

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

DEC 15 2014

Mr. Patrick D. Hill, Business Development Manager
Triplepoint Water Technologies, LLC
1140 W. Lake Street, Suite 201
Oak Park IL 60301

RE: Lagoon Effluent Polishing with NitrOx™ Reactor System – Ellington Wastewater Treatment Facility (WWTF), MO-0022896, Pilot Study Approval/Comments/Conditional Approval

Dear Mr. Hill:

On December 5, 2014, the Department of Natural Resources received a pilot study plan (plan) for the Ellington WWTF submitted with an email.

We understand that Triplepoint Water Technologies, LLC is proposing a small scale pilot project of the NitrOx™ Reactor System at the Ellington WWTF to demonstrate the product's effectiveness in reducing ammonia levels. The Ellington WWTF is not currently required to meet ammonia effluent limits but it is anticipating limits with the renewal of their Missouri State Operating Permit (MO-0022896) which expires in March 2015.

The Department encourages the exploration of new technologies for the control of water pollution from treatment facilities to meet Missouri Water Quality Standards. Pursuant 10 CSR 20-6.010 small scale pilot projects are exempt from construction permit requirements if they receive written project approval from the permitting authority.

The Department has completed its review of the NitrOx™ Reactor System at the Ellington WWTF. This letter serves as an approval for the pilot study plan received on December 5, 2014 provided the City of Ellington agrees to allow the pilot project. The plan proposes a testing period of 6 months starting December 15, 2014 and continuing through June 15, 2015.

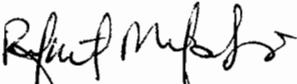
A pilot study will not address all questions or long term effectiveness regarding the NitrOx™ Reactor System and a full demonstration project will be required to determine if there is a reasonable and substantial chance of success. Future demonstration projects will require the submittal of additional data from other projects operating in climates similar to Missouri.

Ellington WWTF
MO0022896, Reynolds County
Page Two

Should you have any questions, please contact Cindy LePage, of the Water Protection Program, by telephone at 573-751-6618, by e-mail at cindy.lepage@dnr.mo.gov, or by mail at Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176. Thank you.

Sincerely,

WATER PROTECTION PROGRAM



Refaat Mefrakis, P.E., Chief
Engineering Section

RM:cln

c: David Stinson, P.E., Schultz Engineering
City of Ellington
Ellington WWTF
Southeast Regional Office