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**From:** Hawkins, Garrett [Garrett.Hawkins@mda.mo.gov]  
**Sent:** 8/8/2017 7:43:10 PM  
**To:** Shapiro, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2c70af880ba747b5a8b6baa45a040125-MShapiro]; Don Parrish [donp@fb.org]  
**CC:** Bennett, Tate [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1fa92542f7ca4d01973b18b2f11b9141-Bennett, El]; Greenwalt, Sarah [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6c13775b8f424e90802669b87b135024-Greenwalt,]; Forsgren, Lee [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a055d7329d5b470fbaa9920ce1b68a7d-Forsgren, D]; Campbell, Ann [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b8c25a0c2fb648b6a947694a8492311e-Campbell, Ann]  
**Subject:** RE: Connecting you

Mike,

Thank you for following up on that point. That is a critical question that must be answered.

Garrett

-----Original Message-----

From: Shapiro, Mike [mailto:Shapiro.Mike@epa.gov]  
Sent: Tuesday, August 08, 2017 2:41 PM  
To: Don Parrish  
Cc: Bennett, Tate; Hawkins, Garrett; Greenwalt, Sarah; Forsgren, Lee; Campbell, Ann  
Subject: Re: Connecting you

Don,

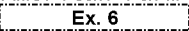
Thanks for you points. It is correct that states have used narrative criteria. I will check your point on the consent agreement since that was not my understanding.

Mike

Michael Shapiro  
Deputy Assistant Administrator  
US EPA, Office of Water

> On Aug 8, 2017, at 3:27 PM, Don Parrish <donp@fb.org> wrote:

>  
> AS a quick response - Nothing obligates states to do NUMBERS across the board. In other words, it is well within a state's right to do numbers for aquatic life and then continue to apply the narrative for the drinking water supply lakes. Equally important, nothing in the 2011 disapproval, the MCE complaint, or the consent decree even mentions drinking water; it's all focused on aquatic life and recreation. So why is this Administration trying to force Missouri to focus on drinking water?!?

>  
> Don R Parrish  
> American Farm Bureau Federation(r)  
>   
> donp@fb.org

>  
>  
> -----Original Message-----  
> From: Shapiro, Mike [mailto:Shapiro.Mike@epa.gov]  
> Sent: Tuesday, August 08, 2017 2:48 PM  
> To: Bennett, Tate  
> Cc: Garrett.Hawkins@mda.mo.gov; Don Parrish; Greenwalt, Sarah; Forsgren, Lee; Campbell, Ann  
> Subject: RE: Connecting you

>  
> I did some checking with our folks here at HQ on the question of whether EPA requires water quality standards to be based on drinking water protection. In general states are expected to establish water quality standards based on the designated uses for the associated bodies of water. In the case of Missouri lakes, all lakes (there are 860) are expected to support healthy aquatic life. Missouri has also designated some lakes (102) as source waters for drinking water. In those lakes. criteria would be developed to protect aquatic life and criteria would be developed to protect drinking water use. The final criteria applicable to those lakes would reflect the more stringent of the two use cases. Those lakes that were classified solely for aquatic life would just have criteria based on that use. This

illustration assumes just two use cases, but there may be other use designations, such as recreation. The general principle would be the same. States are expected to develop criteria that protect the most sensitive designated uses.

>  
> I hope this is helpful.

> Mike

> **Ex. 6**

> Michael Shapiro  
> Acting Assistant Administrator, Office of Water US EPA, 4101M  
> 1200 Pennsylvania Ave., NW  
> Washington, DC 20460  
> 202-564-5700

> -----Original Message-----

> From: Bennett, Tate  
> Sent: Tuesday, August 08, 2017 9:47 AM  
> To: Shapiro, Mike <Shapiro.Mike@epa.gov>  
> Cc: Garrett.Hawkins@mda.mo.gov; donp@fb.org; Greenwalt, Sarah <greenwalt.sarah@epa.gov>  
> Subject: Connecting you

> All-

> Per Mike and I's discussion with Sarah, can you all connect as soon as possible and compare your interpretations on the nutrient standards requirements for MO? We can check in with you later today, Mike.

> Thank you all so much.

> Tate