

Henderson County Schools


1805 Second Street, Henderson, Kentucky 42420

(270) 831-5000 Fax: (270) 831-5009

www.henderson.kyschools.us



TO: Bob Lawson, Superintendent and
School Board Members

From: Chad Thompson, Assistant Superintendent 

Date: April 18, 2022

RE: Architectural Services for Wastewater Treatment Plants

We received two responses to our advertisement for architectural services for the wastewater treatment plants at Spottsville Elementary School, Cairo Elementary School, and Niagara Elementary School. We are recommending RBS Design Group for this project.



Chad Thompson, Assistant Superintendent
Henderson County Board of Education
1805 Second Street
Henderson, KY 42420

April 11, 2022

Dear Mr. Thompson,

RBS Design Group appreciates the opportunity to submit this letter of interest for architectural services for Wastewater Treatment Plants at three Henderson County elementary schools. Our team is more than qualified to deliver the highest standard of work needed to ensure this project for your district is a success. Our team has enjoyed a long-standing partnership with the Henderson County School District and we would be honored to continue working alongside you for these upcoming projects.

RBS Design Group has experience in replacing, as well as designing new wastewater treatment plants. Our firm strives to lead both the owner and entire design team to ensure that the project goals, budget, operations, and schedule are met. For the wastewater treatment plant project for Spottsville, Cairo, and Niagara elementary schools RBS will be teaming up with Bacon Farmer Workman. We understand the importance of energy efficiency and ensures that the owner's goals are met, while working within the budget.

Thank you for allowing RBS the opportunity to present our firm's qualifications for the upcoming Henderson County Schools project. I will follow up with you soon and hope to discuss this in further detail.

Sincerely,

Craig Thomas, AIA
craig@rbsdesigngroup.com
270.683.1158



April 12, 2022

Chad Thompson
Assistant Superintendent, Henderson County Schools
1805 Second Street
Henderson, KY 42420
chad.thompson@henderson.kyschools.us

**Re: Letter of Interest – Architectural Services
Spottsville, Cairo, and Niagara Elementary Schools Wastewater Treatment Plants**

Mr. Thompson:

Thank you for taking the time to talk to me on the phone last week. We understand that the three elementary schools, Spottsville, Cairo, and Niagara, need their wastewater treatment plants evaluated. Following the evaluation, the treatment systems either need to be repaired, upgraded, or replaced. We researched these facilities KPDES permit information with the Department of Environmental Protection and have summarized them in the table below.

	Current Enrollment	Design flow	Actual Flow	Discharge Water Body
Cairo	256	1,200 gal/day	1,200 gal/day	Barrett Ditch to Canoe Creek
Niagara	279	1,400 gal/day	1,100 gal/day	Tributary to East Fork Canoe Creek
Spottsville	541	4,000 gal/day	4,000 gal/day	Race Creek

After reviewing discharge permit information for each school, we find that all three schools have an aeration system followed by a chlorination system with Cairo and Niagara also having filtration. The permit fact sheet's data summary also suggests that the treatment systems are generally doing a good job of meeting effluent carbon (CBOD₅) and solids limits. However, they sometimes struggle to meet winter ammonia limits – especially at Niagara and Cairo – and are generally struggling to meet effluent chlorine limits.

Clark Dietz is experienced in working with school boards and providing full engineering services including evaluation, design, construction review, and troubleshooting for on-site treatment systems such as these. Our biggest advantage is that we do not just want to sell you services or provide a cookie-cutter solution. We want to understand your unique situation, find out what is working well, where are your biggest challenges, and then evaluate whether there are simple improvements to fix any issues before proceeding to larger changes.

Example Evaluation Questions:

- What correspondence have you had with KYDEP about permit exceedances?
- Do you have existing sulfur dioxide systems for dechlorination? Are they operational? If yes, where is it dosed and how is mixing achieved?
- Aside from meeting permit limits, what are the biggest operational challenges at these plants?

We recommend starting with an engineering evaluation of the three schools' treatment systems and needs. We have a history of working with the Henderson Water Utility and can collaborate with them to evaluate if eliminating the wastewater treatment process by connecting to the HWU system is a viable, cost-effective option. The engineering fee for the overall, initial evaluation is \$7,500. The evaluation will be discussed with you and we will then make recommendations in a letter report for the path forward of repair, upgrade, or replacement. Clark Dietz is very interested to bring our experience, commitment, and client-centered approach to providing engineering services to the Henderson County Schools. If you have any questions, please call me at (812) 568-2037.

Sincerely,
Heath A. Titzer, PE, LS
Southern IN / KY Area Manager
Heath.Titzer@ClarkDietz.com

PUBLIC NOTICE OF
REQUEST FOR LETTERS OF INTEREST
FOR
PROFESSIONAL ARCHITECTURAL SERVICES

The Henderson County Board of Education is requesting a one page Letter of Interest for architectural services for Wastewater Treatment Plants at Spottsville Elementary School, Cairo Elementary School, and Niagara Elementary School. Other scope may be added as necessary for completion of the projects at the discretion of the Henderson County Board of Education. Qualified architectural firms shall indicate their interest by submitting a one page Letter of Interest to Chad Thompson, Assistant Superintendent, Henderson County Schools, chad.thompson@henderson.kyschools.us

The Letter of Interest shall be received no later than April 13, 2022 at 10 am (Central Standard Time), at the above address.

Letters received after this date/time will not be accepted. Questions concerning the Letter of Interest, or the project, should be addressed to Chad Thompson, Assistant Superintendent.