To: 'Anurag Mishra'[Anurag.Mishra@respec.com]; 'Sabu Paul'[SPaul@mbakerintl.com]
Cc: 'Tony Donigian'[Tony.Donigian@respec.com]
From: Shaikh, Taimur
Sent: Mon 3/19/2018 4:30:15 PM
Subject: RE: EXTERNAL: RE: IL River TMDL Scenario

Hi Anurag,
What are the NUT-BEDCONC parameters set to? What were they?
Thanks.
Taim.
Taimur A. Shaikh, Ph.D.
Assessment, Listing, and TMDL Section (6WQ-PT)
Water Division | EPA Region 6

From: Anurag Mishra [mailto:Anurag.Mishra@respec.com]
Sent: Monday, March 19, 2018 10:15 AM
To: Sabu Paul
Cc: Shaikh, Taimur ; Tony Donigian
Subject: RE: EXTERNAL: RE: IL River TMDL Scenario

I will have to process the output binary files and send those results later today.
When I did the test run on Saturday, the in stream contribution (lbs) decreased linearly with the decrease in NUT-BEDCONC.
A
On Mar 19, 2018 8:12 AM, "Paul, Sabu" <SPaul@mbakerintl.com> wrote:
Anurag,
Thanks for the info. For the 69/93 reduction, what is the in-stream contribution?
Regards,
Sabu.

From: Anurag Mishra [mailto:Anurag.Mishra@respec.com]
Sent: Monday, March 19, 2018 11:08 AM
To: Shaikh Taimur <Shaikh.Taimur@epa.gov>; Paul, Sabu <SPaul@mbakerintl.com>
Cc: Tony Donigian <Tony.Donigian@respec.com>
Subject: EXTERNAL: RE: IL River TMDL Scenario

69% Reduction in Arkansas meets standards in Illinois River at Arkansas State line.
69% Reduction in Arkansas and 93% reduction in OK meets standard in Illinois river in OK as well.
~A
ANURAG MISHRA
650.962.1864 office // 650.395.7224 cell

From: Anurag Mishra
Sent: Sunday, March 18, 2018 1:37 PM
To: Shaikh Taimur <Shaikh.Taimur@epa.gov>; Paul, Sabu <SPaul@mbakerintl.com>
Cc: Tony Donigian <Tony.Donigian@respec.com>
Subject: IL River TMDL Scenario

Taim/Paul
Based on the discussions that we had on Friday. I set up new scenarios that included reduction in NUT-BEDCONC parameters as well, along with the reduction in PS and NPS sources. These are constant concentration of PO4 and NH3 in sediment beds. I did not reduce BRBOD parameters as it didn't have any significant effect in loadings or concentrations.
Based on these reductions, AR will be able to meet standards with 69% Global reductions. I will try to find a scenario so that OK can meet the standard as well.
Thanks
~A
ANURAG MISHRA
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