year, use more than five hundred man-days of agriculture labor, (B) if such employee is the parent, spouse, child, or other member of his employer's immediate family, (C) if such employee (i) is employed as a hand harvest laborer and is paid on a piece rate basis in an operation which has been, and is customarily and generally recognized as having been, paid on a piece rate basis in the region of employment, (ii) commutes daily from his permanent residence to the farm on which he is so employed, and (iii) has been employed in agriculture less than thirteen weeks during the preceding calendar year, (D) if such employee (other than an employee described in clause (C) of this subsection) (i) is sixteen years of age or under and is employed as a hand harvest laborer, is paid on a piece rate basis in an operation which has been, and is customarily and generally recognized as having been, paid on a piece rate basis in the region of employment, (ii) is employed on the same farm as his parent or person standing in the place of his parent, and (iii) is paid at the same piece rate as employees over age sixteen are paid on the same farm, or (E) if such employee is principally engaged in the range production of livestock.

(L. 1990 H.B. 1881 § 4, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.510. Director may investigate to prove compliance. — The director shall have authority to investigate and ascertain the wages of persons employed in any occupation included within the meaning of sections 290.500 to 290.530.

(L. 1990 H.B. 1881 § 5, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006



290.512. Gratuities, goods or services as part of wages, effect on minimum wage requirements. — 1. No employer of any employee who receives and retains compensation in the form of gratuities in addition to wages is required to pay wages in excess of fifty percent of the minimum wage rate specified in sections 290.500 to 290.530, however, total compensation for such employee shall total at least the minimum wage specified in sections 290.500 to 290.530, the difference being made up by the employer.

2. If an employee receives and retains compensation in the form of goods or services as an incident of his employment and if he is not required to exercise any discretion in order to receive the goods or services, the employer is required to pay only the difference between the fair market value of the goods and services and the minimum wage otherwise required to be paid by sections 290.500 to 290.530. The fair market value of the goods and services shall be computed on a weekly basis. The director shall provide by regulation a method of valuing the goods and services received by any employee in lieu of the wages otherwise required to be paid under the provisions of sections 290.500 to 290.530. He shall also provide by regulation a method of determining those types of goods and services that are an incident of employment the receipt of which does not require any discretion on the part of the employee.

(L. 1990 H.B. 1881 § 6, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.515. Physical or mental deficiency of employee, wage rate, determined by director, how. — After a public hearing at which any person may be heard, the director shall provide by regulation for the employment in any occupation of individuals whose earning capacity is impaired by physical or mental deficiency at wages lower than the wage rate applicable under sections 290.500 to 290.530. The individuals shall be employed as the director finds appropriate to prevent curtailment of opportunities for employment, to avoid undue hardship, and to safeguard the wage rate applicable under sections 290.500 to 290.530, except that no individual who maintains a production level within the limits required of other employees shall be paid less than the wage rate applicable under sections 290.500 to 290.530. Employees affected or their guardians shall be given reasonable notice of this hearing.

(L. 1990 H.B. 1881 § 7, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.517. Learners and apprentices, wage rate, determined by director, how. — After a public hearing of which individual employees affected must be given reasonable notice, the director shall provide by regulation for the employment in any occupation, at wages lower than the wage rate applicable under sections 290.500 to 290.530, of such learners and apprentices as he finds appropriate to prevent curtailment of opportunities for employment. Such wage rate for learners and apprentices shall be not less than 90 cents less than the minimum wage established by

sections [290.500 to 290.530](#). At no time may this provision be used for the purpose of evading the spirit and meaning of sections [290.500 to 290.530](#).

(L. 1990 H.B. 1881 § 8, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006



290.520. Employer to keep records — director may inspect, records to be confidential. — Every employer subject to any provision of sections [290.500 to 290.530](#) or any regulation issued under sections [290.500 to 290.530](#) shall make and keep for a period of not less than three years on or about the premises wherein any employee is employed or at some other premises which is suitable to the employer, a record of the name, address and occupation of each of his employees, the rate of pay, the amount paid each pay period to each employee, the hours worked each day and each workweek by the employee and any goods or services provided by the employer to the employee as provided in section [290.512](#). The records shall be open for inspection by the director by appointment. Where the records required under this section are kept outside the state, the records shall be made available to the director upon demand. Every such employer shall furnish to the director on demand a sworn statement of time records and information upon forms prescribed or approved by the director. All the records and information obtained by the department of labor and industrial relations are confidential and shall be disclosed only on order of a court of competent jurisdiction.

(L. 1990 H.B. 1881 § 9, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.522. Summary of law and wage rate, employer to post, how. — Every employer subject to any provision of sections [290.500 to 290.530](#) or of any regulations issued under sections [290.500 to 290.530](#) shall keep a summary of sections [290.500 to 290.530](#), approved by the director, and copies of any applicable wage regulations issued under sections [290.500 to 290.530](#), or a summary of the wage regulations posted in a conspicuous and accessible place in or about the premises wherein any person subject thereto is employed. Employers shall be furnished copies of the summaries and regulations by the state on request without charge.

(L. 1990 H.B. 1881 § 10, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.523. Rulemaking authority. — The department may, in accordance with [chapter 536](#), promulgate such rules and regulations as are necessary for the enforcement and administration of sections [290.500 to 290.530](#). Any rule or portion of a rule, as that term is defined in section [536.010](#), that is created under the authority delegated in this section shall become effective only if it complies with and is subject to all of the provisions of [chapter 536](#) and, if applicable, section [536.028](#). This section and [chapter 536](#) are nonseverable and if any of the powers vested with the general assembly pursuant to [chapter 536](#) to review, to delay the effective date, or to disapprove and annul* a rule are subsequently held unconstitutional, then the grant of rulemaking authority and any rule proposed or adopted after August 28, 2008, shall be invalid and void.

(L. 2008 H.B. 1883 merged with H.B. 2041)

*Word "annual" appears in original rolls of H.B. 1883, 2008.

8/28/2008



290.525. Violations — penalty. — Any employer who hinders the director in the performance of his duties in the enforcement of sections [290.500 to 290.530](#) by any of the following acts is guilty of a class C misdemeanor:

- (1) Refusing to admit the director to any place of employment;
- (2) Failing to make, keep and preserve any records as required under the provisions of sections [290.500 to 290.530](#);
- (3) Falsifying any record required under the provisions of sections [290.500 to 290.530](#);
- (4) Refusing to make any record required under the provisions of sections [290.500 to 290.530](#) accessible to the director;
- (5) Refusing to furnish a sworn statement of any record required under the provisions of sections [290.500 to 290.530](#) or any other information required for the proper enforcement of sections [290.500 to 290.530](#) to the director upon demand;
- (6) Failing to post a summary of sections [290.500 to 290.530](#) or a copy of any applicable regulation as required;

(7) Discharging or in any other manner discriminating against any employee who has notified the director that he has not been paid wages in accordance with the provisions of sections 290.500 to 290.530, or who has caused to be instituted any proceeding under or related to sections 290.500 to 290.530, or who has testified or is about to testify in any such proceeding;

(8) Paying or agreeing to pay wages at a rate less than the rate applicable under sections 290.500 to 290.530. Payment at such rate for any week or portion of a week constitutes a separate offense as to each employee;

(9) Otherwise violating any provisions of sections 290.500 to 290.530.

Each day of violation constitutes a separate offense.

(L. 1990 H.B. 1881 § 11, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.527. Action for underpayment of wages, employee may bring — limitation. — Any employer who pays any employee less wages than the wages to which the employee is entitled under or by virtue of sections 290.500 to 290.530 shall be liable to the employee affected for the full amount of the wage rate and an additional amount equal to twice the unpaid wages as liquidated damages, less any amount actually paid to the employee by the employer and for costs and such reasonable attorney fees as may be allowed by the court or jury. The employee may bring any legal action necessary to collect the claim. Any agreement between the employee and the employer to work for less than the wage rate shall be no defense to the action. All actions for the collection of any deficiency in wages shall be commenced within three years of the accrual of the cause of action.

(L. 1990 H.B. 1881 § 12, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006, A.L. 2018 Adopted by Initiative, Proposition B, November 6, 2018)

Effective 11-06-18

11/6/2018

290.528. Minimum wage and employment benefits, limitations on political subdivisions. — 1. As used in this section, the following terms shall mean:

(1) "Employee", an individual employed in this state by an employer;

(2) "Employer", any individual, sole proprietorship, partnership, limited liability company, corporation, or any other entity that is legally doing business in this state;

except that, the term "employer" shall not include any public employer, as defined in section 285.525;

(3) **"Employment benefits"**, anything of value that an employee may receive from an employer in addition to wages and salary. The term includes, but is not limited to, health, disability, retirement, profit-sharing, and death benefits; group accidental death and dismemberment benefits; paid or unpaid days off from work for holidays, sick leave, vacation, and personal necessity; and terms of employment, attendance, or leave policies;

(4) **"Political subdivision"**, any municipality, special district, local governmental body, county, city, town, or village.

2. Notwithstanding any other provisions of law to the contrary, no political subdivision shall establish, mandate, or otherwise require an employer to provide to an employee:

- (1) A minimum or living wage rate; or
- (2) Employment benefits;

that exceed state laws, rules, or regulations. Sections 290.500 to 290.530 shall preempt and nullify all political subdivision ordinances, rules, and regulations currently in effect or later enacted relating to the establishment or enforcement of a minimum or living wage or the provision of employment benefits that exceed state laws, rules, or regulations.

(L. 1990 H.B. 1881 § 13, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006, A.L. 2017 H.B. 1194 & 1193)

8/28/2017



290.529. Severability clause. — Except in the circumstances set forth in section 290.523, all the provisions of sections 290.500 to 290.530 are severable. If any provision, including any section, subsection, subdivision, paragraph, sentence, or clause, of sections 290.500 to 290.530, or the application thereof to any person or circumstance, is found by a court of competent jurisdiction to be invalid, unconstitutional, or unconstitutionally enacted, such decision shall not affect other provisions or applications of sections 290.500 to 290.530 that can be given effect without the invalid, unconstitutional, or unconstitutionally enacted provision or application.

(L. 2018 Adopted by Initiative, Proposition B, November 6, 2018)

Effective 11-06-18

11/6/2018

290.530. Law not to interfere with collective bargaining rights. — Nothing in sections [290.500 to 290.530](#) shall be deemed to interfere with, impede, or in any way diminish the right of employees to bargain collectively with their employers through representatives of their own choosing in order to establish wages or other conditions of work in excess of the applicable minimum under the provisions of sections [290.500 to 290.530](#).

(L. 1990 H.B. 1881 § 14, A.L. 2006 Adopted by Initiative, Proposition B, November 7, 2006)

12/7/2006

290.550. Definitions. — As used in sections [290.550 to 290.580](#), the following terms mean:

(1) "**Laborers from nonrestrictive states**", persons who are residents of a state which has not enacted state laws restricting Missouri laborers from working on public works projects in that state, as determined by the labor and industrial relations commission;

(2) "**Missouri laborer**", any person who has resided in Missouri for at least thirty days and intends to become or remain a Missouri resident;

(3) "**A period of excessive unemployment**", any month immediately following two consecutive calendar months during which the level of unemployment in the state has exceeded five percent as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures;

(4) "**Public works**", projects defined as public works pursuant to section [290.210](#).

(L. 1993 H.B. 416 & 417 § 1)

8/28/1993



290.555. Law to apply to certain projects. — Sections [290.550 to 290.580](#) apply to all labor on public works projects or improvements, whether skilled, semiskilled or unskilled, and whether manual or nonmanual except work done directly by any public utility company and not let to contract.

(L. 1993 H.B. 416 & 417 § 2)

8/28/1993

290.560. Certain laborers to be used on public works projects, when — contract provisions — exceptions. — Whenever there is a period of excessive unemployment in this state, every person who is charged with the duty, either by law or contract, of constructing or building any public works project or improvement for the state or any political subdivision, municipal corporation or other governmental unit thereof shall employ only Missouri laborers and laborers from nonrestrictive states on such project or improvement, and every contract let by any such person shall contain a provision requiring that such labor be used, except that other laborers may be used when Missouri laborers or laborers from nonrestrictive states are not available, or are incapable of performing the particular type of work involved, if so certified by the contractor and approved by the contracting officer.

(L. 1993 H.B. 416 & 417 § 3)

8/28/1993

290.565. Law not to apply to certain personnel. — The provisions of sections [290.550 to 290.580](#) shall not apply to regularly employed nonresident executive, supervisory or technical personnel.

(L. 1993 H.B. 416 & 417 § 4)

8/28/1993

290.570. Federal projects, statutes not enforced, when. — In all contracts involving the expenditure of federal aid funds, sections [290.550 to 290.580](#) shall not be enforced in such manner as to conflict with any federal statutes or rules and regulations.

(L. 1993 H.B. 416 & 417 § 5)

8/28/1993

290.575. Penalties for failure to use certain laborers, when. — Any person who knowingly fails to use Missouri laborers or laborers from nonrestrictive states as required in section [290.560](#) shall be guilty of an infraction. Each separate case of failure to use Missouri laborers or laborers from nonrestrictive states on such public works projects or improvements shall constitute a separate offense.

(L. 1993 H.B. 416 & 417 § 6)

8/28/1993

290.580. Department to enforce law — injunctive relief, when. — Sections [290.550 to 290.580](#) shall be enforced by the department of labor and industrial relations, which, as represented by the attorney general, is empowered to sue for injunctive relief

against the awarding of any contract or the continuation of any work under any contract for public works or improvements at a time when the provisions of sections 290.550 to 290.580 are not being met.

(L. 1993 H.B. 416 & 417 § 7)

8/28/1993

***290.590. Labor organization membership, dues, and fees not required as condition of employment — definitions — violations, penalty — investigation of complaints — inapplicability, when. — 1.** As used in this section, the following terms shall mean:

(1) **"Employer"**, any individual, organization, partnership, state agency, political subdivision, corporation, or other legal entity which employs or has employed one or more individuals performing services for the entity within this state; and

(2) **"Labor organization"**, any organization of any kind or agency, or employee representation committee or union which exists for the purpose in whole or in part of dealing with employers concerning wages, rates of pay, hours of work, other conditions of employment, or other forms of compensation.

2. No person shall be required as a condition or continuation of employment to:

(1) Become, remain, or refrain from becoming a member of a labor organization;

(2) Pay any dues, fees, assessments, or other similar charges however denominated of any kind or amount to a labor organization; or

(3) In lieu of the payments listed under subdivision (2) of this subsection, pay to any charity or other third party any amount equivalent to, or on a pro rata basis, any dues, fees, assessments, or other charges required of members of a labor organization.

3. Any agreement, understanding, or practice, written or oral, implied or expressed, between any labor organization and employer that violates the rights of employees as guaranteed under this section is unlawful, null and void, and of no legal effect.

4. Any person who violates or directs another to violate any provision of this section shall be guilty of a class C misdemeanor.

5. (1) Any person injured as a result of any violation or threatened violation of this section shall be entitled to injunctive relief against any and all violators or persons threatening violations.

(2) Any person injured as a result of any violation or threatened violation of this section may recover any and all damages of any character resulting from such

violation or threatened violation including costs and reasonable attorney fees. Such remedies shall be independent of and in addition to the other penalties and remedies prescribed under this section.

6. The prosecuting attorney or circuit attorney with jurisdiction over the location where a violation or threatened violation of this section occurs or the attorney general of this state shall investigate complaints of violation or threatened violation of this section, prosecute any person violating this section, and use all means at their command to ensure the effective enforcement of this section.

7. This section shall not apply:

- (1) To employers and employees covered by the federal Railway Labor Act;
- (2) To federal employers and employees;
- (3) To employers and employees on exclusive federal enclaves;
- (4) Where this section conflicts with or is preempted by federal law; or
- (5) To any agreement between an employer and a labor organization entered into before August 28, 2017, but shall apply to any such agreement upon its renewal, extension, amendment, or modification in any respect after August 28, 2017.

(L. 2017 S.B. 19, Rejected by Referendum, Proposition A, August 7, 2018)

*Revisor's Note: On February 21, 2017, a petition for referendum (Chapter 116, RSMo) on Senate Substitute No. 2 for Senate Bill No. 19 was received by the Secretary of State's Office. On March 28, 2017, the official ballot title was certified by the Secretary of State (Section 116.180, RSMo) and approved for circulation in accordance with Article III, Section 52(a). On August 18, 2017, the Secretary of State's Office received 163 boxes of referendum petitions for Senate Substitute No. 2 for Senate Bill No. 19. On November 22, 2017, the Secretary of State issued a certificate of sufficiency certifying the referendum petition. The referendum petition was to be placed on the November 6, 2018, ballot unless a different date was designated by the General Assembly. The General Assembly, in SCR 49 enacted on May 24, 2018, designated the referendum vote to be held on August 7, 2018. The measure was rejected by referendum, Proposition A, on August 7, 2018.

8/28/2017

In accordance with Section **3.090**, the language of statutory sections enacted during a legislative session are updated and available on this website **on the effective date** of such enacted statutory section.



- ▶ **Other Links**
 - ▶ **Other Information**
-

[Missouri Senate](#)[MO.gov](#)[Missouri House](#)

© Missouri Legislature, all rights reserved.

Site errors / suggestions - webmaster@LR.mo.gov

[Our flag's story](#)



**DIVISION OF
LABOR
STANDARDS**

**MISSOURI DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
PREVAILING WAGE
PROJECT NOTIFICATION –
CONTRACTOR INFORMATION**

☐ New ☐ Update

The information below is requested pursuant to Sections 290.210 through 290.340, RSMo.

1. Date of Notification		2. Annual Wage Order Number Included in Bid Specifications	
3. Popular or Descriptive Name of Project			
4. Estimated Project Cost of Completion (total construction contracts to be awarded)		\$	
5. Exact Location of Project		County	City
6. Official Name of Public Body or Agency			
7. Name of Contact Person			8. Phone Number (include area code)
9. Address			
10. Email Address		Website	
11. Contract Award Date	12. Estimated Date of Project Completion	13. Will There Be Any Federal Funds Used in this Contract? <input type="checkbox"/> Yes <input type="checkbox"/> No	

14. Contractor Information Notification

General Contractor: Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftsmen Needed by Project _____
Scope of Work _____

List all Subcontractors:

1. Name _____
Address _____
City _____ **State** _____ **ZIP** _____
Phone Number _____ **Email Address** _____
Type of Craftsmen Needed by Project _____
Scope of Work _____

2. Name _____
Address _____
City _____ **State** _____ **ZIP** _____
Phone Number _____ **Email Address** _____
Type of Craftsmen Needed by Project _____
Scope of Work _____

3. Name _____
Address _____
City _____ **State** _____ **ZIP** _____
Phone Number _____ **Email Address** _____
Type of Craftsmen Needed by Project _____
Scope of Work _____

(Subcontractors continued)

4. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

5. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

6. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

7. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

8. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

9. Name _____
Address _____
City _____ State _____ ZIP _____
Phone Number _____ Email Address _____
Type of Craftman Needed by Project _____
Scope of Work _____

The state of Missouri requires workers on public works projects be paid the prevailing wage. Public bodies have duties as required under Section 290.210 - 290.340, RSMo.

Mail, Fax, or Email completed form to: DIVISION OF LABOR STANDARDS
Attn: Prevailing Wage Section
P.O. Box 449, Jefferson City, MO 65102-0449
Phone: 573-751-3403 Fax: 573-751-3721
Email: prevailingwage@labor.mo.gov
Website: www.labor.mo.gov/DLS

SUBMIT

*Missouri Department of Labor and Industrial Relations is an equal opportunity employer/program.
TDD/TTY: 800-735-2966 Relay Missouri: 711*

PW-22 (05-16) AI



**DIVISION OF
LABOR
STANDARDS**

**MISSOURI DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
AFFIDAVIT
COMPLIANCE WITH THE PREVAILING WAGE LAW**

I, _____, upon being duly sworn upon my oath state that: (1) I am the
(Name)
_____ of _____; (2) all requirements of
(Title) (Name of Company)

§§ 290.210 to 290.340, RSMo, pertaining to the payment of wages to workers employed on public works projects have been fully satisfied with regard to this company's work on _____;
(Name of Project)

(3) I have reviewed and am familiar with the prevailing wage rules in 8 CSR 30-3.010 to 8 CSR 30-3.060; (4) based upon my knowledge of these rules, including the occupational titles set out in 8 CSR 30-3.060, I have completed full and accurate records clearly indicating (a) the names, occupations, and crafts of every worker employed by this company in connection with this project together with an accurate record of the number of hours worked by each worker and the actual wages paid for each class or type of work performed, (b) the payroll deductions that have been made for each worker, and (c) the amounts paid to provide fringe benefits, if any, for each worker; (5) the amounts paid to provide fringe benefits, if any, were irrevocably made to a fund, plan, or program on behalf of the workers; (6) these payroll records are kept and have been provided for inspection to the authorized representative of the contracting public body and will be available, as often as may be necessary, to such body and the Missouri Department of Labor and Industrial Relations; (7) such records shall not be destroyed or removed from the state for one year following the completion of this company's work on this project; and (8) there has been no exception to the full and complete compliance with the provisions and requirements of Annual Wage Order No. _____ Section _____ issued by the Missouri Division of Labor Standards and applicable to this project located in _____ County, Missouri, and completed on the _____ day of _____.

The matters stated herein are true to the best of my information, knowledge, and belief. I acknowledge that the falsification of any information set out above may subject me to criminal prosecution pursuant to §§290.340, 570.090, 575.040, 575.050, or 575.060, RSMo.

Signature

Subscribed and sworn to me this _____ day of _____.

My commission expires _____.

Notary Public

Receipt by Authorized Public Representative

Missouri Department of Labor and Industrial Relations is an equal opportunity employer/program.

PW-4 (07-14) AI



SUBCONTRACTORS AND MAJOR MATERIAL SUPPLIERS LIST

Project Number _____ Project Title _____

From Contractor _____ To _____ Date _____

Spec. No.	Section Title	4	Firm, Address (Check box if Supplier)	Phone, FAX and e-mail	Contact

☐ Attachments:

Signed by: _____ Date _____

Distribution: ☐ Owner ☐ Contractor ☐ Construction Manager ☐ Design Professional ☐ Consultant ☐ Other



DAILY LABOR FORCE REPORT

Project Number _____ Day _____ Date _____

Project Title _____

Contractor _____

Subcontractor _____

Weather: (Indicate if weather prevented work and why) _____

Shift: (circle) 5–8 hr Days 4–10 hr Days Other _____

* This report *MUST be completed and turned in* for EACH DAY until FINAL COMPLETION.

Worker's Full Legal Name	Occupational Title or Classification Group & Skill	Hours Worked & Time (i.e. 10AM – 4PM)	Race & Gender

I CERTIFY THAT ALL OF THE INFORMATION PROVIDED ABOVE IS TRUE AND COMPLETE.

Contractor/Subcontractor Representative:

Complete Name: (print) _____ Title: (print) _____

Signature: _____

Page ____ of ____

Distribution: ☐ City Department ☐ Contractor ☐ Subcontractor ☐ Other



KANSAS CITY
MISSOURI

CONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

Project Number _____

Project Title _____

STATE OF _____)
)SS
COUNTY OF _____)

The Undersigned, _____ of lawful
(Name)

age, being first duly sworn, states under oath as follows:

1. I am the _____ of _____ who is the general
(Title) (CONTRACTOR)
CONTRACTOR for the CITY on Project No. _____ and Project Title _____.

2. All payrolls, material bills, use of equipment and other indebtedness connected with the Work for this Project have been paid and all Claims of whatever nature have been satisfied, as required by the Contract.

3 (✓) _____ Prevailing wage does not apply; or

(✓) _____ All provisions and requirements set forth in Chapter 290, Section 290.210 through and including 290.340, Missouri Revised Statutes, pertaining to the payment of wages to workmen employed on public works projects have been fully satisfied and there has been no exception to the full and complete compliance with these provisions and requirements and the Annual Wage Order contained in the Contract in carrying out the Contract and Work. CONTRACTOR has fully complied with the requirements of the prevailing wage law as required in the Contract and has attached affidavits from all Subcontractors on this Project, regardless of tier, affirming compliance with the prevailing wage law as stipulated in the Contract.

4. I hereby certify that (a) at project completion and pursuant to contractor's final request for payment, contractor achieved (____%) Minority Business Enterprise (MBE) participation and (____%) Women Business Enterprise (WBE) participation on this contract, and (b) listed herein are the names of all certified M/WBE subcontractors, regardless of tier, with whom I, or my subcontractors contracted.

1. Name of MBE/WBE Firm _____
Address _____

Telephone Number (____) _____
IRS Number _____
Area/Scope*of Work _____
Subcontract Final Amount _____

2. Name of MBE/WBE Firm _____
Address _____

Telephone Number (____) _____
IRS Number _____
Area/Scope*of Work _____
Subcontract Final Amount _____

List additional subcontractors, if any, on a similar form and attach to the bid.

Supplier** Final Amount: _____

*Reference to specification sections or bid item number.

- (✓) _____ Met or exceeded the Contract utilization goals; or
(✓) _____ Failed to meet the Contract utilization goals (attach waiver, substitution or modification); or
(✓) _____ No goals applied to this Project.

5. CONTRACTOR certifies that each Subcontractor has received full payment for its respective work in connection with the Contract.

6. If applicable, I hereby certify that (a) at project completion and pursuant to contractor's final request for payment, contractor achieved, company-wide, at least ten percent (10%) minority workforce participation and two percent (2%) women workforce participation and (2) a true and accurate copy of my final project workforce monthly report (HRD Form 00485.02 and final company-wide workforce monthly report (HRD Form 00485.03) are attached. **NOTE: This paragraph is only applicable if you completed a construction contract that was estimated by the City, prior to solicitation, as requiring more than 800 construction labor hours and costing in excess of \$324,000.01. If applicable you MUST attach copies of your final monthly workforce reports.**

7. This affidavit is made in behalf of the CONTRACTOR for the purpose of securing from Kansas City, Missouri, the certification of completion of the Project and receiving payment therefore.

8. If the Contract amount exceeded \$150,000, CONTRACTOR has submitted proof of compliance with the City tax ordinances administered by the City's Commissioner of Revenue and has on file proof of tax compliance from all Subcontractors. If the Contract term exceeded one (1) year, CONTRACTOR has provided proof of compliance with the City tax ordinances administered by the City's Commissioner of Revenue prior to receiving final payment and has on file proof of tax compliance from all Subcontractors prior to the Subcontractor receiving final payment from CONTRACTOR.

CONTRACTOR _____

By _____
(Authorized Signature)

Title _____

On this _____ day of _____, _____, before me

appeared _____, to me personally known to be the

_____ of the _____,

and who executed the foregoing instrument and acknowledged that (s)he executed the same on behalf of

_____ as its free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on the day and year first above written.

My commission expires:

Notary Public



SUBCONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

Project Number _____

Project Title _____

STATE OF MISSOURI)

) ss:

COUNTY OF _____)

After being duly sworn the person whose name and signature appears below hereby states under penalty of perjury that:

1. I am the duly authorized officer of the business indicated below (hereinafter Subcontractor) and I make this affidavit on behalf of Subcontractor in accordance with the requirements set forth in Section 290.290, RSMo. Subcontractor has completed all of the Work required under the terms and conditions of a subcontract as follows:

Subcontract with: _____, Contractor

Work Performed: _____

Total Dollar Amount of Subcontract and all Change Orders: \$_____

City Certified ☐ MBE ☐ WBE ☐ DBE ☐ NA

List certifications: _____

2. Subcontractor fully complied with the provisions and requirements of the Missouri Prevailing Wage Law set forth in Sections 290.210, RSMo through 290.340, RSMo.

Business Entity Type:

- () Missouri Corporation
() Foreign Corporation
() Fictitious Name Corporation
() Sole Proprietor
() Limited Liability Company
() Partnership
() Joint Venture
() Other (Specify) _____

Subcontractor's Legal Name and Address

Phone No. _____

Fax: _____

E:mail: _____

Federal ID No. _____

I hereby certify that I have the authority to execute this affidavit on behalf of Subcontractor.

By: _____

(Signature)

(Print Name)

(Title)

(Date)

NOTARY

Subscribed and sworn to before me this _____ day of _____, 20_____.

My Commission Expires: _____

By _____

Print Name

Title

ATTACHMENT 9 – 00630 REVENUE CLEARANCE RELEASE AUTHORIZATION



AUTHORIZATION TO RELEASE A REVENUE CLEARANCE LETTER

Revenue Division

414 East 12th Street, 2nd floor, Room 202 W

Kansas City, MO 64106 Phone (816) 513-1135 Fax (816) 513-1077 email: revenue@kcmo.org

I authorize the City of Kansas City, Missouri, Finance Department, Revenue Division, to release a Revenue Clearance Letter for:

Name of Taxpayer: _____ Tax I.D.# _____
(PRINT)

Address: _____

Check this box and the City will send the Clearance Letter to you or the contractor designated.

☐ I authorize the City to provide a copy of the Taxpayer's Revenue Clearance Letter to the following:

NAME (PRINT)		BUSINESS NAME	TITLE
ADDRESS		CITY, STATE, ZIP CODE	
PHONE NUMBER	FAX NUMBER		E-MAIL ADDRESS

☐ I authorize the City to provide the Taxpayer's Revenue Clearance Letter to all City Departments and to publish on the City's internet/intranet website that the Taxpayer is in compliance with the tax ordinances administered by the City's Commissioner of Revenue.

Please send my 1st Revenue Clearance Letter to: _____
(Print Name of City Department/Contact Person/E-mail/Fax Number)

This authorization shall expire one (1) year from the date of the signature.

The City, Commissioner of Revenue and the Revenue Division personnel (hereinafter "the City"), are hereby held harmless from any and all liability relating to unauthorized disclosure of confidential tax information resulting from release of information under all applicable confidentiality laws including federal, state, or local including any damages sustained by wrongful transmission of confidential tax information to any other person.

UNDER PENALTIES OF PERJURY, I DECLARE THAT I HAVE EXAMINED THIS AUTHORIZATION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IT IS TRUE, CORRECT AND COMPLETE.

I hereby certify that I am the Taxpayer named herein or that I have the authority to execute this authorization and hold harmless agreement on behalf of the Taxpayer.

NAME (PRINT)		TITLE (IF APPLICABLE)	
SIGNATURE	PHONE NUMBER	DATE	

A FACSIMILE OF THIS DOCUMENT SHALL CONSTITUTE AN ORIGINAL

ATTACHMENT 10 – APPLICATION FOR PAYMENT



NON-CONSTRUCTION APPLICATION FOR PAYMENT

Project Number _____

Contract Number _____

Project Title _____

Application Number: _____ Final Payment ☐
Ordinance Number: _____ Date: _____
City PO Number: _____ Ordinance Date: _____

Design Professional/Contractor:

Legal Name _____
Mail Address: _____
City, ST Zip _____
Vendor Number _____
Application for Work Accomplished: From _____ To: _____
Name of Kansas City, MO Project Mgr: _____
Kansas City, MO Contract Administrator: _____

Original Contract Amount	[1]	_____	\$0.00
Net by Amendments ____ through ____	[2]	_____	\$0.00
Optional Services Amount in Contract	[3]	_____	\$0.00
Net by Optional Services Authorizations ____ through ____	[4]	_____	\$0.00
Unauthorized Optional Services Amount Remaining (3-4)	[5]	_____	\$0.00
Maximum Obligation Authorized ((1+2+4) - [3])	[6]	_____	\$0.00
Total Work Completed to Date	[7]	_____	\$0.00
Total Previous Payment Applications	[8]	_____	\$0.00
PAYMENT DUE CONTRACTOR (7-8)	[9]	_____	\$0.00

Instructions to Design Professional/Contractor:

1. Complete and sign this Application and attach the following items: A) **documentation** of expenses (direct payroll, direct expenses, and sub-consultants) per contract (ie. services performed; actual salary of personnel for time charges directly to the project; and/or actual reasonable expenses incurred, AND, B) a photocopy of your most recent **00485.01 HRD MWBE Monthly Utilization Report** submitted to Human Relations Dept., if required by contract, AND C) Monthly Progress Report, if required by contract.
2. If this is the First application for payment and if Contract amount exceeds \$150,000.00, then also attach proof of tax compliance (**Revenue Clearance Letter**).
3. If this is the Final application for payment, then also attach: **01290.14 Contractor Affidavit for Final Payment; 01290.15 Subcontractor Affidavit for Final Payment**, if required by contract; and proof of tax compliance (**Revenue Clearance Letter**).
4. Submit current insurance certificate for the following policies General Liability, Automobile, Workers Compensation and Professional Liability upon renewal.

5. Submit Application to: Water Services Department
Name, Project Manager
4800 E 63rd St
Kansas City, MO 64130

Contractor:

Submitted By: _____ Signature: _____ Date: _____
Phone: _____ Fax: _____ E-mail: _____

Kansas City:

Approved By: _____ Project Manager Date: _____

Approved By: _____ Director or Designee Date: _____

ATTACHMENT 11 – PRE-BID CONFERENCE ATTENDANCE LIST

[illegible]



ADDENDUM NUMBER #1

Contract/Project Number 1661/60810108

Title/Description Birmingham Land Application Procurement

ISSUE DATE: 7/20/2022

TO ALL PROSPECTIVE BIDDERS/PROPOSERS:

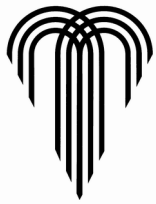
This Addendum addresses the following questions:

Q1.	Affidavit of Training Program – As this is not a Construction Project, is this form necessary?
A1.	Yes, this form is required. See <i>Affidavit of Training Program</i> Form added to Attachment 6. Although this is not a construction project, this form should note any training programs that workers would have prior to working on this project, not necessarily construction specific, such as Company Safety Training Programs, Equipment Operation Training, etc. The City does not have specific training requirements for this project.
Q2.	Affidavit of Training Program – If this form is necessary, it is due 48 hours prior to the Bid, May it be emailed?
A2.	This form is due within 48 hours <u>after</u> the bids are opened, not before. The 48-hour submittal may be transmitted electronically.
Q3.	Does prevailing wage need to be paid on all transportation (on- and off-site)?
A3.	No. If the truck driver comes to the site and is loaded, then leaves and unloads elsewhere off-site, prevailing wage pay is not required. Also, any off-site work does not qualify for prevailing wage pay. If the truck driver gets out and loads the truck themselves, prevailing wage would apply while on-site.
Q4.	Does prevailing wage need to be paid on off-site spreading/application of biosolids?
A4.	No. Any off-site work does not qualify for prevailing wage pay.

This addendum revises referenced bid/proposal and/or specifications documents as follows:

1. Add the following under Section 35 of the Standard Contract:
 - a. HRD Employee Identification Report Form under Attachment 6.
 - b. CREO 14 Affirmative Action Program Affidavit under new Attachment 12.

2. Delete and replace the following section(s):
 - a. Delete Standard City Contract Master Contract for Services, and replace with the following Standard City Contract Master Contract for Services.
 - b. Move the Affidavit of Training Program from Attachment 2 to Attachment 6.



AFFIDAVIT OF TRAINING PROGRAM

This form must be submitted with 48 hours of Bid Opening

Bidder _____

Project Title and Number _____

STATE OF MISSOURI)
) ss:

COUNTY OF _____)

After being duly sworn the person whose name and signature appears below hereby states under penalty of perjury that:

1. I am the duly authorized officer of the business indicated above ("Bidder") and I make this affidavit on behalf of Bidder.
2. Bidder certifies that it presently participates in a training program that facilitates entry into the construction industry and which may include an on-the-job or in-house training program, further described as follows:

_____ (attach additional pages, if necessary)

3. If requested by the City, Bidder agrees to provide City further documentation of, or other information about, this training program within 48 hours of the request.
4. Bidder acknowledges that failure to submit this form to the City within 48 hours of the Bid Opening will automatically render its bid non-responsive.

I am authorized to make this Affidavit on behalf of the Bidder named below as:

_____ of _____
(Title) (Name of Bidder)

Dated: _____ By: _____
(Affiant)

Subscribed and sworn to before me this _____ day of _____, 20____.

My Commission Expires: _____
Notary Public

**City of Kansas City, Missouri
Human Relations Department
Construction Contractor Employee Identification Report**

Company Name: _____
Company Address: _____
Company City, State, Zip: _____

Prime's Name: _____
KCMO Project Name: _____
KCMO Project Number: _____

Name of Person Completing Report: _____
Phone Number: _____
Email: _____

Today's Date: _____
City Department: _____

Instructions:

- 1) Each applicable Prime Contractors **must complete this form for its company within 48 hours of bid opening**
- 2) The Human Relations Department strongly recommends usage of the electronic version of this form. This form may be obtained by visiting www.kcmo.gov website. The website is enabled with a "search" function on the Home page in the center titled "What are you looking for?". Type in the "What are you looking for?" field *Contract Central*. Click on the link to Standard City Contract Forms. Scroll down to *Construction Contractor Employee Identification Report* and click the link to open this document. Complete the fields in the Employee section; the *Official Use Only* section will automatically populate. **NOTE: This form can be printed and attached to other required Bid documents.**
- 3) All subcontractors shall be required to complete this form and submit to the Prime Contractor. For each subcontractor, the Prime must submit this form to City at least at least (10) days prior to the date the subcontractor shall commence work under a city construction contract.
- 4) Complete this form if you are the Prime contractor on a City construction project estimated over **\$300,000 & over 800 man hours**.
- 5) Complete this form with data from your **current construction workforce** (no office personnel).
- 6) Prime contractor is responsible to ensure subcontractor completes this form as required in #3 above.

Official Use Only

Females		KCMO Resident	Males		KCMO Resident	Journeyman		Apprentice	Journeyman		Apprentice
African American	0	0	African American	#####	0	Foreman/Supervisor	0	--	Operating Engineer	0	0
Asian/Pacific Islander American	0	0	Asian/Pacific Islander American	#####	0	Asbestos Worker	0	0	Painter	0	0
Caucasian American	0	0	Caucasian American	#####	0	Boilermaker	0	0	Pipe Fitter/Plumber	0	0
Hispanic/Latino American	0	0	Hispanic/Latino American	#####	0	Bricklayer	0	0	Plasterer	0	0
Native American	0	0	Native American	#####	0	Carpenter	0	0	Roofer	0	0
Other	0	0	Other	#####	0	Cement Mason	0	0	Sheet Metal	0	0
	0	0		#####	0	Electrician	0	0	Sprinkler Fitter	0	0
						Elevator Constructor	0	0	Truck Driver	0	0
						Glazier	0	0	Welder	0	0
						Iron Worker	0	0	Other	0	--
						Laborer	0	0		0	0
							0	0			

Company Name: 0

KCMO Project Name: 0

KCMO Project Number: 0

	Name		Job Title (use drop down menu)	Address	City	State	Zip Code	KCMO Resident	Gender	Ethnicity
	Last	First								
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Company Name: 0

KCMO Project Name: 0

KCMO Project Number: 0

	Name		Job Title <i>(use drop down menu)</i>	Address	City	State	Zip Code	KCMO Resident	Gender	Ethnicity
	Last	First								
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										

Company Name: 0

KCMO Project Name: 0

KCMO Project Number: 0

	Name		Job Title <i>(use drop down menu)</i>	Address	City	State	Zip Code	KCMO Resident	Gender	Ethnicity
	Last	First								
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70										
71										
72										
73										
74										
75										
76										
77										
78										
79										
80										

	Name		Job Title <i>(use drop down menu)</i>	Address	City	State	Zip Code	KCMO Resident	Gender	Ethnicity
	Last	First								
81										
82										
83										

STANDARD CITY CONTRACT

MASTER CONTRACT FOR SERVICES - THE CITY OF KANSAS CITY, MISSOURI

PROJECT/CONTRACT NOs: 60810108/1661

TITLE/DESCRIPTION: Biosolids Handling and Disposal at the Birmingham Land Application Site located at 10801 NE 28th Street, Kansas City, MO 64161

This Contract is between The City of Kansas City, Missouri ("City") Water Services Department ("KC WSD") and _____ ("CONTRACTOR").

Sec. 1. The Contract. The Contract between the KC WSD and CONTRACTOR consists of the following Contract Documents:

- (a) this Contract;
- (b) CONTRACTOR's Bid dated July 26, 2022 that is attached hereto and incorporated into this Contract;
- (c) CITY's Bid that is incorporated into this Contract by reference;
- (d) State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531 and referenced documents including Standard Conditions Part III;
- (e) Section 445055 – Biosolids Handling and Disposal attached hereto and incorporated into this Contract; and
- (f) Any and all Attachments and Exhibits attached to the Contract. All documents listed in this Section 1 shall be collectively referred to as the "Contract Documents" and are incorporated into this Contract. CITY and CONTRACTOR agree that the terms "Agreement" and "Contract" and "Contract Documents" are used interchangeably in this Contract and the terms "Agreement" and "Contract" and "Contract Documents" each include all "Contract Documents."

Sec. 2. Initial Term of Contract and Additional Periods.

- (a) Initial Term. The initial term of this Contract shall begin when the Department issues a notice to proceed and shall end two (2) years later. The KC Water Department Director is authorized to enter into an amendment of this Contract with CONTRACTOR to extend the term of this Contract and time of performance for this Contract.
- (b) Renewal Terms. At any time prior to the expiration of the initial term or any subsequent term, the CITY, in its sole discretion, may renew this Contract for up to one (1) additional two (2) year term.
- (c) Transition Term. Notwithstanding the expiration of the initial term, or any subsequent

term or all options to renew, CONTRACTOR and CITY shall continue performance under this Contract until the CITY has a new contract in place with either CONTRACTOR or another provider or until the CITY terminates the Contract.

Sec. 3. Compensation and Penalties.

- (a) The maximum amount the CITY shall pay CONTRACTOR under this Contract shall not exceed \$_____. CITY shall pay CONTRACTOR on the following basis:
 - a. Unit rates of biosolids on per gallons (Gal) of sludge (biosolids) processed.
- (b) CONTRACTOR shall bill the CITY, in a form acceptable to the CITY, on the following basis:
 - a. CONTRACTOR may invoice the CITY for gallons of biosolids processed Monthly.
 - b. CONTRACTOR may submit an invoice for the annual price of CONTRACTOR's temporary facilities in their first invoice of each year.
- (c) CITY shall order all services to be provided by CONTRACTOR under this Contract by means of a Purchase Order issued by the CITY's Finance Department for which funds have been certified and encumbered by the City's Director of Finance. CITY shall not have any financial obligations to CONTRACTOR under this Contract until the CITY issues a Purchase Order to CONTRACTOR. CONTRACTOR shall not provide any services in excess of the dollar amount contained in any Purchase Order and CONTRACTOR shall not be entitled to any payment in excess of the dollar amount of the Purchase Orders from CITY.
- (d) CONTRACTOR shall provide a credit of \$50 for each total solids measurement requested in writing by the CONTRACTOR and performed by the CITY (Wastewater Treatment Department [WWTD] Operations Staff).
- (e) CONTRACTOR shall pay a penalty of \$50 per day per wet ton of biosolids stored outside on dry days.
- (f) CONTRACTOR shall pay a penalty of \$100 per day per wet ton of biosolids stored outside on wet days. Wet days are days where one-eighth of an inch of rain fell according to the KC downtown airport rain gauge.
- (g) Each truckload of improperly stored biosolids will be weighed on a truck scale at the CONTRACTOR's expense to determine appropriate tonnage for penalties.

Sec. 4. Effective Date of Contract.

- (a) Notwithstanding Section 2 of this Contract, neither party has any obligation under this Contract until the Deputy Director of KC Water Services issues a Purchase Order which shall be signed by the City's Director of Finance certifying there is a balance, otherwise unencumbered, to the credit of the appropriation to which the expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment will be made, each sufficient to meet the obligation incurred in the Purchase Order.
- (b) The date of the first Purchase Order issued by the CITY is the effective date of this Contract.

- (c) The date of the first Purchase Order issued by the CITY after the CITY renews this Contract shall be the effective date of the renewal term or transition term.

Sec. 5. Invoices.

- (a) CONTRACTOR shall submit to CITY a request for payment (hereinafter "Invoice") for services performed in sufficient detail for the CITY to determine that the amount CONTRACTOR is requesting is in fact due and payable.
- (b) CITY shall not pay any Invoice from CONTRACTOR unless CONTRACTOR is in compliance with, and not in breach or default of, all terms, covenants and conditions of this Contract. If damages are sustained by CITY as a result of breach or default by CONTRACTOR, CITY may withhold payment(s) to CONTRACTOR for the purpose of set off until such time as the exact amount of damages due to CITY from CONTRACTOR may be determined.
- (c) CITY shall not process CONTRACTOR's Invoice unless CONTRACTOR's Invoice is in proper form, correctly computed, and is approved by CITY as payable under the terms of this Contract.
- (d) CITY is not liable for any obligation incurred by CONTRACTOR except as approved under the provisions of this Contract.
- (e) If CONTRACTOR is required to meet minority and women's business enterprises (M/WBE) goals for this Contract, CONTRACTOR shall not submit an Invoice to the City unless CONTRACTOR's Invoice is accompanied by a copy of the most recent 00485.01 M/WBE Monthly Utilization Report submitted by CONTRACTOR to the City's Human Relations Department. CONTRACTOR shall remain current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports. CITY shall not pay CONTRACTOR's Invoice unless CONTRACTOR is current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports.

Sec. 6. Representations and Warranties of Contractor. CONTRACTOR hereby represents and warrants to the CITY the following:

- (a) CONTRACTOR is in good standing under the laws of the State of Missouri and each state in which it does business, except any such state where the failure to be in good standing would not have a material adverse effect on CONTRACTOR's ability to perform this Contract in accordance with its terms.
- (b) The execution, delivery and performance by CONTRACTOR of this Contract have been duly authorized by all necessary corporate action and do not and will not (i) require any consent or approval of CONTRACTOR's board of directors; (ii) require any authorization, consent or approval by, or registration, declaration or filing with, or notice to, any governmental department, commission, board, bureau, agency or instrumentality, or any third party, except such authorization, consent, approval, registration, declaration, filing or notice as has been obtained prior to the date hereof; (iii) violate any provision of any law, rule or regulation or of any order, writ, injunction or decree presently in effect having applicability

to CONTRACTOR or its articles or by-laws; and (iv) result in a breach of or constitute a default under any material agreement, lease or instrument to which CONTRACTOR is a party or by which it or its properties may be bound or affected.

- (c) CONTRACTOR shall not enter into any contract for the services to CITY that purports to grant a security interest or right of repossession to any person or entity respecting the services, or any portions thereof or chattels placed thereon.
- (d) There is no litigation, proceeding or other investigation pending or, to the knowledge of CONTRACTOR, threatened against CONTRACTOR which would prevent consummation of the transaction contemplated by this Contract or would have a materially adverse effect on CONTRACTOR.

Sec. 7. Survival of the Representations, Warranties and Covenants. All representations, warranties and covenants expressed herein shall survive the execution of this Contract for the benefit of the parties hereto.

Sec. 8. Governing Law. This Contract shall be construed and governed in accordance with the laws of the State of Missouri without giving effect to Missouri's choice of law provisions. The CITY and CONTRACTOR: (1) submit to the jurisdiction of the state and federal courts located in Jackson County, Missouri; (2) waive any and all objections to jurisdiction and venue; and (3) will not raise forum *non conveniens* as an objection to the location of any litigation.

Sec. 9. Termination for Convenience. CITY may, no sooner than fifteen days prior to the completion of the Contract Year 2, at any time upon fifteen days written notice to CONTRACTOR specifying the effective date of termination, terminate this contract, in whole or part.

Sec. 10. Default and Remedies.

- (a) If CONTRACTOR shall be in default or breach of any provision of this Contract, CITY may terminate this Contract, suspend CITY's performance, withhold payment, or invoke any other legal or equitable remedy after giving CONTRACTOR ten (10) days written notice and opportunity to cure such default or breach.
- (b) If CITY shall be in default or breach of any provision of this Contract, CONTRACTOR may terminate this Contract or suspend CONTRACTOR's performance after giving CITY ten (10) days written notice and opportunity to cure such default or breach.

Sec. 11. Waiver. Waiver by CITY of any term, covenant, or condition hereof shall not operate as a waiver of any subsequent breach of the same or of any other term, covenant or condition. No term, covenant, or condition of this Contract can be waived except by written consent of CITY, and forbearance or indulgence by CITY in any regard whatsoever shall not constitute a waiver of same to be performed by CONTRACTOR to which the same may apply and, until complete performance by CONTRACTOR of the term, covenant or condition, CITY shall be entitled to invoke any remedy available to it under this Contract or by law despite any such forbearance or indulgence.

Sec. 12. Acceptance. No payment made under this Contract shall be proof of satisfactory performance

of the Contract, either wholly or in part, and no payment shall be construed as acceptance of deficient or unsatisfactory services.

Sec. 13. Records.

(a) For purposes of this Section:

1. "CITY" shall mean the City Auditor, the City's Internal Auditor, the City's Director of Human Relations, the City Manager, the City department administering this Contract and their delegates and agents.
2. "Record" shall mean any document, book, paper, photograph, map, sound recordings or other material, regardless of physical form or characteristics, made or received in connection with this Contract and all Contract amendments and renewals.

(b) CONTRACTOR shall maintain and retain all Records for a term of five (5) years that shall begin after the expiration or termination of this Contract and all Contract amendments. CITY shall have a right to examine or audit all Records, and CONTRACTOR shall provide access to CITY of all Records upon ten (10) days written notice from the CITY.

(c) The books, documents and records of CONTRACTOR in connection with this Contract shall be made available to the City Auditor, the City's Internal Auditor, the City's Director of Human Relations and the City department administering this Contract within ten (10) days after the written request is made.

Sec. 14. Contract Information Management System. Contractor shall comply with City's Contract Information Management System requirements. Contractor shall use City's Internet web based Contract Information Management System/Project Management Communications Tool provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all personnel, subcontractors or suppliers as applicable.

Sec. 15. Affirmative Action. If this Contract exceeds \$300,000.00 and CONTRACTOR employs fifty (50) or more people, CONTRACTOR shall comply with City's Affirmative Action requirements in accordance with the provisions of Chapter 38 of City's Code, the rules and regulations relating to those sections, and any additions or amendments thereto; in executing any Contract subject to said provisions, CONTRACTOR warrants that it has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the Contract. CONTRACTOR shall not discriminate against any employee or applicant for employment because of race; color, sex, religion, national origin or ancestry, disability, sexual orientation, gender identity or age in a manner prohibited by Chapter 38 of City's Code. CONTRACTOR shall:

- (a) Submit, in print or electronic format, a copy of CONTRACTOR'S current certificate of compliance to the City's Human Relations Department (HRD) prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years. If, and only if, CONTRACTOR does not possess a current certification of compliance, CONTRACTOR shall submit, in print or

electronic format, a copy of its affirmative action program to HRD prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years.

- (b) Require any Subcontractor awarded a subcontract exceeding \$300,000.00 to affirm that Subcontractor has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the subcontract.
- (c) Obtain from any Subcontractor awarded a subcontract exceeding \$300,000.00 a copy of the Subcontractor's current certificate of compliance and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed. If, and only if, Subcontractor does not possess a current certificate of compliance, CONTRACTOR shall obtain a copy of the Subcontractor's affirmative action program and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed.

CITY has the right to take action as directed by CITY'S Human Relations Department to enforce this provision. If CONTRACTOR fails, refuses or neglects to comply with the provisions of Chapter 38 of CITY's Code, then such failure shall be deemed a total breach of this Contract and this Contract may be terminated, cancelled or suspended, in whole or in part, and CONTRACTOR may be declared ineligible for any further contracts funded by CITY for a period of one (1) year. This is a material term of this Contract.

Sec. 16. Tax Compliance. If the CITY's payments to CONTRACTOR exceed \$160,000.01 for the period of May 1st through April 30th, CONTRACTOR shall provide proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a precondition to the CITY making the first payment under this Contract. CONTRACTOR also shall submit to the CITY proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a condition precedent to the CITY making final payment under the Contract.

Sec. 17. Buy American Preference. It is the policy of the CITY that any manufactured goods or commodities used or supplied in the performance of any CITY Contract or any subcontract thereto shall be manufactured or produced in the United States whenever possible.

Sec. 18. Service of Process. In addition to the methods of service allowed by the State of Missouri, CONTRACTOR hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be completed upon CONTRACTOR's actual receipt of process or upon the CITY's receipt of the return thereof by the United States Postal Service as refused or undeliverable. CONTRACTOR must promptly notify the CITY, in writing, of each and every change of address to which service of process can be made. Service by the CITY to the last known address shall be sufficient. CONTRACTOR will have thirty (30) calendar days after service hereunder is complete in which to respond.

Sec. 19. Notices. All notices to be given hereunder shall be in writing and may be given, served, or made by depositing the same in the United States mail addressed to the party to be notified, postpaid and registered or certified with return receipt requested or by delivering the same in person to such person. Notice deposited in the mail in accordance with the provisions hereof shall be effective unless otherwise stated in such notice or in this Contract from and after the second day next following the date

postmarked on the envelope containing such notice. Notice given in any other manner shall be effective only if and when received by the party to be notified. All notices shall be sent to the following addresses:

If to the CITY: City of Kansas City, Missouri
Contract Administration Division
4800 East 63rd Street,
Kansas City, MO 130
Attention: Leona Walton, Contracts Manager
Telephone: (816) 513-0220

With copies to: Mark P. Jones
Assistant City Attorney
Law Department of Kansas City, Missouri
414 East 12th Street, 28th Floor
Kansas City, Missouri 64106
Telephone: (816) 513-0381

If the CONTRACTOR: (INSERT Name and Complete Address)

Sec. 20. General Indemnification.

(a) For purposes of this Section only, the following items shall have the meanings listed:

1. Claims means all claims, damages, liability, losses, costs and expenses, court costs and reasonable attorneys' fees, including attorneys' fees incurred by the CITY in the enforcement of this indemnity obligation.
2. CONTRACTOR's Agents means CONTRACTOR's officers, employees, subcontractors, successors, assigns, invitees, and other agents.
3. CITY means CITY, its Agencies, its agents, officials, officers and employees.

(b) CONTRACTOR's obligations under this Section with respect to indemnification for acts or omissions, including negligence, of CITY, shall be limited to the coverage and limits of insurance that CONTRACTOR is required to procure and maintain under this Contract. CONTRACTOR affirms that it has had the opportunity to recover all costs of the insurance requirements imposed by this Contract in its contract price.

(c) CONTRACTOR shall defend, indemnify and hold harmless CITY from and against all claims arising out of or resulting from all acts or omissions in connection with this Contract caused in whole or in part by CONTRACTOR or CONTRACTOR's Agents, regardless of whether or not caused in part by any act or omission, including negligence, of CITY. CONTRACTOR is not obligated under this Section to indemnify CITY for the sole negligence of CITY.

(d) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental

immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 21. Indemnification for Professional Negligence. If this Contract is for professional services, CONTRACTOR shall indemnify, and hold harmless CITY and any of its agencies, officials, officers, or employees from and against all claims, damages, liability, losses, costs, and expenses, including reasonable attorneys' fees, arising out of any negligent acts or omissions in connection with this Contract, caused by CONTRACTOR, its employees, agents, subcontractors, or caused by others for whom CONTRACTOR is liable in the performance of professional services under this Contract. CONTRACTOR is not obligated under this Section to indemnify CITY for the negligent acts of CITY or any of its agencies, officials, officers, or employees.

Sec. 22. Insurance.

- (a) CONTRACTOR shall procure and maintain in effect throughout the term of this Contract insurance policies with coverage not less than the types and amounts specified in this Section. CONTRACTOR must have:
1. Commercial General Liability Insurance Policy: with combined single limit of \$2,000,000 per occurrence and \$2,000,000 general aggregate, written on an "occurrence" basis. The policy shall be written or endorsed to include the following provisions:
 - a. Severability of Interests Coverage applying to Additional Insureds
 - b. Contractual Liability
 - c. Per Project Aggregate Liability Limit or, where not available, the aggregate limit shall be \$2,000,000
 - d. No contractual Liability Limitation Endorsement
 - e. Personal Injury Liability
 - f. Completed Operations and Products Liability
 - g. Damage to Underground Property Liability
 - h. Additional Insured Endorsement, ISO form CG20 10, current edition, or its equivalent. The insurer's costs of provided the insureds a defense and appeal as additional insureds, including attorney's fees, shall be supplementary and shall not be included as part of the policy limits but shall remain the insurer's separate responsibility.
 2. Workers' Compensation Insurance and Employers Liability Policies as required by Missouri law (not less than \$1,000,000 each occurrence).
 3. Commercial Automobile Liability Insurance Policy: not less than \$2,000,000 per occurrence, covering owned, hired, and non-owned automobiles. The Policy shall provide coverage on an "any auto" basis and on an "occurrence" basis. This insurance policy will be written on a Commercial Business Auto form, or acceptable equivalent, and will protect against claims arising out of the operation of motor vehicles, as to acts done in connection with the Contract, by CONTRACTOR.
 4. If this Contract is for professional services, CONTRACTOR shall obtain Professional Liability Insurance with limits per claim and annual aggregate of \$2,000,000.

- (b) All insurance policies required in this Section shall provide that the policy will not be cancelled until after the Insurer provides the CITY ten (10) days written notice of cancellation in the event that the cancellation is for CONTRACTOR's nonpayment of premiums and thirty (30) days written notice of cancellation to CITY for all other reasons.
- (c) The Commercial General and Automobile Liability Insurance Policies specified above shall provide that CITY and its agencies, agents, officials, officers, and employees, while acting within the scope of their authority, will be named as additional insureds for the services performed under this Contract. CONTRACTOR shall provide to CITY at execution of this Contract a certificate of insurance showing all required endorsements and additional insureds.
- (d) All insurance policies must be provided by Insurance Companies that have an A.M. Best's rating of A-, V or better, and are licensed or approved by the State of Missouri to provide insurance in Missouri.
- (e) Regardless of any approval by CITY, CONTRACTOR shall maintain the required insurance coverage in force at all times during the term of this Contract. CONTRACTOR's failure to maintain the required insurance coverage will not relieve CONTRACTOR of its contractual obligation to indemnify the CITY pursuant to this Section of this Contract. In the event CONTRACTOR fails to maintain the required insurance coverage in effect, CITY may declare CONTRACTOR in default.
- (f) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 23. Bonds and Surety. Contractor shall furnish a Payment Bond and Performance and Maintenance Payment Bond, to City on City furnished forms, executed by a Surety, in the amount of this Contract guaranteeing Contractor's faithful performance of each and every term of this Contract and all authorized changes thereto, including those terms under which Contractor agrees to pay legally required wage rates including the prevailing hourly rate of wages in the locality, as determined by the Department of Labor and Industrial Relations or by final judicial determination, for each craft or type of worker required to perform under this Contract; guaranteeing the payment of all obligations as provided in Section 107.170 RSMo.; and guaranteeing the services and work against faulty workmanship and faulty materials.

- a. All Bonds and insurance required by the Contract Documents to be purchased and maintained by Contractor shall be obtained from surety or insurance companies that are duly licensed in the State of Missouri and in the jurisdiction in which the Project is located, if not in Missouri, to issue Bonds or insurance policies for the limits and coverages so required. All surety and insurance companies shall hold an A.M. Best rating of A-, V, or better.

NOTE: If effective date of bonds needs to be extended for a period longer than one year, make that change in the following paragraph. Be certain to delete this note and select the appropriate type of bond if any in the section below.

- b. These Bonds shall remain in effect at least one (1) year after the date when final payment becomes due, except as provided otherwise by Laws or Regulations or by the Contract Documents.
- c. If the surety on any Bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirement of Paragraph 5.01 B, Contractor shall within twenty (20) days thereafter substitute another Bond and surety, both of which must be acceptable to City.

Sec. 24. Prevailing Wage.

- a. Prevailing Wage.
 - i. Contractor shall comply and require its Subcontractors to comply with;
 - 1. Sections 290.210 to 290.340, RSMo the State of Missouri Prevailing Wage Law (the "Law"); and
 - 2. 8 CSR 30-3.010 to 8 CSR 30-3.060, the Prevailing Wage Law Rules (the "Rules"); and
 - 3. the Annual Wage Order (Wage Order) issued by the State of Missouri's Department of Labor and Industrial Relations; and
 - 4. any applicable Annual Incremental Wage Increase (Wage Increase) to the Annual Wage Order.
 - ii. The Law, Rules, Wage Order and any Wage Increase are incorporated into and made part hereof this Contract and shall be collectively referred to in this Section as the "Prevailing Wage Requirements." In the event this Contract is renewed for an additional term, the Wage Order in effect as of the commencement date of the additional term, as amended by any applicable Wage Increase, shall be deemed incorporated herein and shall apply to and remain in effect for the duration of the additional term. The new Wage Order and any applicable Wage Increase shall govern notwithstanding the fact that the Wage Order being replaced might be physically attached to this Contract.
 - iii. Contractor shall pay and require its Subcontractors to pay to all workers performing work under this Contract not less than the prevailing hourly rate of wages for the class or type of work performed by the worker in accordance with the Law, Rules, Wage Order and any applicable Wage Increase. Contractor shall take whatever steps are necessary to insure that the prevailing hourly wage rates are paid and that all workers for Contractor and each of its Subcontractors are paid for the class or type of work performed by the worker in accordance with the Prevailing Wage Requirements provided in Attachment 8. The work type for this project is "Building".
 - iv. Prior to each of its Subcontractors beginning Work on the Site, Contractor shall require each Subcontractor to complete City's Form 00490 entitled "Pre-contract Certification" that sets forth the Subcontractor's prevailing

wage and tax compliance history for the two (2) years prior to the bid. Contractor shall retain one (1) year and make the Pre-contract Certifications available to City within five (5) days after written request.

- v. Contractor shall keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's:
 - 1. Keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's "Daily Labor Force Report" Form indicating the worker's name, occupational title or classification group and skill and the workers' hours. City shall furnish blank copies of the Daily Labor Force Report Form to Contractor for its use and for distribution to Subcontractors. Contractor shall submit its and its Subcontractors Daily Labor Force Reports to City each day; and
 - 2. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in a format prescribed by the City, Certified Payroll Report Information indicating the worker's name, address, social security number, occupation(s), craft(s) of every worker employed in connection with the public work together with the number of hours worked by each worker and the actual wages paid in connection with the Project and other pertinent information as requested by the City; and
 - 3. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in format prescribed by the City, a Payroll Certification. The Payroll Certification must be signed by the employee or agent who pays or supervises the payment of the workers employed under the Contract for the Contractor and each Subcontractor.
 - 4. The Daily Labor Force Report, documents used to compile information for the Certified Payroll Report, and Payroll Certification are collectively referred to in this Section as the "Records."
- vi. Contractor shall make all of Contractor's and Subcontractors' Records open to inspection by any authorized representatives of City and the Missouri Department of Labor and Industrial Relations at any reasonable time and as often as they may be necessary and such Records shall not be destroyed or removed from the State of Missouri for a period of one (1) year following the completion of the public work in connection with which the Records are made. Contractor shall have its and its Subcontractors Certified Payroll Reports and Payroll Certifications available at the Contractor's office and shall provide the Records to the City electronically at City's sole discretion. In addition, all Records shall be considered a public record and Contractor shall provide the Records to the City in the format required by the City

within three (3) working days of any request by City at the Contractor's cost. City, in its sole discretion, may require Contractor to send any of the Records directly to the person who requested the Record at Contractor's expense.

- vii. Contractor shall post and keep posted a clearly legible statement of all prevailing hourly wage rates to be paid to all workers employed by Contractor and each of its Subcontractors in the performance of this Contract in a prominent and easily accessible place at the Site of the Work by all workers.
- viii. If the Contract Price exceeds \$250,000.00, Contractor shall and shall require each Subcontractor engaged in any construction of public works to have its name, acceptable abbreviation or recognizable logo and the name of the city and state of the mailing address of the principal office of the company, on each motor vehicle and motorized self-propelled piece of equipment which is used in connection with the Project during the time the Contractor or Subcontractor is engaged on the project. The sign shall be legible from a distance of twenty (20') feet, but the size of the lettering need not be larger than two (2") inches. In cases where equipment is leased or where affixing a legible sign to the equipment is impractical, the Contractor may place a temporary stationary sign, with the information required pursuant to this section, at the main entrance of the Project in place of affixing the required information on the equipment so long as such sign is not in violation of any state or federal statute, rule or regulation. Motor vehicles which are required to have similar information affixed thereto pursuant to requirements of a regulatory agency of the state or federal government are exempt from the provisions of this subsection.
- ix. Contractor must correct any errors in Contractor's or any Subcontractors' Records, or Contractor's or any Subcontractors' violations of the Law, Rules, Annual Wage Order and any Wage Increase within fourteen (14) calendar days after notice from City.
- x. Contractor shall and shall require its Subcontractors to cooperate with the City and the Department of Labor and Industrial Relations in the enforcement of this Section, the Law, Rules, Annual Wage Order and any Wage Increase. Contractor shall and shall require its Subcontractors to permit City and the Department of Labor and Industrial Relations to interview any and all workers during working hours on the Project at Contractor's sole cost and expense.
- xi. Contractor shall file with City, upon completion of the Project and prior to final payment therefore, affidavits from Contractor and each of its Subcontractors, stating that each has fully complied with the provisions and requirements of the Missouri Prevailing Wage Law. City shall not make final payment until the affidavits, in proper form and order, from Contractor and each of its Subcontractors, are filed by Contractor.
- xii. Contractor shall forfeit as a statutory penalty to the City one hundred dollars (\$100.00) for each worker employed, for each calendar day, or

portion thereof, such worker is paid less than the prevailing hourly rates for any work done under this Contract, by Contractor or by any of Contractor's Subcontractors. If Contractor or any of its Subcontractors have violated any section(s) of 290.210 to 290.340, RSMo, in the course of the execution of the Contract, City shall when making payments to the Contractor becoming due under this Contract, withhold and retain therefrom all sums and amounts due and owing as a result of any violation of sections 290.210 to 290.340, RSMo.

- b. Prevailing Wage Damages. Contractor acknowledges and agrees that, based on the experience of City, violations of the Missouri Prevailing Wage Act, whether by Contractor or its Subcontractors, commonly result in additional costs to City. Contractor agrees that additional costs to City for any particular violation are difficult to establish and include but are not limited to: costs of construction delays, additional work for City, additional interest expenses, investigations, and the cost of establishing and maintaining a special division working under the City Manager to monitor prevailing wage compliance.
 - i. In the event of the failure by Contractor or any of its Subcontractors to pay wages as provided in the Missouri Prevailing Wage Act, City shall be entitled to deduct from the Contract Price, and shall retain as liquidated damages, one hundred dollars (\$100.00) per day, per worker who is paid less than the prevailing hourly rate of wages, to approximate the additional costs. The sum shall be deducted, paid or owed whether or not the Contract Times have expired.
 - ii. City shall give written notice to Contractor setting forth the workers who have been underpaid, the amount of the statutory penalty and the amount of the liquidated damages as provided for in this Subparagraph. Contractor shall have fourteen (14) calendar days to respond, which time may be extended by City upon written request. If Contractor fails to respond within the specified time, the City's original notice shall be deemed final. If Contractor responds to City's notice, City will furnish Contractor a final decision in writing within five (5) days of completing any investigation.

Sec. 25. Interpretation of the Contract.

- (a) CITY selected CONTRACTOR through a negotiated procurement process rather than an Invitation for Bids (IFB) solicitation. Unlike the IFB, this process allows the CITY and CONTRACTOR to discuss and negotiate a contract at arm's length prior to entering a final contract that is acceptable to both the CITY and the CONTRACTOR. After negotiation and discussion, CONTRACTOR and CITY have incorporated multiple documents into this Agreement and the meaning of some of the words used in the Agreement may be uncertain, incomplete or duplicative and the Agreement may promise something at one place and take that promise away at another. In sum, the Agreement may contain words and provisions that are susceptible of more than one meaning so that reasonable persons of average intelligence may fairly and honestly differ in their construction of the words and provisions. It is the intent of the CITY and the CONTRACTOR that the CITY's taxpayers receive the benefit or advantage in the construction and interpretation of this Agreement, regardless of

the normal judicial rules of contract construction even if the construction and interpretation of the Agreement will cost the CONTRACTOR more money and time. CITY and CONTRACTOR agree that CITY's Deputy Director of KC Water Services shall resolve all disagreements as to the meaning of this Agreement or any ambiguity in this Agreement, in favor of the CITY and its taxpayers even if it will cost the CONTRACTOR more money and time. The decision of CITY's Deputy Director of KC Water shall be final and conclusive if the Deputy Director of KC Water Services acted in good faith.

- (b) CONTRACTOR acknowledges and agrees that the CITY has provided CONTRACTOR with an opportunity to have CONTRACTOR's attorney review and advise CONTRACTOR on the Agreement and any potential ambiguities or areas of disagreement and the potential adverse legal consequences of CONTRACTOR agreeing to this Section as well as the entire Agreement. CONTRACTOR certifies that CONTRACTOR has provided the CITY written notice of all ambiguities, conflicts, errors or discrepancies that it has discovered in the Agreement and the written resolution thereof by the CITY as embodied in this final Agreement is acceptable to CONTRACTOR.
- (c) CONTRACTOR certifies that CONTRACTOR has either (1) waived its right to have CONTRACTOR's attorney review this Section and Agreement; or (2) CONTRACTOR has consulted with an attorney on this Section and Agreement.
- (d) CONTRACTOR knowingly and voluntarily agrees to this Section and the entire Agreement. CONTRACTOR certifies that this contract was not procured by fraud, duress or undue influence.

Sec. 26. Contract Execution. This Contract may be executed in one or more counterparts, each of which will be deemed an original copy of this Contract and all of which, when taken together, will be deemed to constitute one and the same Contract. This Contract shall be effective upon the execution of counterparts by both parties, notwithstanding that both parties may not sign the same counterpart. The parties' signatures transmitted by facsimile or by other electronic means shall be proof of the execution of this Contract and shall be acceptable in a court of law.

Sec. 27. Guaranteed Lowest Pricing. CONTRACTOR certifies that this Contract contains CONTRACTOR's lowest and best pricing for all services supplied by CONTRACTOR to any government, governmental entity, political subdivision, city, state, school district or any other public entity in the United States as of the date of this Contract.

Sec. 28. Assignability and Subcontracting.

- (a) Assignability. CONTRACTOR shall not assign or transfer any part or all of CONTRACTOR's obligation or interest in this Contract without prior written approval of CITY. If CONTRACTOR shall assign or transfer any of its obligations or interests under this Contract without the CITY's prior written approval, it shall constitute a material breach of this Contract. This provision shall not prohibit CONTRACTOR from subcontracting as otherwise provided for herein.
- (b) Subcontracting. CONTRACTOR shall not subcontract any part or all of CONTRACTOR's obligations or interests in this Contract unless the subcontractor has been identified in a

format required by CITY. If CONTRACTOR shall subcontract any part of CONTRACTOR's obligations or interests under this Contract without having identified the subcontractor, it shall constitute a material breach of this Contract. The utilization of subcontractors shall not relieve CONTRACTOR of any of its responsibilities under the Contract, and CONTRACTOR shall remain responsible to CITY for the negligent acts, errors, omissions or neglect of any subcontractor and of such subcontractor's officers, agents and employees. CITY shall have the right to reject, at any point during the term of this Contract, any subcontractor identified by CONTRACTOR, and to require that any subcontractor cease working under this Contract. CITY's right shall be exercisable in its sole and subjective discretion. CITY shall not be obligated to pay or be liable for payment of any monies which may be due to any subcontractor. CONTRACTOR shall include in any subcontract a requirement that the subcontractor comply with all requirements of this Contract in performing CONTRACTOR's services hereunder.

- (c) CONTRACTOR shall not employ or retain any Subcontractor, Supplier or other person or organization (including those acceptable to CITY as indicated in Paragraph 6.07 B), whether initially or as a substitute, against whom CITY has a reasonable objection, including but not limited to debarment by City or another governmental entity or decertification of the Subcontractor from the City's Minority and Women's Business Enterprise Program as a result of the Subcontractor's failure to comply with any of the requirements of the provisions of Chapter 3 of the City's Code as determined by the Director of the Human Relations Department. Contractor shall insert this provision in any subcontractor agreement associated with this Contract. CONTRACTOR shall not be required to employ any Subcontractor, Supplier or other person or organization to furnish or perform any of the Work against whom CONTRACTOR has reasonable objection. CONTRACTOR shall submit required information for all Subcontractors on Form 01290.09 - Subcontractor and Major Material Suppliers List, provided in these Contract Documents, prior to Subcontractor beginning Work at the Site.
- (d) CONTRACTOR shall provide the identity of certain Subcontractors, Suppliers or other persons or organizations (including those who are to furnish the principal items of materials or equipment) to be submitted to CITY on or before the date specified in the Supplementary Conditions, for acceptance by CITY. If CONTRACTOR has submitted a list thereof in accordance with the Supplementary Conditions, CITY may accept (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Contract Documents) any such Subcontractor, Supplier or other person or organization so identified, or may reject same on the basis of reasonable objection after due investigation, in which case CONTRACTOR shall submit an acceptable replacement for the rejected Subcontractor, Supplier or other person or organization. The Contract Price will be adjusted by the difference in the cost occasioned by such substitution, and an appropriate Change Order will be issued or Written Amendment signed. No acceptance by CITY of any such Subcontractor, Supplier or other person or organization shall constitute a waiver of any right of CITY to reject defective Work.
- (e) CONTRACTOR shall be fully responsible to CITY for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions. Nothing in the Contract Documents

shall create for the benefit of any such Subcontractor, Supplier or other person or organization any contractual relationship between CITY or DESIGN PROFESSIONAL and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of CITY or DESIGN PROFESSIONAL to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Laws or Regulations.

- (f) CONTRACTOR shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR.
- (g) CONTRACTOR shall contractually require all Subcontractors, Suppliers and such other persons and organizations performing or furnishing any of the Work to communicate with CITY and DESIGN PROFESSIONAL through CONTRACTOR.
- (h) The divisions and sections of the Specifications and the identifications of any Drawings shall not control CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- (i) All Work performed for CONTRACTOR by a Subcontractor or Supplier shall be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor or Supplier that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of CITY. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the CONTRACTOR and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against CITY, CONTRACTOR, DESIGN PROFESSIONAL, Consultants and all other additional insureds for all losses and damages caused by, arising out of or resulting from any perils, to the extent covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, CONTRACTOR will obtain the same.
- (j) Except as otherwise provided in this Section, the agreement between CONTRACTOR and the Subcontractor or Supplier, shall provide that the CONTRACTOR and the Subcontractor or Supplier agree not to request CITY or CITY's Representative to intervene in or facilitate the resolution of claims or contract disputes arising out of or related to the agreement between CONTRACTOR and the Subcontractor or Supplier. Furthermore, the Contracts between CONTRACTOR and Subcontractors or Suppliers shall provide that all unresolved claims and disputes between CONTRACTOR and the Subcontractor or Supplier that remain unresolved after thirty (30) calendar days from the notice of claim, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. Any such mediation shall be conducted in accordance with the CITY's Code Section 3-467.
- (k) CONTRACTOR shall not insert any provision in any subcontractor agreement associated with this Contract that explicitly states or implies that the subcontractor shall only be paid for work performed if or when the general CONTRACTOR is paid by the CITY . Contractor's compliance with this provision is a material term of this Contract.
- (l) CONTRACTORS shall not deny any Subcontractor subcontracting opportunities solely because the Subcontractor is not a signatory to collective bargaining agreements with organized labor.

Sec. 29. Professional Services. Conflict of Interest Certification. If this Contract is for professional services other than for medical doctors or appraisers, CONTRACTOR certifies that CONTRACTOR is not an expert witness for any party in litigation against the CITY at the time of the issuance of this Contract.

Sec. 30. Intellectual Property Rights. CONTRACTOR agrees, on its behalf and on behalf of its employees and agents, that it will promptly communicate and disclose to CITY all computer programs, documentation, software and other copyrightable works ("copyrightable works") conceived, reduced to practice or made by CONTRACTOR or its agents, whether solely or jointly with others, during the term of this Contract resulting from or related to any work CONTRACTOR or its agents may do on behalf of CITY or at its request. All inventions and copyrightable works that CONTRACTOR is obligated to disclose shall be and remain entirely the property of CITY. It is agreed that all inventions and copyrightable works are works made for hire and shall be the exclusive property of CITY. CONTRACTOR hereby assigns to CITY any rights it may have in such copyrightable works. CONTRACTOR shall cooperate with CITY in obtaining any copyrights or patents.

Sec. 31. Minority and Women's Business Enterprises. CITY is committed to ensuring that M/WBE participate to the maximum extent possible in the performance of CITY contracts. M/WBE participation goals have been set for this Contract at 1.0 % MBE and 1.0% WBE. CONTRACTOR agrees to comply with all requirements of City's Minority and Women's Business Enterprise Program as enacted in CITY'S Code Sections 38-84 through 38-100.8 and as hereinafter amended. CONTRACTOR shall make its good faith efforts in carrying out this policy by implementing its Contractor Utilization Plan (CUP). If CONTRACTOR fails to achieve the M/WBE goals stated in its CUP, as amended, the CITY will sustain damages, the exact extent of which would be difficult or impossible to ascertain or estimate at the time of execution of this contract. Therefore, in order to liquidate those damages, the monetary difference between the amount of the M/WBE goals set forth in this CONTRACTOR utilization plan, as amended, and the amount actually paid to qualified MBEs and WBEs for performing a commercially useful function will be deducted from the CONTRACTOR'S payments as liquidated damages. In determining the amount actually paid to qualified MBEs and WBEs, no credit will be given for the portion of participation that was not approved by the Director of CITY's Human Relations Division, unless the Director determines that the CONTRACTOR acted in good faith. No deduction for liquidated damages will be made when, for reasons beyond the control of the CONTRACTOR, the M/WBE participation stated in the CUP, as amended and approved by the Director, is not met.

Contractor shall comply with City's MBE/WBE Program Reporting System requirements. Contractor shall use City's Internet web based MBE/WBE Program Reporting System provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 32. Workforce. If Contractor is required to pay prevailing wages for the work performed pursuant to this Contract, Contractor agrees to comply with all requirements of City's Construction Employment Program as enacted in City's Code, Sections 3-501 through 3-525 and as hereinafter amended. Contractor shall meet or exceed the construction employment goals unless the same shall have been waived in the manner provided by law. Contractor's compliance with this provision is a material part of this Contract.

Contractor shall comply with City's Workforce Program Reporting System requirements. Contractor shall use City's Internet web based Workforce Program Reporting System provided by City and protocols

included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 33. Employee Eligibility Verification. CONTRACTOR shall execute and submit an affidavit, in a form prescribed by the CITY, affirming that CONTRACTOR does not knowingly employ any person in connection with the contracted services who does not have the legal right or authorization under federal law to work in the United States as defined in 8 U.S.C. §1324a(h)(3). CONTRACTOR shall attach to the affidavit documentation sufficient to establish CONTRACTOR's enrollment and participation in an electronic verification of work program operated by the United States Department of Homeland Security to verify Information of newly hired employees, under the Immigration and Reform and Control Act of 1986. CONTRACTOR may obtain additional information about E-Verify and enroll at <https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES>. For those CONTRACTORS enrolled in E-Verify, the first and last pages of the E-Verify Memorandum of Understanding that CONTRACTOR will obtain upon successfully enrolling in the program shall constitute sufficient documentation for purposes of complying with this section. CONTRACTOR shall submit the affidavit and attachments to the CITY prior to execution of the contract, or at any point during the term of the contract if requested by the CITY.

Sec.34. Emergencies.

- (a) Disaster means any large scale event such as an act of terrorism, fire, wind, flood, earthquake or other natural or man-made calamity which results in, or has the potential to result in a significant loss of life or property.
- (b) During and after a disaster, CONTRACTOR shall provide special services to the CITY including CONTRACTOR shall open CONTRACTOR's facilities even on nights and weekends as necessary to meet the needs of the City during a disaster.
- (c) CONTRACTOR shall not charge CITY any fee for opening facilities during an emergency or for extending CONTRACTOR'S hours of operation during a disaster. CITY shall pay CONTRACTOR the agreed upon contract prices for all purchases made by CITY during the disaster and CONTRACTOR shall not charge CITY any additional mark-up, fee or cost for any purchases made by CITY during a disaster.
- (d) CONTRACTOR shall quickly mobilize CONTRACTOR's internal and external resources to assist CITY when a disaster unfolds.
- (e) Extended hours and personnel. During disasters, CONTRACTOR's facilities shall stay open 24 hours if requested by the CITY. CONTRACTOR shall utilize additional CONTRACTOR personnel to take CITY orders if necessary. CONTRACTOR's Call Center shall accept phone orders 24 hours a day.
- (f) CONTRACTOR shall have contingency plans with CONTRACTOR's suppliers to provide additional supplies and equipment quickly to CITY as needed.
- (g) CONTRACTOR shall cooperate with CITY to properly document any and all expenses incurred by CITY with CONTRACTOR and CONTRACTOR shall assist CITY in meeting any and all

documentation requirements of the Federal Emergency Management Agency (FEMA).

Sec. 35

Attachments. The following documents are Attachments to this Contract and are attached hereto and incorporated herein by this reference:

Attachment 1 – Pricing/Cost Proposal

00410.01 Experience Reference Form

Attachment 2 – Employee Eligibility Verification Affidavit

Attachment 3 – Cooperative Procurement With Other Jurisdictions Form

Attachment 4 – State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531

Attachment 5 – Section 445055 Biosolids Handling and Disposal Specification

Attachment 6 - HRD Forms & Instructions

00440 HRD 5 Construction Contract HRD Instructions

00450 HRD 8 Contractor Utilization Plan/Request for Waiver

00450.01 Letter of Intent to Subcontract

00460 HRD 10 Timetable for MBE/WBE Utilization

00470 HRD 11 Request for Modification or Substitution

00485 HRD Monthly Reporting Forms

Affidavit of Training Program

HRD Employee Identification Report

Attachment 7 - Bonds

00430 Bid Bond

00610 Performance and Maintenance Bond

00615 Payment Bond

Attachment 8 – 00830 Wage Rate Requirements

Annual Wage Order 28

County – Clay

Work Type:

State – Building

Division of Labor Standards Rules & Regulations

01290.08 Wage Rate Verification Questionnaire

01290.09 Subcontractors and Major Material Suppliers List

01290.11 Daily Labor Force Report

01290.14 Contractor Affidavit for Final Payment

01290.15 Subcontractor Affidavit for Final Payment

Attachment 9 – 00630 Revenue Clearance Release Authorization

Attachment 10 – Application for Payment

Attachment 11 – Pre-Bid Conference Attendance List

Attachment 12 - CREO 14 Affirmative Action Program Affidavit

CONTRACTOR

I hereby certify that I have the authority to execute
this document on behalf of CONTRACTOR.

Contractor: _____

By: _____

Title: _____

Date: _____

KANSAS CITY, MISSOURI

By: _____

Typed or Printed Name: _____

Title: _____

Date: _____

APPROVED AS TO FORM

Assistant City Attorney Date

I hereby certify that there is a balance, otherwise unencumbered, to the credit of the appropriation to which the foregoing expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment is to be made, each sufficient to meet the obligation hereby incurred.

Director of Finance Date

ATTACHMENT NO. 1

PRICING/COST PROPOSAL¹

BASE PROJECT^{2,3}– MUST BE INCLUDED IN RESPONSE

A. PRICING TO CONSTRUCT & MAINTAIN TEMPORARY DEWATERING (if needed) AND STABILIZATION² (if needed) OPERATIONS ON CITY PROPERTY

1. Annual Price \$ _____

B. PRICING TO DEWATER (if needed) AND STABILIZE (if needed) 25,000,000 GALLONS OF BIOSOLIDS ON CITY PROPERTY

1. Price per Gallon to Dewater and Stabilize 5 MGal of Biosolids \$ _____

2. Price per Gallon to Dewater and Stabilize 20 MGal of Biosolids \$ _____

C. PRICING TO TRANSPORT AND LAND APPLY BIOSOLIDS OFF CITY PROPERTY

1. Price per Gallon to Transport and Land Apply remaining 5 MGal of Biosolids \$ _____

2. Price per Gallon to Transport and Land Apply remaining 20 MGal of Biosolids \$ _____

D. EVALUATION PRICE

A + B + C = \$ _____

ALTERNATIVE #1^{3,4,5}: PRICING TO REMOVE, TRANSPORT AND LAND APPLY SCREENED LIQUID BIOSOLIDS OFF CITY PROPERTY

1. Price per Gallon to Remove, Transport and Land Apply 5 MGal of Liquid Biosolids \$ _____

2. Price per Gallon to Remove, Transport and Land Apply 20 MGal of Liquid Biosolids \$ _____

- 1- Costs will be adjusted annually using the U.S. Bureau of Labor Statistics Consumer Price Index for **All Urban Consumers, US City Average, All Items (CPI-U)**. This will be calculated using the latest available CPI-U value as published by the U.S. Bureau of Labor Statistics in the month prior to the month of the anniversary of the contract.
- 2- City expects trash to be screened prior to dewatering.
- 3- Although biosolids are already Class B Biosolids, they will require lime stabilization in order to be able to be stockpiled on-site prior to being transported off-site. Stabilization is not required if biosolids are not dewatered.
- 4- Alternative presented may be considered for inclusion within and/or amendment to the base project if it represents the most value to the City.
- 5- If this alternative is selected, liquid biosolids will be required to have grit and trash screened out by Contractor prior to land application.

ATTACHMENT NO. 2

AFFIDAVIT

EMPLOYEE ELIGIBILITY VERIFICATION AFFIDAVIT

(Required for any contract with the City of Kansas City, Missouri in excess of \$5,000.00)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20__ before me appeared _____, personally known by me or otherwise proven to be the person whose name is subscribed on this affidavit and who, being duly sworn, stated as follows:

I am of sound mind, capable of making this affidavit, and personally swear or affirm that the statements made herein are truthful to the best of my knowledge. I am the _____ (title) of _____ (business entity) and I am duly authorized, directed or empowered to act with full authority on behalf of the business entity in making this affidavit.

I hereby swear or affirm that the business entity does not knowingly employ any person in connection with the contracted services who does not have the legal right or authorization under federal law to work in the United States as defined in 8 U.S.C. § 1324a(h)(3).

I hereby additionally swear or affirm that the business entity is enrolled in an electronic verification of work program operated by the United States Department of Homeland Security (E-Verify) or an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, under the Immigration Reform and Control Act of 1986, and that the business entity will participate in said program with respect to any person hired by the business entity to perform any work in connection with the contracted services.

I have attached hereto documentation sufficient to establish the business entity's enrollment and participation in the required electronic verification of work program. The documentation will consist of the first and last pages of the E-Verify Memorandum of Understanding that the Contractor obtained upon successfully enrolling in the program.

I am aware and recognize that unless certain contractual requirements are satisfied and affidavits obtained as provided in Section 285.530, RSMo, the business entity may face liability for violations committed by its subcontractors, notwithstanding the fact that the business entity may itself be compliant.

I acknowledge that I am signing this affidavit as the free act and deed of the business entity and that I am not doing so under duress.

Affiant's signature

Subscribed and sworn before me on this ____ day of _____ 20____

Notary Public

My commission expires: _____

ATTACHMENT NO. 3

COOPERATIVE PROCUREMENT WITH OTHER JURISDICTIONS FORM

The Bidder agrees to provide products and/or services to any municipality, county, state, governmentally public utility, non-profit hospital, educational institute, special governmental agency, and non-profit corporation performing governmental functions that participates in or is represented by the Mid-America Council of Public Purchasing (MACPP) in the greater Kansas City Metropolitan Trade Area and any member of the Mid-America Regional Council (MARC).

YES _____

NO _____

Authorized Representative:

Signature: _____

Title: _____

Business/Firm Name: _____

Date: _____

AFFIRMATIVE ACTION PROGRAM AFFIDAVIT

(required for any contractor with 50 or more employees and
a contract with the City of Kansas City, Missouri, in excess of \$300,000.00)

STATE OF _____)
) ss
COUNTY OF _____)

On this _____ day of _____, 20____, before me appeared
_____, personally known by me or otherwise
proven to be the person whose name is subscribed on this affidavit and who, being duly sworn,
stated as follows:

I am of sound mind, capable of making this affidavit, and personally swear or affirm that
the statements made herein are truthful to the best of my knowledge. I am the
_____ (title) of _____
(business entity) and I am duly authorized, directed or empowered to act with full authority on
behalf of the business entity in making this affidavit.

I hereby swear or affirm that [*enter business entity name*] has an affirmative action
program (the “Program”) in place and will maintain the Program for the duration of its contract
with the City of Kansas City, Missouri (“City”) as required by Chapter 3 of the City’s Code of
Ordinances.

I hereby additionally swear or affirm that attached hereto is a true copy of the Program.

I hereby additionally swear or affirm that the business entity shall not discriminate
against any employee or applicant for employment because of race, color, sex, religion, national
origin or ancestry, disability, sexual orientation, gender identity or age in a manner prohibited by
Chapter 3 of the City’s Code of Ordinances.

I acknowledge that I am signing this affidavit as the free act and deed of the business
entity and that I am not doing so under duress.

Affiant's signature

Subscribed and sworn to before me this _____ day of _____, 20____.

Notary Public

My Commission expires:



ADDENDUM NUMBER #2

Contract/Project Number 1661/60810108

Title/Description Birmingham Land Application Procurement

ISSUE DATE: 7/22/2022

TO ALL PROSPECTIVE BIDDERS/PROPOSERS:

Information to Bidders is provided to Bidders for information only:

1. The Pricing/Cost Proposal Form provided in Attachment 1 of the Standard City Contract is being removed and replaced with the Contract Bid Form, Form 00412 – Unit Prices and Form 00420 – Alternates to provide a means for the City to evaluate potentially different project delivery approaches.
2. The Standard City Contract and Section 445055 were revised to remove the Contract term of two years.

This addendum revises referenced bid/proposal and/or specifications documents as follows:

1. Delete and replace the following section(s):
 - a. Delete Standard City Contract, Attachment 1, Pricing/Cost Proposal Form and replace with the following:
 - i. Contract Bid Form
 - ii. Form 00412 – Unit Prices
 - iii. Form 00420 – Alternates
 - b. Delete Standard City Contract, Attachment 5 – Section 445055 Biosolids Handling and Disposal and replace with revised Attachment 5 attached.
 - c. Delete Standard City Contract and replace with revised Standard City Contract attached.

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Contract Bid Form.



CONTRACT BID FORM

Project/Contract No. 60810108/1661

Contract Title Birmingham WWTP Biosolids Land Application Procurement

Bidder _____

1. The undersigned Bidder, having examined the Bidding Documents, related documents and the Site of the Work, and being familiar with all the conditions affecting the provision of services of the proposed Specification/Scope of Work, including Laws and Regulations and the availability of labor, materials and equipment, agrees, if this Bid is selected by City, to enter into a contract with City using the contract provided in the bid package to furnish all labor, materials, equipment and services necessary for the proper completion of the Work in accordance with the contract documents, at the price(s) stated below, which stated sum(s) include(s) all fees and other costs applicable thereto.
2. The maximum obligation of the CITY for the Work is \$2,400,000.00, includes Unit Prices. The sum of the extensions of the Unit Prices form is \$_____, and shall be considered in determining the lowest and best bid. The actual number of units worked and paid for under this Contract may be more or less than the estimated quantity given or may be none.
3. The Bidder agrees to enter into One (1) successive renewals to this Contract if so requested by the CITY. The determination to renew the Contract will be at the sole discretion of the CITY where such renewal would be in the best interest of the CITY and subject to the availability and appropriation of funds. An increase in a unit price, if any, will be determined solely by the CITY, and if needed, will not exceed the change in the Consumer Price Index for the period since the Contract was signed.
4. This Bid Form incorporates **00412 Unit Prices** which must be completed and returned with this Bid Form.
5. Form 00420 - Alternates contains work and prices which modify the Base Bid, if selected, and is incorporated into this Bid. This form must be completed and returned with this Bid.
6. The undersigned Bidder has given City written notice of all conflicts, errors or discrepancies that it has discovered in the bidding and contract documents and the written resolution thereof by the City is acceptable to Bidder.
7. The undersigned Bidder agrees that this Bid shall remain subject to selection by City, and may not be withdrawn for ninety (90) days after the day Bids are opened.
8. The undersigned Bidder certifies that this Bid contains no modifications, deviations, riders or qualifications.
9. The undersigned Bidder acknowledges receipt of the following addenda listed by number and date appearing on each addendum:

Addendum No. Dated Addendum No. Dated Addendum No. Dated

()	()	()	()	()	()
()	()	()	()	()	()
()	()	()	()	()	()

10. By submitting its bid, Bidder warrants that if its bid should exceed \$300,000.00 and Bidder employs fifty (50) or more people, Bidder has an affirmative action program in place and will maintain the affirmative action program in place for the duration of its contract with the City. Bidder further warrants that it will comply with the affirmative action requirements contained in Section 38-2, Code of Ordinances.

11. The following Sections constitute the Affidavit of Intended Utilization, required to be submitted by Bidders. The City's HRD Forms and Instructions are incorporated hereto and made part of this Bid Form.

12. By submitting its bid, Bidder is agreeing to the following: (1) Bidder has made by bid opening a good faith effort to meet the MBE/WBE/DBE goals established for the project; or Bidder will continue to make during the 48 hours after bid opening a good faith effort to meet the MBE/WBE/DBE goals established for the project; and (2) Bidder will timely submit its **00450 HRD 08 Contractor Utilization Plan/Request for Waiver** and **00450.01 Letter of Intent to Subcontract** for each MBE/WBE listed on the 00450 HRD 08 Construction Contractor Utilization Plan/Request for Waiver;; and (3) Bidder will submit documentation of its good faith efforts to meet the MBE/WBE/DBE goals when requested by the City. Failure to meet these requirements in good faith will result in Bidder forfeiting its bid bond.

PROJECT GOALS: 1 % MBE 1 % WBE
BIDDER PARTICIPATION: % MBE % WBE

13. To the best of Bidder's knowledge, the following are names of certified MBEs and/or WBEs with whom Bidder, or Bidder's subcontractors, presently intend to contract with if awarded the Contract on the above project: **(All firms must currently be certified by Kansas City, Missouri Human Relations Department)**

- a. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
 Area/Scope of work _____
 Subcontract amount _____

- b. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
 Area/Scope of work _____
 Subcontract amount _____

- c. Name of M/WBE Firm _____
 Address _____
 Telephone No. _____
 I.R.S. No. _____
 Area/Scope of work _____
 Subcontract amount _____

(List additional MBE/WBEs, if any, on additional page and attach to this form)

14. By submitting its bid, Bidder is agreeing it will identify and timely submit within 48 Hours after Bid opening those MBE/WBE subcontractors with dollar amounts and scopes of work, which apply to or exceed the MBE/WBE goals for the Project on the **00450 HRD 08 Contractor Utilization Plan/Request for Waiver**.

15. Bidder agrees that failure to meet or exceed the M/WBE Goals for the Bid will require the Director of Human Relations to recommend disapproval of the Bid unless the Director of Human Relations finds the Bidder established good faith efforts towards meeting the goals as set forth in the HRD Forms and Instructions and the City's MBE/WBE Ordinance.

(If required, submit Bid security with Bid.)

Business Entity Type:

- ☐ Missouri Corporation
☐ Foreign Corporation
☐ Fictitious Name Registration
☐ Sole Proprietor
☐ Limited Liability Company
☐ Partnership
☐ Joint Venture
☐ Other: _____

(Specify)

Legal name and address of Bidder:

Telephone No. _____

Facsimile No: _____

E-Mail Address: _____

Federal Identification Number _____

I hereby certify that I have authority to execute this document on behalf of Bidder, person, firm, partnership, corporation or association submitting Bid.

By: _____
(Signature)

(Print Name)

Title: _____

Date: _____

(Attach corporate seal if applicable)



KANSAS CITY
MISSOURI

UNIT PRICES

Project Number 608010108/1661

Project Title Birmingham WWTP Biosolids Land Application Procurement

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:		Extension
1	Lump Sum	1	PRICING TO CONSTRUCT & MAINTAIN TEMPORARY DEWATERING AND STABILIZATION (IF NEEDED) OPERATIONS ON CITY PROPERTY - ANNUAL PRICE		
2	Gal	5,000,000	PRICING TO DEWATER AND STABILIZE 5,000,000 GALLONS OF BIOSOLIDS ON CITY PROPERTY - PRICE PER GALLON TO DEWATER AND STABILIZE 1 TO 5,000,000 GALLONS OF BIOSOLIDS		
3	Gal	20,000,000	PRICING TO DEWATER AND STABILIZE 20,000,000 GALLONS OF BIOSOLIDS ON CITY PROPERTY - PRICE PER GALLON TO DEWATER AND STABILIZE 5,000,001 TO 25,000,000 GALLONS OF BIOSOLIDS		
4	Gal	5,000,000	PRICING TO TRANSPORT AND LAND APPLY BIOSOLIDS CAKE OFF CITY PROPERTY - PRICE PER GALLON TO TRANSPORT AND LAND APPLY 1 TO 5,000,00 GALLONS OF BIOSOLIDS		
5	Gal	20,000,000	PRICING TO TRANSPORT AND LAND APPLY BIOSOLIDS CAKE OFF CITY PROPERTY - PRICE PER GALLON TO TRANSPORT AND LAND APPLY 5,000,001 TO 25,000,000 GALLONS OF BIOSOLIDS		
			Total Unit Prices: (LAST PAGE ONLY)		TOTAL \$

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.



ALTERNATES

Project Number 1661/60810108

Project Title Birmingham WWTP Biosolids Land Application
Procurement

Page 1 of 1

No: 1	Description: PRICING TO REMOVE, TRANSPORT AND LAND APPLY SCREENED LIQUID BIOSOLIDS OFF CITY PROPERTY – PRICE PER GALLON TO REMOVE, TRANSPORT AND LAND APPLY 5,000,000 GALLONS OF LIQUID BIOSOLIDS	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Unit Price in Figures: \$
No: 2	Description: PRICING TO REMOVE, TRANSPORT AND LAND APPLY SCREENED LIQUID BIOSOLIDS OFF CITY PROPERTY – PRICE PER GALLON TO REMOVE, TRANSPORT AND LAND APPLY 20,000,000 GALLONS OF LIQUID BIOSOLIDS	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Unit Price in Figures: \$

SECTION 445055

Biosolids Handling and Disposal

PART 1 GENERAL

1.01 1.01 SUMMARY

- A. The Project is at the Birmingham Land Application Site (BLAS) located at 10801 NE 28th Street, Kansas City, MO 64161 adjacent to the Birmingham WWTP. There are five holding cells located at Birmingham WWTP that have an estimated 25,000,000 gallons of sludge that are required to be land applied or otherwise disposed of. Additional sludge from Birmingham generated during the execution of this Project may also be treated as part of this Work. All additional sludge comes to Birmingham WWTP from Blue River WWTP as Class B Biosolids.
- B. The Work to be performed by the Contractor under this section covers complete responsibility for receiving biosolids (sludge), dewatering (if needed), stabilization (if needed), transportation, storage, and off-site land application of Class B Biosolids.
- C. All Equipment & Facilities shall be demolished at the end of the Work and a cleaned site shall be returned to the City.
- D. Base Bid is for Contractor is for the contractor's facilities to be at the BLAS. The BLAS is located in the floodway. Contractor will responsible for any permitting for facilities constructed to facilitate their biosolids activities.

1.02 RELATED SECTIONS:

- 1. None.

1.03 STANDARDS

- A. National Electric Code.
- B. National Fire Protection Association Standards.

1.04 REGULATIONS AND CODES:

- A. The Work of the Section shall comply with all necessary codes.
- B. The Work shall comply with all Regulations including but not limited to those below.
 - 1. State of Missouri Department of Natural Resources Standard Conditions Part III for NPDES Permits issued by the Missouri Department of Natural Resources (MDNR), issued August 1, 2019; any Special Conditions as may be included in the Blue River Wastewater Treatment Plant NPDES permit MO-0024911; Birmingham Wastewater Treatment Plant NPDES Permit MO-0049531; and other applicable rules and regulations limiting or otherwise regulating the processing and land application of Class B Biosolids.
- C. Kansas City Building Code.
- D. Missouri 10 CSR 20-8 Minimum Design Standards.

1.05 SYSTEM DESCRIPTION

- A. Contractor shall be responsible for transporting lagoon biosolids from the storage lagoons to the dewatering and stabilization area, if needed. The City may direct and define an alternate dewatering and stabilization area at the BLAS in the event of unforeseen circumstances. The Contractor may choose where to stage their dewatering and stabilization area, pending City approval. City may direct Contractor to perform dewatering and/or stabilization activities at other KCMO Facilities, if needed.
- B. Contractor shall be responsible for dewatering and stabilizing the biosolids. Contractor will supply an electromagnetic flow meter (magmeter) with five pipe diameters downstream and 10 pipe diameters upstream to account for gallons of biosolids removed from the holding cells. City will have the ability to oversee the installation and operation of the magmeter at any time.
- C. Contractor shall be responsible for determining the methods of biosolids removal, dewatering, stabilization (if necessary to meet regulations), transportation, storage, disposal/reuse of biosolids off-site from the Birmingham Land Application Site (BLAS) which surrounds the Birmingham WWTP. Contractor shall obtain all permits, approvals, and/or contractual agreements required for this Work and shall provide all labor, equipment, tools, and materials, and services necessary to meet all the requirements of the Contract Documents, as needed, unless otherwise specified herein.

1.06 PERFORMANCE REQUIREMENTS

- A. Grab and composite sludge samples collected from the five Birmingham holding cells from August 2020 to June 2021 had an average total solids composition of 5.28%, with a range of 1.0 to 10.9%. Daily values will vary.
- B. Contractor's equipment shall be capable of dewatering sludge at a rate to complete treatment of the 25,000,000 gallons of sludge within the contracted time frame.
- C. Contractor shall NOT store lagoon biosolids on pavement at City Facilities.
- D. Contractor shall be required to move their trucks within 15 minutes when full or as directed by WWTD Staff.
- E. Contractor shall transport lagoon biosolids to the biosolids dewatering area, if needed.
- F. If on-City Property biosolids dewatering and stabilization is utilized, Contractor shall surround their biosolids dewatering area with fencing or permanent markings to demarcate the biosolids dewatering area from the Birmingham WWTP operations area. City may direct Contractor to perform dewatering and/or stabilization activities at other KCMO Facilities, if needed.
- G. Holding cells are in the floodplain. Contractor will follow all applicable requirements and regulations.
- H. The Work shall be performed in accordance with all applicable ordinances, laws, and regulations propagated by local, state, and federal governments.

- I. It is the Contractor's responsibility to determine which federal, state, and local codes/ordinances, federal, state, and local laws, and federal, state, and local regulations are applicable to ensure compliance, including but not limited to Federal 40 CFR Part 503 regulations.

1.07 SUBMITTALS

- A. Contractor shall submit an Operations Plan (Section 1.07 B.), daily records, EPA and MDNR reports, daily logs, pictures and videos, as requested by WWTP Staff and other City Staff. Daily logs shall be provided Monthly. Pictures and Videos shall be provided promptly electronically.
- B. Contractor shall submit an Operations Plan at least 30 days before the planned start of the Work. City's review of the Operations Plan does not relieve the Contractor of full responsibility for meeting all requirements of the Specification or for liability for claims, damages, or problems from the Contractor's Work.
 - The Operations Plan shall include the following:
 - i Table of Contents.
 - ii Location of the Project.
 - iii NPDES Permit Number (MO-0049531) for Birmingham WWTP.
 - iv Contact information for all parties involved in biosolids handling.
 - v Location of biosolids dewatering, stabilization and land application area(s) within the BLAS. Aerial photos with highlighted site property boundaries.
 - vi Biosolids removal plan, including a list of all equipment being used.
 - vii Biosolids transportation plan, including a list of all equipment to be used and travel routes with lists of bridge crossing and their weight limits. Contractor access to the Birmingham WWTP will be via one road only.
 - viii Biosolids land application plan, including a list of all equipment to be used.
 - ix List of all laws and regulations applicable to the work to be performed, Staff job titles to be utilized on the project, along with their roles and responsibilities.
 - x Preventive and reactive measures to be taken for potential problems such as odors, spillage, dust control, mud control, noise, etc.
 - xi Biosolids sampling and analysis plan, including but not limited to collection methods, analyses to be performed, and the location of sampling.
 - xii Plan for soil sampling, including but not limited to collection methods, map of sampling locations, and analyses to be performed.
 - xiii Laboratory contact information and qualifications/certifications for performing the required analyses, including EPA certification.
 - xiv Describe how land application rates will be monitored and calculated.
 - xv Describe how Vector Attraction Reduction (VAR) and Pathogen Attraction Reduction (PAR) requirements will be achieved.
 - xvi Record forms to be used and a list of reports to be generated by Contractor.
- C. Contractor shall be responsible for all analysis, record keeping, and report writing to verify that biosolids disposal practices were in conformance with applicable

regulations. Contractor shall develop a daily log form to document the daily work. The forms and recordkeeping methods must be reviewed by Wastewater Treatment Division (WWTD) Operations, Industrial Waste and approved by Engineering Business Unit prior to commencement of Work. Copies of all such records shall be furnished to City and Engineer for each period invoiced.

- D. Contractor shall submit copies of all permits, licenses, and communication with other governmental entities. Other correspondence may be requested by the City (WWTD Operations).
- E. Contractor shall provide forms for land application and compliance with 40 CFR Part 503 to certify that the work was performed in compliance with Part 503 regulations.
- F. Contractor shall provide the City with a sampling schedule, and any updates, to allow observation of the sampling and requests for split samples.
- G. Contractor shall be required to submit biosolids sampling reports. Reports shall include, but not be limited to, name of individual sample, location, number of samples, method of sampling, chain of custody, date of sample, and results of the lab analysis. Sampling Reports shall be submitted with 7 days of land application.
- H. Contractor shall submit all soils sampling reports. Reports shall include but not be limited to name of individual sampling, location, number of samples, method of sampling, chain of custody, date of sample, and results of lab analysis.
- I. Each Week all photos and videos generated by the Contractor shall be submitted electronically to the WWTD Manager or his/her designee.
- J. Contractor shall certify by letter that the equipment to be used for hauling, land applying or otherwise handling biosolids has not been previously used with hazardous wastes. Alternatively, Contractor may send a letter stating the equipment has been used in hauling hazardous water, but the equipment has been decontaminated such that it will not cross-contaminate City's biosolids and render them as a hazardous waste.
- K. Contractor shall supply all required information for state and federal Annual Sludge (biosolids) Reports monthly no later than the 10th of the month for the preceding month. Contractor shall provide prompt assistance in writing portions of the report relevant to their activities. Documentation of training shall be submitted to Owner within 10 days of training.
- L. Contractor shall provide a Spill Prevention, Control and Countermeasures (SPCC) Plan including any required notifications of regulatory agencies. Employee training on the SPCC procedures shall be conducted and documented prior to hauling biosolids and provided to any new employees prior to their starting work on the project.
- M. Quarterly, the contractor shall provide maps of the parcels where biosolids are applied including loading rates and color coding based on limiting chemical specie(s) biosolids application rates.
- N. Contractor shall provide electronic photos of the areas where they will be constructing facilities or utility extensions before beginning Work.
- O. Contractor shall provide record drawings of their facilities after their completion.

1.08 UTILITIES

- A. Contractor may connect to existing utilities that have excess capacity, throughout the facility. Contractor to verify with City which utilities will be utilized for the Work and their availability to support the Work.
 - 1. Water hydrants with potable water are available surrounding the lagoons. Contractor can access this water to support this Project; however, all water must be metered and have a backflow preventer. City water used will be metered and subtracted from gallons treated for the purposes of this Project.
- B. Contractor shall include meters for electricity. It is responsibility of the Contractor to verify the location of the utilities.
 - 1. The City can provide a 3-phase, 60 amp disconnect tapped off of the electrical line ran to the lagoon for the barge. This electrical line is supplied by a 200 amp breaker, which can supply power for both, should it be required. Contractor is responsible for providing a transformer and their own 100 amp, 2-phase 120/140 panel, which will require a 45 KVA transformer, unless less than 100 amps is sufficient to power Contractor's planned equipment.
- C. The Contractor shall confirm with the City that their placement of the dewatering and biosolids stabilization facilities is acceptable to the City, if used.

1.09 QUALIFICATIONS:

- A. The work shall be performed by a qualified company who shall have at least five (5) years of experience with dewatering, stabilization and land application of biosolids with at least two (2) projects within the last five (5) years where more than 50 wet tons per day have been processed. Acceptable companies include: Denali, Synagro, Bioset, Nutri-Ject, Veris Environmental, Bio-Nomics, or others meeting the requirements of this paragraph which will require approval by the City.

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 MATERIALS

2.03 MANUFACTURED UNITS

2.04 EQUIPMENT

- A. Contractor shall furnish, operate and maintain all equipment required to complete the Work. City-owned equipment will not be used in the event of Contractor-supplied equipment failure.

2.05 COMPONENTS

PART 3 EXECUTION

3.01 GENERAL

- A. Contractor shall take daily photos of their work areas on BLAS property.
- B. Contractor shall comply with all applicable laws and regulations relating to the safety of persons and property, to the protection of persons and property, and to damage, injuries, or loss. Contractor shall implement and maintain all necessary safeguards for such safety and protection.
- C. Contractor will be responsible for dewatering (if necessary), stabilization (if necessary), and off-site land application of the 25,000,000 gallons of biosolids currently within the five holding cells at the Birmingham WWTP, and additional biosolids generated during the execution of this Project at the rate indicated by WWTD.
- D. If biosolids are not stockpiled, additional dewatering and stabilization is not required.
- E. Trash and grit will be screened out of biosolids to the extent practical by the Contractor.
- F. Contractor shall make provisions to direct filtrate to lagoons and avoid dilution of undewatered biosolids.

3.02 COORDINATION

- A. Contractor will notify City (WWTD Staff) 48 hours before the start of on-site operations and 24 hours prior to the end of on-site.
- B. Owner will countersign the gallons removed (metered as described with a magmeter in Section 1.05 B.) on each ticket and the time. Each Ticket will have a copy that will be provided to the Owner.
- C. City has the right to enter the biosolids dewatering and stabilization facilities at any time for any reason.
- D. City has the right to install monitoring equipment in the biosolids dewatering and stabilization facilities.

3.03 BIOSOLIDS TRANSPORTATION

- A. Contractor shall be responsible for determining the methods of transporting the stabilized biosolids to the land application site(s) and/or staging site(s) while ensuring compliance with transportation codes, ordinances, laws, and regulations. This includes coordination with city governments and relevant county governments to determine appropriate haul routes and obtain approval for selected routes. Contractor access to the BLAS will be restricted to one road only.
- B. City must pre-approve the application of biosolids on any parcels within KCMO or within the limits of another City.
- C. CONTRACTOR shall eliminate odor and odor emissions, whenever practical, that migrate from the BLAS transport, storage and application.
- D. Vehicles used for transportation of biosolids must be watertight and have necessary covers to prevent accidental biosolids spillage. Contractor shall have a City (WWTD

Manager) approved spill prevention and contingency plan prior to hauling any biosolids. A paper copy of this plan shall be kept in each vehicle used for transporting biosolids.

3.04 BIOSOLIDS LAND APPLICATION

- A. Contractor shall be responsible for compliance with all federal, state, and location regulations and shall obtain any required permits and approval from regulatory agencies. Contractor shall be responsible for providing all labor, equipment tools, materials, and services necessary for land application. Contractor alone shall be liable for any improper biosolids applications to BLAS or other improper biosolids management activities.
- B. Contractor shall provide calculations and documentation to the satisfaction of the City that all arrangements have been properly made prior to commencement of operations. Documentation shall include, where applicable, but not limited to, copies of permits obtained from authorities, crops to be grown, applications rates, and chemical species used to determine the application rates.
- C. Contractor shall be responsible for completing the appropriate forms for each land application site Contractor shall submit forms to City (WWTD Manager and Birmingham Operations Superintendent) prior to any application of biosolids.
- D. In accordance with federal and state regulations, runoff of biosolids from land application shall not be permitted, including storm water runoff. Contractor shall be responsible for using any necessary means to prevent runoff of biosolids to downstream land, ponds, or waterways. The methods of prevention shall be determined by Contractor and methods shall be provided to the Owner.
- E. Contractor shall cooperate with City in any planning or monitoring activities that are deemed necessary by City or Contractor to ensure proper disposal/reuse of the biosolids and compliance with the 40 CFR 503 regulations and other regulations.

3.05 SITE INSPECTIONS:

- A. City may inspect Contractor's sites at any time and WWTD operations will be provided keys and other equipment necessary to access the Contractor's sites.

3.06 TESTING

- A. Contractor will supply a magmeter with five pipe diameters downstream and 10 pipe diameters upstream to account for gallons of biosolids removed from the holding cells. City will have the ability to oversee the installation and operation of the magmeter at any time.
- B. Contractor shall provide daily total solids analysis of dewatered cake and all total solids tests performed on the dewatered biosolids to WWTD Operations, if applicable.
- C. Contractor shall provide daily total solids analysis of the stabilized product to WWTD Operations, if applicable.
- D. Contractor shall be responsible for all sampling required for reports to EPA and MDNR or by the City. This includes, but is not limited to, daily total solids analysis of the dewatered biosolids/cake, collecting samples of biosolids removed and hauled from

the WWTP, and collecting soil samples for land application requirements. All sampling must be done in accordance with applicable federal and state regulations for biosolids disposal/reuse methods utilized.

- E. City reserves the right to review and approve biosolids sample collection and handling methods.
- F. Contractor shall utilize an independent laboratory that is qualified to perform the analyses requested. Contractor may utilize the KC Water laboratory at standard rates when the lab has available capacity. For all tests, the laboratory must be certified by EPA.

3.07 EQUIPMENT

- A. Contractor shall possess and adequately maintain a large enough and reliable fleet of dewatering and biosolids stabilization equipment and disposal vehicles to properly complete this Project.
- B. Contractor shall furnish, operate and maintain all equipment required to complete the Work. City-owned equipment will not be used in the event of Contractor-supplied equipment failure.
- C. At the end of the Contract, Contractor shall demolish all equipment and facilities located on City Property and return the site to the CITY.

3.08 PROTECTION

- A. Contractor shall be responsible for protecting all stored materials and equipment for the duration of the Contract.

STANDARD CITY CONTRACT

MASTER CONTRACT FOR SERVICES - THE CITY OF KANSAS CITY, MISSOURI

PROJECT/CONTRACT NOS: 60810108/1661

TITLE/DESCRIPTION: Biosolids Handling and Disposal at the Birmingham Land Application Site located at 10801 NE 28th Street, Kansas City, MO 64161

This Contract is between The City of Kansas City, Missouri ("City") Water Services Department ("KC WSD") and _____ ("CONTRACTOR").

Sec. 1. The Contract. The Contract between the KC WSD and CONTRACTOR consists of the following Contract Documents:

- (a) this Contract;
- (b) CONTRACTOR's Bid dated July 26, 2022 that is attached hereto and incorporated into this Contract;
- (c) CITY's Bid that is incorporated into this Contract by reference;
- (d) State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531 and referenced documents including Standard Conditions Part III;
- (e) Section 445055 – Biosolids Handling and Disposal attached hereto and incorporated into this Contract; and
- (f) Any and all Attachments and Exhibits attached to the Contract. All documents listed in this Section 1 shall be collectively referred to as the "Contract Documents" and are incorporated into this Contract. CITY and CONTRACTOR agree that the terms "Agreement" and "Contract" and "Contract Documents" are used interchangeably in this Contract and the terms "Agreement" and "Contract" and "Contract Documents" each include all "Contract Documents."

Sec. 2. Initial Term of Contract and Additional Periods.

- (a) Initial Term. The initial term of this Contract shall begin when the Department issues a notice to proceed. The KC Water Department Director is authorized to enter into an amendment of this Contract with CONTRACTOR to extend the term of this Contract and time of performance for this Contract.
- (b) Renewal Terms. At any time prior to the expiration of the initial term or any subsequent term, the CITY, in its sole discretion, may renew this Contract for up to one (1) additional term.
- (c) Transition Term. Notwithstanding the expiration of the initial term, or any subsequent

term or all options to renew, CONTRACTOR and CITY shall continue performance under this Contract until the CITY has a new contract in place with either CONTRACTOR or another provider or until the CITY terminates the Contract.

Sec. 3. Compensation and Penalties.

- (a) The maximum amount the CITY shall pay CONTRACTOR under this Contract shall not exceed \$_____. CITY shall pay CONTRACTOR on the following basis:
 - a. Unit rates of biosolids on per gallons (Gal) of sludge (biosolids) processed.
- (b) CONTRACTOR shall bill the CITY, in a form acceptable to the CITY, on the following basis:
 - a. CONTRACTOR may invoice the CITY for gallons of biosolids processed Monthly.
 - b. CONTRACTOR may submit an invoice for the annual price of CONTRACTOR's temporary facilities in their first invoice of each year.
- (c) CITY shall order all services to be provided by CONTRACTOR under this Contract by means of a Purchase Order issued by the CITY's Finance Department for which funds have been certified and encumbered by the City's Director of Finance. CITY shall not have any financial obligations to CONTRACTOR under this Contract until the CITY issues a Purchase Order to CONTRACTOR. CONTRACTOR shall not provide any services in excess of the dollar amount contained in any Purchase Order and CONTRACTOR shall not be entitled to any payment in excess of the dollar amount of the Purchase Orders from CITY.
- (d) CONTRACTOR shall provide a credit of \$50 for each total solids measurement requested in writing by the CONTRACTOR and performed by the CITY (Wastewater Treatment Department [WWTD] Operations Staff).
- (e) CONTRACTOR shall pay a penalty of \$50 per day per wet ton of biosolids stored outside on dry days.
- (f) CONTRACTOR shall pay a penalty of \$100 per day per wet ton of biosolids stored outside on wet days. Wet days are days where one-eighth of an inch of rain fell according to the KC downtown airport rain gauge.
- (g) Each truckload of improperly stored biosolids will be weighed on a truck scale at the CONTRACTOR's expense to determine appropriate tonnage for penalties.

Sec. 4. Effective Date of Contract.

- (a) Notwithstanding Section 2 of this Contract, neither party has any obligation under this Contract until the Deputy Director of KC Water Services issues a Purchase Order which shall be signed by the City's Director of Finance certifying there is a balance, otherwise unencumbered, to the credit of the appropriation to which the expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment will be made, each sufficient to meet the obligation incurred in the Purchase Order.
- (b) The date of the first Purchase Order issued by the CITY is the effective date of this Contract.

- (c) The date of the first Purchase Order issued by the CITY after the CITY renews this Contract shall be the effective date of the renewal term or transition term.

Sec. 5. Invoices.

- (a) CONTRACTOR shall submit to CITY a request for payment (hereinafter "Invoice") for services performed in sufficient detail for the CITY to determine that the amount CONTRACTOR is requesting is in fact due and payable.
- (b) CITY shall not pay any Invoice from CONTRACTOR unless CONTRACTOR is in compliance with, and not in breach or default of, all terms, covenants and conditions of this Contract. If damages are sustained by CITY as a result of breach or default by CONTRACTOR, CITY may withhold payment(s) to CONTRACTOR for the purpose of set off until such time as the exact amount of damages due to CITY from CONTRACTOR may be determined.
- (c) CITY shall not process CONTRACTOR's Invoice unless CONTRACTOR's Invoice is in proper form, correctly computed, and is approved by CITY as payable under the terms of this Contract.
- (d) CITY is not liable for any obligation incurred by CONTRACTOR except as approved under the provisions of this Contract.
- (e) If CONTRACTOR is required to meet minority and women's business enterprises (M/WBE) goals for this Contract, CONTRACTOR shall not submit an Invoice to the City unless CONTRACTOR's Invoice is accompanied by a copy of the most recent 00485.01 M/WBE Monthly Utilization Report submitted by CONTRACTOR to the City's Human Relations Department. CONTRACTOR shall remain current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports. CITY shall not pay CONTRACTOR's Invoice unless CONTRACTOR is current on CONTRACTOR's filing of 00485.01 M/WBE Monthly Utilization Reports.

Sec. 6. Representations and Warranties of Contractor. CONTRACTOR hereby represents and warrants to the CITY the following:

- (a) CONTRACTOR is in good standing under the laws of the State of Missouri and each state in which it does business, except any such state where the failure to be in good standing would not have a material adverse effect on CONTRACTOR's ability to perform this Contract in accordance with its terms.
- (b) The execution, delivery and performance by CONTRACTOR of this Contract have been duly authorized by all necessary corporate action and do not and will not (i) require any consent or approval of CONTRACTOR's board of directors; (ii) require any authorization, consent or approval by, or registration, declaration or filing with, or notice to, any governmental department, commission, board, bureau, agency or instrumentality, or any third party, except such authorization, consent, approval, registration, declaration, filing or notice as has been obtained prior to the date hereof; (iii) violate any provision of any law, rule or regulation or of any order, writ, injunction or decree presently in effect having applicability

to CONTRACTOR or its articles or by-laws; and (iv) result in a breach of or constitute a default under any material agreement, lease or instrument to which CONTRACTOR is a party or by which it or its properties may be bound or affected.

- (c) CONTRACTOR shall not enter into any contract for the services to CITY that purports to grant a security interest or right of repossession to any person or entity respecting the services, or any portions thereof or chattels placed thereon.
- (d) There is no litigation, proceeding or other investigation pending or, to the knowledge of CONTRACTOR, threatened against CONTRACTOR which would prevent consummation of the transaction contemplated by this Contract or would have a materially adverse effect on CONTRACTOR.

Sec. 7. Survival of the Representations, Warranties and Covenants. All representations, warranties and covenants expressed herein shall survive the execution of this Contract for the benefit of the parties hereto.

Sec. 8. Governing Law. This Contract shall be construed and governed in accordance with the laws of the State of Missouri without giving effect to Missouri's choice of law provisions. The CITY and CONTRACTOR: (1) submit to the jurisdiction of the state and federal courts located in Jackson County, Missouri; (2) waive any and all objections to jurisdiction and venue; and (3) will not raise forum *non conveniens* as an objection to the location of any litigation.

Sec. 9. Termination for Convenience. CITY may, no sooner than fifteen days prior to the completion of the Contract Year 2, at any time upon fifteen days written notice to CONTRACTOR specifying the effective date of termination, terminate this contract, in whole or part.

Sec. 10. Default and Remedies.

- (a) If CONTRACTOR shall be in default or breach of any provision of this Contract, CITY may terminate this Contract, suspend CITY's performance, withhold payment, or invoke any other legal or equitable remedy after giving CONTRACTOR ten (10) days written notice and opportunity to cure such default or breach.
- (b) If CITY shall be in default or breach of any provision of this Contract, CONTRACTOR may terminate this Contract or suspend CONTRACTOR's performance after giving CITY ten (10) days written notice and opportunity to cure such default or breach.

Sec. 11. Waiver. Waiver by CITY of any term, covenant, or condition hereof shall not operate as a waiver of any subsequent breach of the same or of any other term, covenant or condition. No term, covenant, or condition of this Contract can be waived except by written consent of CITY, and forbearance or indulgence by CITY in any regard whatsoever shall not constitute a waiver of same to be performed by CONTRACTOR to which the same may apply and, until complete performance by CONTRACTOR of the term, covenant or condition, CITY shall be entitled to invoke any remedy available to it under this Contract or by law despite any such forbearance or indulgence.

Sec. 12. Acceptance. No payment made under this Contract shall be proof of satisfactory performance

of the Contract, either wholly or in part, and no payment shall be construed as acceptance of deficient or unsatisfactory services.

Sec. 13. Records.

(a) For purposes of this Section:

1. "CITY" shall mean the City Auditor, the City's Internal Auditor, the City's Director of Human Relations, the City Manager, the City department administering this Contract and their delegates and agents.
2. "Record" shall mean any document, book, paper, photograph, map, sound recordings or other material, regardless of physical form or characteristics, made or received in connection with this Contract and all Contract amendments and renewals.

(b) CONTRACTOR shall maintain and retain all Records for a term of five (5) years that shall begin after the expiration or termination of this Contract and all Contract amendments. CITY shall have a right to examine or audit all Records, and CONTRACTOR shall provide access to CITY of all Records upon ten (10) days written notice from the CITY.

(c) The books, documents and records of CONTRACTOR in connection with this Contract shall be made available to the City Auditor, the City's Internal Auditor, the City's Director of Human Relations and the City department administering this Contract within ten (10) days after the written request is made.

Sec. 14. Contract Information Management System. Contractor shall comply with City's Contract Information Management System requirements. Contractor shall use City's Internet web based Contract Information Management System/Project Management Communications Tool provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all personnel, subcontractors or suppliers as applicable.

Sec. 15. Affirmative Action. If this Contract exceeds \$300,000.00 and CONTRACTOR employs fifty (50) or more people, CONTRACTOR shall comply with City's Affirmative Action requirements in accordance with the provisions of Chapter 38 of City's Code, the rules and regulations relating to those sections, and any additions or amendments thereto; in executing any Contract subject to said provisions, CONTRACTOR warrants that it has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the Contract. CONTRACTOR shall not discriminate against any employee or applicant for employment because of race; color, sex, religion, national origin or ancestry, disability, sexual orientation, gender identity or age in a manner prohibited by Chapter 38 of City's Code. CONTRACTOR shall:

- (a) Submit, in print or electronic format, a copy of CONTRACTOR'S current certificate of compliance to the City's Human Relations Department (HRD) prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years. If, and only if, CONTRACTOR does not possess a current certification of compliance, CONTRACTOR shall submit, in print or

electronic format, a copy of its affirmative action program to HRD prior to receiving the first payment under the Contract, unless a copy has already been submitted to HRD at any point within the previous two (2) calendar years.

- (b) Require any Subcontractor awarded a subcontract exceeding \$300,000.00 to affirm that Subcontractor has an affirmative action program in place and will maintain the affirmative action program in place for the duration of the subcontract.
- (c) Obtain from any Subcontractor awarded a subcontract exceeding \$300,000.00 a copy of the Subcontractor's current certificate of compliance and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed. If, and only if, Subcontractor does not possess a current certificate of compliance, CONTRACTOR shall obtain a copy of the Subcontractor's affirmative action program and tender a copy of the same, in print or electronic format, to HRD within thirty (30) days from the date the subcontract is executed.

CITY has the right to take action as directed by CITY'S Human Relations Department to enforce this provision. If CONTRACTOR fails, refuses or neglects to comply with the provisions of Chapter 38 of CITY's Code, then such failure shall be deemed a total breach of this Contract and this Contract may be terminated, cancelled or suspended, in whole or in part, and CONTRACTOR may be declared ineligible for any further contracts funded by CITY for a period of one (1) year. This is a material term of this Contract.

Sec. 16. Tax Compliance. If the CITY's payments to CONTRACTOR exceed \$160,000.01 for the period of May 1st through April 30th, CONTRACTOR shall provide proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a precondition to the CITY making the first payment under this Contract. CONTRACTOR also shall submit to the CITY proof of compliance with the CITY's tax ordinances administered by the CITY's Commissioner of Revenue as a condition precedent to the CITY making final payment under the Contract.

Sec. 17. Buy American Preference. It is the policy of the CITY that any manufactured goods or commodities used or supplied in the performance of any CITY Contract or any subcontract thereto shall be manufactured or produced in the United States whenever possible.

Sec. 18. Service of Process. In addition to the methods of service allowed by the State of Missouri, CONTRACTOR hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be completed upon CONTRACTOR's actual receipt of process or upon the CITY's receipt of the return thereof by the United States Postal Service as refused or undeliverable. CONTRACTOR must promptly notify the CITY, in writing, of each and every change of address to which service of process can be made. Service by the CITY to the last known address shall be sufficient. CONTRACTOR will have thirty (30) calendar days after service hereunder is complete in which to respond.

Sec. 19. Notices. All notices to be given hereunder shall be in writing and may be given, served, or made by depositing the same in the United States mail addressed to the party to be notified, postpaid and registered or certified with return receipt requested or by delivering the same in person to such person. Notice deposited in the mail in accordance with the provisions hereof shall be effective unless otherwise stated in such notice or in this Contract from and after the second day next following the date

postmarked on the envelope containing such notice. Notice given in any other manner shall be effective only if and when received by the party to be notified. All notices shall be sent to the following addresses:

If to the CITY: City of Kansas City, Missouri
Contract Administration Division
4800 East 63rd Street,
Kansas City, MO 130
Attention: Leona Walton, Contracts Manager
Telephone: (816) 513-0220

With copies to: Mark P. Jones
Assistant City Attorney
Law Department of Kansas City, Missouri
414 East 12th Street, 28th Floor
Kansas City, Missouri 64106
Telephone: (816) 513-0381

If the CONTRACTOR: (INSERT Name and Complete Address)

Sec. 20. General Indemnification.

(a) For purposes of this Section only, the following items shall have the meanings listed:

1. Claims means all claims, damages, liability, losses, costs and expenses, court costs and reasonable attorneys' fees, including attorneys' fees incurred by the CITY in the enforcement of this indemnity obligation.
2. CONTRACTOR's Agents means CONTRACTOR's officers, employees, subcontractors, successors, assigns, invitees, and other agents.
3. CITY means CITY, its Agencies, its agents, officials, officers and employees.

(b) CONTRACTOR's obligations under this Section with respect to indemnification for acts or omissions, including negligence, of CITY, shall be limited to the coverage and limits of insurance that CONTRACTOR is required to procure and maintain under this Contract. CONTRACTOR affirms that it has had the opportunity to recover all costs of the insurance requirements imposed by this Contract in its contract price.

(c) CONTRACTOR shall defend, indemnify and hold harmless CITY from and against all claims arising out of or resulting from all acts or omissions in connection with this Contract caused in whole or in part by CONTRACTOR or CONTRACTOR's Agents, regardless of whether or not caused in part by any act or omission, including negligence, of CITY. CONTRACTOR is not obligated under this Section to indemnify CITY for the sole negligence of CITY.

(d) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental

immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 21. Indemnification for Professional Negligence. If this Contract is for professional services, CONTRACTOR shall indemnify, and hold harmless CITY and any of its agencies, officials, officers, or employees from and against all claims, damages, liability, losses, costs, and expenses, including reasonable attorneys' fees, arising out of any negligent acts or omissions in connection with this Contract, caused by CONTRACTOR, its employees, agents, subcontractors, or caused by others for whom CONTRACTOR is liable in the performance of professional services under this Contract. CONTRACTOR is not obligated under this Section to indemnify CITY for the negligent acts of CITY or any of its agencies, officials, officers, or employees.

Sec. 22. Insurance.

- (a) CONTRACTOR shall procure and maintain in effect throughout the term of this Contract insurance policies with coverage not less than the types and amounts specified in this Section. CONTRACTOR must have:
1. Commercial General Liability Insurance Policy: with combined single limit of \$2,000,000 per occurrence and \$2,000,000 general aggregate, written on an "occurrence" basis. The policy shall be written or endorsed to include the following provisions:
 - a. Severability of Interests Coverage applying to Additional Insureds
 - b. Contractual Liability
 - c. Per Project Aggregate Liability Limit or, where not available, the aggregate limit shall be \$2,000,000
 - d. No contractual Liability Limitation Endorsement
 - e. Personal Injury Liability
 - f. Completed Operations and Products Liability
 - g. Damage to Underground Property Liability
 - h. Additional Insured Endorsement, ISO form CG20 10, current edition, or its equivalent. The insurer's costs of provided the insureds a defense and appeal as additional insureds, including attorney's fees, shall be supplementary and shall not be included as part of the policy limits but shall remain the insurer's separate responsibility.
 2. Workers' Compensation Insurance and Employers Liability Policies as required by Missouri law (not less than \$1,000,000 each occurrence).
 3. Commercial Automobile Liability Insurance Policy: not less than \$2,000,000 per occurrence, covering owned, hired, and non-owned automobiles. The Policy shall provide coverage on an "any auto" basis and on an "occurrence" basis. This insurance policy will be written on a Commercial Business Auto form, or acceptable equivalent, and will protect against claims arising out of the operation of motor vehicles, as to acts done in connection with the Contract, by CONTRACTOR.
 4. If this Contract is for professional services, CONTRACTOR shall obtain Professional Liability Insurance with limits per claim and annual aggregate of \$2,000,000.

- (b) All insurance policies required in this Section shall provide that the policy will not be cancelled until after the Insurer provides the CITY ten (10) days written notice of cancellation in the event that the cancellation is for CONTRACTOR's nonpayment of premiums and thirty (30) days written notice of cancellation to CITY for all other reasons.
- (c) The Commercial General and Automobile Liability Insurance Policies specified above shall provide that CITY and its agencies, agents, officials, officers, and employees, while acting within the scope of their authority, will be named as additional insureds for the services performed under this Contract. CONTRACTOR shall provide to CITY at execution of this Contract a certificate of insurance showing all required endorsements and additional insureds.
- (d) All insurance policies must be provided by Insurance Companies that have an A.M. Best's rating of A-, V or better, and are licensed or approved by the State of Missouri to provide insurance in Missouri.
- (e) Regardless of any approval by CITY, CONTRACTOR shall maintain the required insurance coverage in force at all times during the term of this Contract. CONTRACTOR's failure to maintain the required insurance coverage will not relieve CONTRACTOR of its contractual obligation to indemnify the CITY pursuant to this Section of this Contract. In the event CONTRACTOR fails to maintain the required insurance coverage in effect, CITY may declare CONTRACTOR in default.
- (f) In no event shall the language in this Section constitute or be construed as a waiver or limitation of the CITY's rights or defenses with regard to sovereign immunity, governmental immunity, or other official immunities and protections as provided by the federal and state constitutions or by law.

Sec. 23. Bonds and Surety. Contractor shall furnish a Payment Bond and Performance and Maintenance Payment Bond, to City on City furnished forms, executed by a Surety, in the amount of this Contract guaranteeing Contractor's faithful performance of each and every term of this Contract and all authorized changes thereto, including those terms under which Contractor agrees to pay legally required wage rates including the prevailing hourly rate of wages in the locality, as determined by the Department of Labor and Industrial Relations or by final judicial determination, for each craft or type of worker required to perform under this Contract; guaranteeing the payment of all obligations as provided in Section 107.170 RSMo.; and guaranteeing the services and work against faulty workmanship and faulty materials.

- a. All Bonds and insurance required by the Contract Documents to be purchased and maintained by Contractor shall be obtained from surety or insurance companies that are duly licensed in the State of Missouri and in the jurisdiction in which the Project is located, if not in Missouri, to issue Bonds or insurance policies for the limits and coverages so required. All surety and insurance companies shall hold an A.M. Best rating of A-, V, or better.

NOTE: If effective date of bonds needs to be extended for a period longer than one year, make that change in the following paragraph. Be certain to delete this note and select the appropriate type of bond if any in the section below.

- b. These Bonds shall remain in effect at least one (1) year after the date when final payment becomes due, except as provided otherwise by Laws or Regulations or by the Contract Documents.
- c. If the surety on any Bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirement of Paragraph 5.01 B, Contractor shall within twenty (20) days thereafter substitute another Bond and surety, both of which must be acceptable to City.

Sec. 24. Prevailing Wage.

- a. Prevailing Wage.
 - i. Contractor shall comply and require its Subcontractors to comply with;
 - 1. Sections 290.210 to 290.340, RSMo the State of Missouri Prevailing Wage Law (the "Law"); and
 - 2. 8 CSR 30-3.010 to 8 CSR 30-3.060, the Prevailing Wage Law Rules (the "Rules"); and
 - 3. the Annual Wage Order (Wage Order) issued by the State of Missouri's Department of Labor and Industrial Relations; and
 - 4. any applicable Annual Incremental Wage Increase (Wage Increase) to the Annual Wage Order.
 - ii. The Law, Rules, Wage Order and any Wage Increase are incorporated into and made part hereof this Contract and shall be collectively referred to in this Section as the "Prevailing Wage Requirements." In the event this Contract is renewed for an additional term, the Wage Order in effect as of the commencement date of the additional term, as amended by any applicable Wage Increase, shall be deemed incorporated herein and shall apply to and remain in effect for the duration of the additional term. The new Wage Order and any applicable Wage Increase shall govern notwithstanding the fact that the Wage Order being replaced might be physically attached to this Contract.
 - iii. Contractor shall pay and require its Subcontractors to pay to all workers performing work under this Contract not less than the prevailing hourly rate of wages for the class or type of work performed by the worker in accordance with the Law, Rules, Wage Order and any applicable Wage Increase. Contractor shall take whatever steps are necessary to insure that the prevailing hourly wage rates are paid and that all workers for Contractor and each of its Subcontractors are paid for the class or type of work performed by the worker in accordance with the Prevailing Wage Requirements provided in Attachment 8. The work type for this project is "Building".
 - iv. Prior to each of its Subcontractors beginning Work on the Site, Contractor shall require each Subcontractor to complete City's Form 00490 entitled "Pre-contract Certification" that sets forth the Subcontractor's prevailing

wage and tax compliance history for the two (2) years prior to the bid. Contractor shall retain one (1) year and make the Pre-contract Certifications available to City within five (5) days after written request.

- v. Contractor shall keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's:
 - 1. Keep and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to keep full and accurate records on City's "Daily Labor Force Report" Form indicating the worker's name, occupational title or classification group and skill and the workers' hours. City shall furnish blank copies of the Daily Labor Force Report Form to Contractor for its use and for distribution to Subcontractors. Contractor shall submit its and its Subcontractors Daily Labor Force Reports to City each day; and
 - 2. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in a format prescribed by the City, Certified Payroll Report Information indicating the worker's name, address, social security number, occupation(s), craft(s) of every worker employed in connection with the public work together with the number of hours worked by each worker and the actual wages paid in connection with the Project and other pertinent information as requested by the City; and
 - 3. Submit, and require each of its Subcontractors engaged in the construction of public works in performance of the Contract to submit, electronically, in format prescribed by the City, a Payroll Certification. The Payroll Certification must be signed by the employee or agent who pays or supervises the payment of the workers employed under the Contract for the Contractor and each Subcontractor.
 - 4. The Daily Labor Force Report, documents used to compile information for the Certified Payroll Report, and Payroll Certification are collectively referred to in this Section as the "Records."
- vi. Contractor shall make all of Contractor's and Subcontractors' Records open to inspection by any authorized representatives of City and the Missouri Department of Labor and Industrial Relations at any reasonable time and as often as they may be necessary and such Records shall not be destroyed or removed from the State of Missouri for a period of one (1) year following the completion of the public work in connection with which the Records are made. Contractor shall have its and its Subcontractors Certified Payroll Reports and Payroll Certifications available at the Contractor's office and shall provide the Records to the City electronically at City's sole discretion. In addition, all Records shall be considered a public record and Contractor shall provide the Records to the City in the format required by the City

within three (3) working days of any request by City at the Contractor's cost. City, in its sole discretion, may require Contractor to send any of the Records directly to the person who requested the Record at Contractor's expense.

- vii. Contractor shall post and keep posted a clearly legible statement of all prevailing hourly wage rates to be paid to all workers employed by Contractor and each of its Subcontractors in the performance of this Contract in a prominent and easily accessible place at the Site of the Work by all workers.
- viii. If the Contract Price exceeds \$250,000.00, Contractor shall and shall require each Subcontractor engaged in any construction of public works to have its name, acceptable abbreviation or recognizable logo and the name of the city and state of the mailing address of the principal office of the company, on each motor vehicle and motorized self-propelled piece of equipment which is used in connection with the Project during the time the Contractor or Subcontractor is engaged on the project. The sign shall be legible from a distance of twenty (20') feet, but the size of the lettering need not be larger than two (2") inches. In cases where equipment is leased or where affixing a legible sign to the equipment is impractical, the Contractor may place a temporary stationary sign, with the information required pursuant to this section, at the main entrance of the Project in place of affixing the required information on the equipment so long as such sign is not in violation of any state or federal statute, rule or regulation. Motor vehicles which are required to have similar information affixed thereto pursuant to requirements of a regulatory agency of the state or federal government are exempt from the provisions of this subsection.
- ix. Contractor must correct any errors in Contractor's or any Subcontractors' Records, or Contractor's or any Subcontractors' violations of the Law, Rules, Annual Wage Order and any Wage Increase within fourteen (14) calendar days after notice from City.
- x. Contractor shall and shall require its Subcontractors to cooperate with the City and the Department of Labor and Industrial Relations in the enforcement of this Section, the Law, Rules, Annual Wage Order and any Wage Increase. Contractor shall and shall require its Subcontractors to permit City and the Department of Labor and Industrial Relations to interview any and all workers during working hours on the Project at Contractor's sole cost and expense.
- xi. Contractor shall file with City, upon completion of the Project and prior to final payment therefore, affidavits from Contractor and each of its Subcontractors, stating that each has fully complied with the provisions and requirements of the Missouri Prevailing Wage Law. City shall not make final payment until the affidavits, in proper form and order, from Contractor and each of its Subcontractors, are filed by Contractor.
- xii. Contractor shall forfeit as a statutory penalty to the City one hundred dollars (\$100.00) for each worker employed, for each calendar day, or

portion thereof, such worker is paid less than the prevailing hourly rates for any work done under this Contract, by Contractor or by any of Contractor's Subcontractors. If Contractor or any of its Subcontractors have violated any section(s) of 290.210 to 290.340, RSMo, in the course of the execution of the Contract, City shall when making payments to the Contractor becoming due under this Contract, withhold and retain therefrom all sums and amounts due and owing as a result of any violation of sections 290.210 to 290.340, RSMo.

- b. Prevailing Wage Damages. Contractor acknowledges and agrees that, based on the experience of City, violations of the Missouri Prevailing Wage Act, whether by Contractor or its Subcontractors, commonly result in additional costs to City. Contractor agrees that additional costs to City for any particular violation are difficult to establish and include but are not limited to: costs of construction delays, additional work for City, additional interest expenses, investigations, and the cost of establishing and maintaining a special division working under the City Manager to monitor prevailing wage compliance.
 - i. In the event of the failure by Contractor or any of its Subcontractors to pay wages as provided in the Missouri Prevailing Wage Act, City shall be entitled to deduct from the Contract Price, and shall retain as liquidated damages, one hundred dollars (\$100.00) per day, per worker who is paid less than the prevailing hourly rate of wages, to approximate the additional costs. The sum shall be deducted, paid or owed whether or not the Contract Times have expired.
 - ii. City shall give written notice to Contractor setting forth the workers who have been underpaid, the amount of the statutory penalty and the amount of the liquidated damages as provided for in this Subparagraph. Contractor shall have fourteen (14) calendar days to respond, which time may be extended by City upon written request. If Contractor fails to respond within the specified time, the City's original notice shall be deemed final. If Contractor responds to City's notice, City will furnish Contractor a final decision in writing within five (5) days of completing any investigation.

Sec. 25. Interpretation of the Contract.

- (a) CITY selected CONTRACTOR through a negotiated procurement process rather than an Invitation for Bids (IFB) solicitation. Unlike the IFB, this process allows the CITY and CONTRACTOR to discuss and negotiate a contract at arm's length prior to entering a final contract that is acceptable to both the CITY and the CONTRACTOR. After negotiation and discussion, CONTRACTOR and CITY have incorporated multiple documents into this Agreement and the meaning of some of the words used in the Agreement may be uncertain, incomplete or duplicative and the Agreement may promise something at one place and take that promise away at another. In sum, the Agreement may contain words and provisions that are susceptible of more than one meaning so that reasonable persons of average intelligence may fairly and honestly differ in their construction of the words and provisions. It is the intent of the CITY and the CONTRACTOR that the CITY's taxpayers receive the benefit or advantage in the construction and interpretation of this Agreement, regardless of

the normal judicial rules of contract construction even if the construction and interpretation of the Agreement will cost the CONTRACTOR more money and time. CITY and CONTRACTOR agree that CITY's Deputy Director of KC Water Services shall resolve all disagreements as to the meaning of this Agreement or any ambiguity in this Agreement, in favor of the CITY and its taxpayers even if it will cost the CONTRACTOR more money and time. The decision of CITY's Deputy Director of KC Water shall be final and conclusive if the Deputy Director of KC Water Services acted in good faith.

- (b) CONTRACTOR acknowledges and agrees that the CITY has provided CONTRACTOR with an opportunity to have CONTRACTOR's attorney review and advise CONTRACTOR on the Agreement and any potential ambiguities or areas of disagreement and the potential adverse legal consequences of CONTRACTOR agreeing to this Section as well as the entire Agreement. CONTRACTOR certifies that CONTRACTOR has provided the CITY written notice of all ambiguities, conflicts, errors or discrepancies that it has discovered in the Agreement and the written resolution thereof by the CITY as embodied in this final Agreement is acceptable to CONTRACTOR.
- (c) CONTRACTOR certifies that CONTRACTOR has either (1) waived its right to have CONTRACTOR's attorney review this Section and Agreement; or (2) CONTRACTOR has consulted with an attorney on this Section and Agreement.
- (d) CONTRACTOR knowingly and voluntarily agrees to this Section and the entire Agreement. CONTRACTOR certifies that this contract was not procured by fraud, duress or undue influence.

Sec. 26. Contract Execution. This Contract may be executed in one or more counterparts, each of which will be deemed an original copy of this Contract and all of which, when taken together, will be deemed to constitute one and the same Contract. This Contract shall be effective upon the execution of counterparts by both parties, notwithstanding that both parties may not sign the same counterpart. The parties' signatures transmitted by facsimile or by other electronic means shall be proof of the execution of this Contract and shall be acceptable in a court of law.

Sec. 27. Guaranteed Lowest Pricing. CONTRACTOR certifies that this Contract contains CONTRACTOR's lowest and best pricing for all services supplied by CONTRACTOR to any government, governmental entity, political subdivision, city, state, school district or any other public entity in the United States as of the date of this Contract.

Sec. 28. Assignability and Subcontracting.

- (a) Assignability. CONTRACTOR shall not assign or transfer any part or all of CONTRACTOR's obligation or interest in this Contract without prior written approval of CITY. If CONTRACTOR shall assign or transfer any of its obligations or interests under this Contract without the CITY's prior written approval, it shall constitute a material breach of this Contract. This provision shall not prohibit CONTRACTOR from subcontracting as otherwise provided for herein.
- (b) Subcontracting. CONTRACTOR shall not subcontract any part or all of CONTRACTOR's obligations or interests in this Contract unless the subcontractor has been identified in a

format required by CITY. If CONTRACTOR shall subcontract any part of CONTRACTOR's obligations or interests under this Contract without having identified the subcontractor, it shall constitute a material breach of this Contract. The utilization of subcontractors shall not relieve CONTRACTOR of any of its responsibilities under the Contract, and CONTRACTOR shall remain responsible to CITY for the negligent acts, errors, omissions or neglect of any subcontractor and of such subcontractor's officers, agents and employees. CITY shall have the right to reject, at any point during the term of this Contract, any subcontractor identified by CONTRACTOR, and to require that any subcontractor cease working under this Contract. CITY's right shall be exercisable in its sole and subjective discretion. CITY shall not be obligated to pay or be liable for payment of any monies which may be due to any subcontractor. CONTRACTOR shall include in any subcontract a requirement that the subcontractor comply with all requirements of this Contract in performing CONTRACTOR's services hereunder.

- (c) CONTRACTOR shall not employ or retain any Subcontractor, Supplier or other person or organization (including those acceptable to CITY as indicated in Paragraph 6.07 B), whether initially or as a substitute, against whom CITY has a reasonable objection, including but not limited to debarment by City or another governmental entity or decertification of the Subcontractor from the City's Minority and Women's Business Enterprise Program as a result of the Subcontractor's failure to comply with any of the requirements of the provisions of Chapter 3 of the City's Code as determined by the Director of the Human Relations Department. Contractor shall insert this provision in any subcontractor agreement associated with this Contract. CONTRACTOR shall not be required to employ any Subcontractor, Supplier or other person or organization to furnish or perform any of the Work against whom CONTRACTOR has reasonable objection. CONTRACTOR shall submit required information for all Subcontractors on Form 01290.09 - Subcontractor and Major Material Suppliers List, provided in these Contract Documents, prior to Subcontractor beginning Work at the Site.
- (d) CONTRACTOR shall provide the identity of certain Subcontractors, Suppliers or other persons or organizations (including those who are to furnish the principal items of materials or equipment) to be submitted to CITY on or before the date specified in the Supplementary Conditions, for acceptance by CITY. If CONTRACTOR has submitted a list thereof in accordance with the Supplementary Conditions, CITY may accept (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Contract Documents) any such Subcontractor, Supplier or other person or organization so identified, or may reject same on the basis of reasonable objection after due investigation, in which case CONTRACTOR shall submit an acceptable replacement for the rejected Subcontractor, Supplier or other person or organization. The Contract Price will be adjusted by the difference in the cost occasioned by such substitution, and an appropriate Change Order will be issued or Written Amendment signed. No acceptance by CITY of any such Subcontractor, Supplier or other person or organization shall constitute a waiver of any right of CITY to reject defective Work.
- (e) CONTRACTOR shall be fully responsible to CITY for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions. Nothing in the Contract Documents

shall create for the benefit of any such Subcontractor, Supplier or other person or organization any contractual relationship between CITY or DESIGN PROFESSIONAL and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of CITY or DESIGN PROFESSIONAL to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Laws or Regulations.

- (f) CONTRACTOR shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR.
- (g) CONTRACTOR shall contractually require all Subcontractors, Suppliers and such other persons and organizations performing or furnishing any of the Work to communicate with CITY and DESIGN PROFESSIONAL through CONTRACTOR.
- (h) The divisions and sections of the Specifications and the identifications of any Drawings shall not control CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- (i) All Work performed for CONTRACTOR by a Subcontractor or Supplier shall be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor or Supplier that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of CITY. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the CONTRACTOR and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against CITY, CONTRACTOR, DESIGN PROFESSIONAL, Consultants and all other additional insureds for all losses and damages caused by, arising out of or resulting from any perils, to the extent covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, CONTRACTOR will obtain the same.
- (j) Except as otherwise provided in this Section, the agreement between CONTRACTOR and the Subcontractor or Supplier, shall provide that the CONTRACTOR and the Subcontractor or Supplier agree not to request CITY or CITY's Representative to intervene in or facilitate the resolution of claims or contract disputes arising out of or related to the agreement between CONTRACTOR and the Subcontractor or Supplier. Furthermore, the Contracts between CONTRACTOR and Subcontractors or Suppliers shall provide that all unresolved claims and disputes between CONTRACTOR and the Subcontractor or Supplier that remain unresolved after thirty (30) calendar days from the notice of claim, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. Any such mediation shall be conducted in accordance with the CITY's Code Section 3-467.
- (k) CONTRACTOR shall not insert any provision in any subcontractor agreement associated with this Contract that explicitly states or implies that the subcontractor shall only be paid for work performed if or when the general CONTRACTOR is paid by the CITY . Contractor's compliance with this provision is a material term of this Contract.
- (l) CONTRACTORS shall not deny any Subcontractor subcontracting opportunities solely because the Subcontractor is not a signatory to collective bargaining agreements with organized labor.

Sec. 29. Professional Services. Conflict of Interest Certification. If this Contract is for professional services other than for medical doctors or appraisers, CONTRACTOR certifies that CONTRACTOR is not an expert witness for any party in litigation against the CITY at the time of the issuance of this Contract.

Sec. 30. Intellectual Property Rights. CONTRACTOR agrees, on its behalf and on behalf of its employees and agents, that it will promptly communicate and disclose to CITY all computer programs, documentation, software and other copyrightable works ("copyrightable works") conceived, reduced to practice or made by CONTRACTOR or its agents, whether solely or jointly with others, during the term of this Contract resulting from or related to any work CONTRACTOR or its agents may do on behalf of CITY or at its request. All inventions and copyrightable works that CONTRACTOR is obligated to disclose shall be and remain entirely the property of CITY. It is agreed that all inventions and copyrightable works are works made for hire and shall be the exclusive property of CITY. CONTRACTOR hereby assigns to CITY any rights it may have in such copyrightable works. CONTRACTOR shall cooperate with CITY in obtaining any copyrights or patents.

Sec. 31. Minority and Women's Business Enterprises. CITY is committed to ensuring that M/WBE participate to the maximum extent possible in the performance of CITY contracts. M/WBE participation goals have been set for this Contract at 1.0 % MBE and 1.0% WBE. CONTRACTOR agrees to comply with all requirements of City's Minority and Women's Business Enterprise Program as enacted in CITY'S Code Sections 38-84 through 38-100.8 and as hereinafter amended. CONTRACTOR shall make its good faith efforts in carrying out this policy by implementing its Contractor Utilization Plan (CUP). If CONTRACTOR fails to achieve the M/WBE goals stated in its CUP, as amended, the CITY will sustain damages, the exact extent of which would be difficult or impossible to ascertain or estimate at the time of execution of this contract. Therefore, in order to liquidate those damages, the monetary difference between the amount of the M/WBE goals set forth in this CONTRACTOR utilization plan, as amended, and the amount actually paid to qualified MBEs and WBEs for performing a commercially useful function will be deducted from the CONTRACTOR'S payments as liquidated damages. In determining the amount actually paid to qualified MBEs and WBEs, no credit will be given for the portion of participation that was not approved by the Director of CITY's Human Relations Division, unless the Director determines that the CONTRACTOR acted in good faith. No deduction for liquidated damages will be made when, for reasons beyond the control of the CONTRACTOR, the M/WBE participation stated in the CUP, as amended and approved by the Director, is not met.

Contractor shall comply with City's MBE/WBE Program Reporting System requirements. Contractor shall use City's Internet web based MBE/WBE Program Reporting System provided by City and protocols included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 32. Workforce. If Contractor is required to pay prevailing wages for the work performed pursuant to this Contract, Contractor agrees to comply with all requirements of City's Construction Employment Program as enacted in City's Code, Sections 3-501 through 3-525 and as hereinafter amended. Contractor shall meet or exceed the construction employment goals unless the same shall have been waived in the manner provided by law. Contractor's compliance with this provision is a material part of this Contract.

Contractor shall comply with City's Workforce Program Reporting System requirements. Contractor shall use City's Internet web based Workforce Program Reporting System provided by City and protocols

included in that software during the term of this Contract. Contractor shall maintain user applications to City's provided system for all applicable personnel and shall require subcontractors to maintain applications.

Sec. 33. Employee Eligibility Verification. CONTRACTOR shall execute and submit an affidavit, in a form prescribed by the CITY, affirming that CONTRACTOR does not knowingly employ any person in connection with the contracted services who does not have the legal right or authorization under federal law to work in the United States as defined in 8 U.S.C. §1324a(h)(3). CONTRACTOR shall attach to the affidavit documentation sufficient to establish CONTRACTOR's enrollment and participation in an electronic verification of work program operated by the United States Department of Homeland Security to verify Information of newly hired employees, under the Immigration and Reform and Control Act of 1986. CONTRACTOR may obtain additional information about E-Verify and enroll at <https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES>. For those CONTRACTORS enrolled in E-Verify, the first and last pages of the E-Verify Memorandum of Understanding that CONTRACTOR will obtain upon successfully enrolling in the program shall constitute sufficient documentation for purposes of complying with this section. CONTRACTOR shall submit the affidavit and attachments to the CITY prior to execution of the contract, or at any point during the term of the contract if requested by the CITY.

Sec.34. Emergencies.

- (a) Disaster means any large scale event such as an act of terrorism, fire, wind, flood, earthquake or other natural or man-made calamity which results in, or has the potential to result in a significant loss of life or property.
- (b) During and after a disaster, CONTRACTOR shall provide special services to the CITY including CONTRACTOR shall open CONTRACTOR's facilities even on nights and weekends as necessary to meet the needs of the City during a disaster.
- (c) CONTRACTOR shall not charge CITY any fee for opening facilities during an emergency or for extending CONTRACTOR'S hours of operation during a disaster. CITY shall pay CONTRACTOR the agreed upon contract prices for all purchases made by CITY during the disaster and CONTRACTOR shall not charge CITY any additional mark-up, fee or cost for any purchases made by CITY during a disaster.
- (d) CONTRACTOR shall quickly mobilize CONTRACTOR's internal and external resources to assist CITY when a disaster unfolds.
- (e) Extended hours and personnel. During disasters, CONTRACTOR's facilities shall stay open 24 hours if requested by the CITY. CONTRACTOR shall utilize additional CONTRACTOR personnel to take CITY orders if necessary. CONTRACTOR's Call Center shall accept phone orders 24 hours a day.
- (f) CONTRACTOR shall have contingency plans with CONTRACTOR's suppliers to provide additional supplies and equipment quickly to CITY as needed.
- (g) CONTRACTOR shall cooperate with CITY to properly document any and all expenses incurred by CITY with CONTRACTOR and CONTRACTOR shall assist CITY in meeting any and all

documentation requirements of the Federal Emergency Management Agency (FEMA).

Sec. 35

Attachments. The following documents are Attachments to this Contract and are attached hereto and incorporated herein by this reference:

Attachment 1 – Contract Bid Form

- 00410.01 Experience Reference Form
- 00412 Unit Price Form
- 00420 Alternates

Attachment 2 – Employee Eligibility Verification Affidavit

Attachment 3 – Cooperative Procurement With Other Jurisdictions Form

Attachment 4 – State of Missouri Department of Natural Resources Missouri State Operation Permit No. MO-0049531

Attachment 5 – Section 445055 Biosolids Handling and Disposal Specification

Attachment 6 - HRD Forms & Instructions

- 00440 HRD 5 Construction Contract HRD Instructions
- 00450 HRD 8 Contractor Utilization Plan/Request for Waiver
- 00450.01 Letter of Intent to Subcontract
- 00460 HRD 10 Timetable for MBE/WBE Utilization
- 00470 HRD 11 Request for Modification or Substitution
- 00485 HRD Monthly Reporting Forms
- Affidavit of Training Program
- HRD Employee Identification Report

Attachment 7 - Bonds

- 00430 Bid Bond
- 00610 Performance and Maintenance Bond
- 00615 Payment Bond

Attachment 8 – 00830 Wage Rate Requirements

- Annual Wage Order 28
 - County – Clay
 - Work Type:
 - State – Building
 - Division of Labor Standards Rules & Regulations
 - 01290.08 Wage Rate Verification Questionnaire
 - 01290.09 Subcontractors and Major Material Suppliers List
 - 01290.11 Daily Labor Force Report
 - 01290.14 Contractor Affidavit for Final Payment
 - 01290.15 Subcontractor Affidavit for Final Payment

Attachment 9 – 00630 Revenue Clearance Release Authorization

Attachment 10 – Application for Payment

Attachment 11 – Pre-Bid Conference Attendance List

Attachment 12 - CREO 14 Affirmative Action Program Affidavit

CONTRACTOR

I hereby certify that I have the authority to execute
this document on behalf of CONTRACTOR.

Contractor: _____

By: _____

Title: _____

Date: _____

KANSAS CITY, MISSOURI

By: _____

Typed or Printed Name: _____

Title: _____

Date: _____

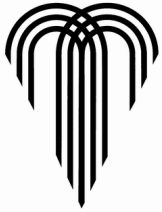
APPROVED AS TO FORM

Assistant City Attorney Date

I hereby certify that there is a balance, otherwise unencumbered, to the credit of the appropriation to which the foregoing expenditure is to be charged, and a cash balance, otherwise unencumbered, in the treasury, to the credit of the fund from which payment is to be made, each sufficient to meet the obligation hereby incurred.

Director of Finance Date

CITY OF FOUNTAINS
HEART OF THE NATION



KANSAS CITY
MISSOURI

ADDENDUM NUMBER #3

Contract/Project Number 1661/60810108

Title/Description Birmingham Land Application Procurement

ISSUE DATE: 7/26/2022

The Bid/Proposal due date for this contract shall be changed to: 2:00 PM, on Tuesday, August 2nd, 2022.