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Diana Conrad, Senior Recruiter – Florida Region  
Boyle Engineering Corporation  
320 East South Street  
Orlando, Florida 32801

Dear Ms. Conrad:

As an environmental engineering student particularly interested in wastewater management, I was excited to hear of your plans to hire a new assistant project engineer from Jordan Morris and Rachel Jones. While I currently hold an internship at the Florida Department of Environmental Protection in which I assist in the permitting process of potable water distribution systems and drinking water treatment plants, I want to help design new wastewater treatment systems. I hope that you might find my experience and education an asset as you develop those technologies.

My internship has allowed me to apply the knowledge I have gained while studying environmental engineering at the University of Central Florida. I currently help senior FDEP engineers by explicating state wastewater regulations to area design engineers. One particularly interesting assignment required me to assist the FDEP as it evaluated Florida public water systems that used groundwater sources after the November 8, 2006 changes to the Environmental Protection Agency's Ground Water Rule. I first familiarized myself with federal standards for 4-log compliance tests for total coliform contamination. I then reviewed municipal submittals for the relevant water plant schematics and such data as chlorine residual, lowest temperature, highest pH, and contact time, and then performed the calculations for removal/inactivation of *Giardia lamblia*, which I then checked against the submittals' own calculations for the same figure. If a submittal included the correct figures, I then wrote a letter of acceptance; if not, I then sent a request for additional information or a letter of non-compliance. During this assignment, I came to appreciate the intricacies of applying drinking water regulations to a variety of public water systems and the need for innovative treatment systems. My interests therefore are coming to lie in the area of water treatment systems design, as I grow more interested in new and better ways of treating water.

I believe my skills and experience could be of use to a company such as yours. I would like to contact you before August 31 to check on the processing of my application. If you wish to contact me in the meantime, please do not hesitate to call me at 813.924.4328 or email me at dwbieber@gmail.com. Thank you for your time and consideration.

Sincerely,  
Derek W. Bieber  
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