



October 21, 2022

Mr. Thomas T. Ratermann, P.E.
General Manager
Boone County Regional Sewer District
1314 N. Seventh Street
Columbia, MO 65201

Re: Review of Engineering Report and Plans for Brookfield Estates Wastewater Treatment Plant (WWTP)

Dear Mr. Ratermann:

With the completion of our reviews on the Oak Hill low pressure sewer system and the Brookfield Estates Wastewater Treatment Plant in May, HDR is requesting additional fee for performing additional review work as our effort exceeded our original budget.

HDR's original scope of services from our original letter dated August 4, 2021 are listed below.

1. Review and provide written comments on the "Facility Plan for Brookfield Estates WWTP Upgrades" dated June 10, 2021 by Crockett Engineering Consultants.
2. Review and provide written comments on the "Brookfield Estates WWTP Upgrades" dated June 10, 2021.
3. Review the BCRSD Letter to Mr. Jesse Stephens, Crockett Engineering dated October 22, 2020 for conformance of the Facility Plan and drawings to the Letter.

HDR's original estimated hours and fee for the above scope of work is shown in Figure 1. The estimated cost was \$5,990.00.

HDR exceeded the estimated hours of work because additional reviews and meetings were required including structural calculations that were not originally estimated. Below is a summary of the work completed.

- Initial review comment letter on the above documents numbered 1-3 was presented on October 29, 2021.
- Review of Crockett Response to Comments Dated January 31, 2022 with our response letter on March 24, 2022, included structural and electrical review comments.
- Review of Crockett Response to Comments Dated April 11, 2022 with our response letter on April 26, 2022, included electrical and structural review comments.
- Zoom Meeting set up by Elizabeth Megli and Jesse Stephens on April 28, 2022.
- Zoom Meeting with MDNR on May 3, 2022
- Review of Splitter Box and MDNR Comments email May 5, 2022.

hdrinc.com Review of Revised Drawings and Facility Plan dated May 9, 2022.

HDR Engineering, Inc.

10450 Holmes Rd. Suite 600
Kansas City, MO 64131

Phone: (816) 347-1100
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www.hdrinc.com

Mr. Thomas Ratermann

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- Review of MDNR comments emails May 10, 2022.

The additional review work included structural review, and Zoom Meetings not originally estimated, these items resulted in a total cost of \$10,557.50. This amount is \$4,567.50 over the original estimate in Figure 1. A break down of the hours expended is attached as Figure 2.

Sincerely,

A handwritten signature in black ink that reads "Kent Newport". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Kent Newport, P.E.

Project Manager

HDR Engineering, Inc.



**Boone County Regional Sewer District
Scope and Fee**

Staff Name	Coleman	Newport	Boyd	Mynatt	Harkins			
Rate Schedule Code	Senior Project Manager III	Project Manager III	Engineer II	Project Assistant	Project Accountant I			
Billing Rate	\$275.00	\$190.00	\$135.00	\$95.00	\$95.00	HDR Expenses	Subconsultants	Total
TASKS								
A. Task 1 - Draft Review								
1 Review Report	4	2	2					\$1,750
2 Review Plans	2	4	4					\$1,850
3 Prepare Review Comments	2	6	2					\$1,960
4 Project Management		1		1	1	\$50		\$430
Subtotal Hours	8	13	8	1	1			
Subtotal Dollars	\$2,200	\$2,470	\$1,080	\$95	\$95	\$50	\$0	\$5,990
Total Task 1								\$5,990
Total Hours	8	13	8	1	1			31
Total Billing Amount	\$2,200	\$2,470	\$1,080	\$95	\$95	\$50	\$0	\$5,990

Estimated Project Fee \$5,990



**Figure 2 Actual Hours and Final Cost
Brookfield Estates Wastewater Treatment Plant Review
Scope and Fee**

Rate Schedule Code	Coleman, Brandon J	Barton, Bryce S	Newport, Kenton L	Boyd, Thomas K III	Mynatt, Andrea B	Wiseman, David L	Craft, Robert Anthony	HDR Expenses	Total	
	Engineer V	Senior Project Manager I	Project Manager III	Electrical Engineer	Project Assistant	Technical Specialist	Structural Engineer			
Billing Rate	\$225.00	\$210.00	\$190.00	\$135.00	\$95.00	\$280.00	\$150.00			
TASKS										
A. Task 1 - Draft Review										
1	Review Report	1.5	2.0	4.0					\$1,518	
2	Review Plans	1.0	1.0	10.0	9.0		1.0	9.0	\$5,180	
3	Prepare and Submit Review Comments		0.5	10.0		1.5			\$2,148	
4	Project Management			3.0		1.5		50.0	\$763	
5	Meetings			5.0					\$950	
Subtotal Hours		2.5	3.5	32.0	9.0	3.0	1.0	9.0		
Subtotal Dollars		\$562.50	\$735.00	\$6,080.00	\$1,215.00	\$285.00	\$280.00	\$1,350.00	\$50.00	\$10,557.50
Total Task 1										\$10,557.50
Total Hours										
		2.50	3.50	32.00	9.00	3.00	1.00	9.00		60.00
Total Billing Amount										
		\$562.50	\$735.00	\$6,080.00	\$1,215.00	\$285.00	\$280.00	\$1,350.00	\$50.00	\$10,557.50

Project Total \$10,557.50