Message

From: Klise, Katherine A [kaklise@sandia.gov]
Sent: 9/24/2018 3:24:50 PM
To: Seth, Arpan [arpan.seth@evonik.com]; Gabe Hackebeil Personal Email / Ex. 6 Haxton, Terra [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e76c9aaa93b24c6c86c32d636aa5303f-Baranowski, Terra]; Murray, Regan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4b06d968152a4cefb83c9864ff5c89c6-Murray, Regan]; Laird, Carl Damon [cdlaird@sandia.gov]
Subject: RE: Booster paper update
Attachments: paper2.pdf

Here is the latest version, formatted for Engineering Optimization. I included two additional references, one on general booster placement for water quality objectives and one that uses MSX in a GA to minimize E coli dose. Please read through the paper and provide feedback.
Kate

From: Klise, Katherine A
Sent: Monday, September 17, 2018 4:04 PM
To: 'Seth, Arpan' <arpan.seth@evonik.com>; Gabe Hackebeil Personal Email / Ex. 6 Haxton, Terra (Haxton.Terra@epa.gov) <Haxton.Terra@epa.gov>; Murray, Regan (Murray.Regan@epa.gov) <Murray.Regan@epa.gov>; Laird, Carl Damon <cdlaird@sandia.gov>
Subject: Booster paper update

Hello co-authors of the "limiting reagent" booster placement paper!

I'd like to resubmit this paper to another journal. I read through the paper today and made a few small edits. I think it's in good shape. The topic is still active (see a list of recent papers below) and our neutralization paper is just a year old. We would certainly need to include some updated references. I believe that we addressed all the JWRPM reviewer comments with the exception of adding MSX into the analysis. Since the paper is so closely aligned with the neutralization paper, I thought I would send this to Engineering Optimization. I'll start reading through the requirements.

Let me know your thoughts on this plan. Also, if you have time to read the paper and provide some feedback, that would be great. The current version is attached.

Thanks!
Kate

- Xin et al, Chlorine-age based booster chlorination optimization in water distribution network considering the uncertainty of residuals, Water Science and Technology: Water Supply, 2018
- Maheshwart et al, Coordinated Decentralization-Based Optimization of Disinfectant Dosing in Large-Scale Water Distribution Networks, Journal of Water Resources Planning and Management, 2018
- Ayvaz et al, Optimum design of the booster chlorination systems by using hybrid HS-Solver optimization approach, Pamukkale Univ Muh Bilim Derg, 24(3), 444-452, 2018
- Nono et al, Integrating booster chlorination and operational interventions in water distribution systems, Hydroinformatics, 2018
- Goyal and Patel, Optimal location and scheduling of booster chlorination stations using EPANET and PSO for drinking water distribution system, HIS Journal of Hydraulic Engineering, 2017

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