Message

From: Keenan, Dru [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9525DC06E2E74BB89DA45F7E19B2E0CA-KEENAN, DRU]
Sent: 8/11/2017 5:53:06 PM
To: Castle, Shawna [scastle@usbr.gov]; DeWinkler, Jeffery [jdewinkler@usbr.gov]
Subject: RE: NPDES: Question for Dru
Attachments: 08112017_Ex of Dam Applications_dmk.pdf

Hi Shawna and Jeff,

I've checked into a definition for winter and summer temperatures and did not turn up one. I checked with our permit lead, EPA regs, and Washington State's water quality standards, and did not turn up a definition. That said, I think the best way to think about it is choosing the temperature reading from the coldest point in the year and warmest point in the year. From my work on the Region's temperature standard, the coldest period of the year is usually in early – mid January and the warmest is usually end of July to early August.

Attached is some examples from applications from Ice Harbor and Bonneville Powerhouse 2 applications. Hope this helps with the diagrams and form 2E
Please contact me if you have questions. (I will be in on the 14th then on travel the rest of the week for work, back in on the 21st).

Dru

Druscilla M. Keenan
U.S. EPA Region 10
1200 6th Ave Suite 900 M/S 191
Seattle, WA 98101
keenan.dru@epa.gov
206-553-1219

From: Castle, Shawna [mailto:scastle@usbr.gov]
Sent: Friday, August 11, 2017 7:39 AM
To: DeWinkler, Jeffery <jdewinkler@usbr.gov>
Cc: Keenan, Dru <keenan.dru@epa.gov>
Subject: Re: NPDES: Question for Dru

We were able to talk. Dru is working on clarifying the temperature question we had and will be sending a few examples of other permits to assist!

Happy Friday!

On Fri, Aug 11, 2017 at 8:33 AM, DeWinkler, Jeffery <jdewinkler@usbr.gov> wrote:

> Sorry ladies. I had a personal event come up that I needed to take care of. My apologies again for missing the meeting.
>
> So did you ladies still converse on the phone or shall I set up another meeting?
>
> **Jeff DeWinkler**
>
> Environmental Protection Specialist
> US Bureau Of Reclamation GCPO

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On Thu, Aug 10, 2017 at 1:41 PM, Keenan, Dru <keenan.dru@epa.gov> wrote:

Hi Jeff, are we having the call today??

Dru

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From: DeWinkler, Jeffery [mailto:jdewinkler@usbr.gov]
Sent: Thursday, August 03, 2017 9:58 AM
To: Keenan, Dru <keenan.dru@epa.gov>
Subject: Fwd: NPDES: Question for Dru

Below are a couple questions we have for the EPA application. I will set up a phone call for next week. Look for an invite on your email soon.

Thanks

Jeff DeWinkler

Environmental Protection Specialist

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---------- Forwarded message ----------
From: **Castle, Shawna** <scastle@usbr.gov>
Date: Thu, Aug 3, 2017 at 9:21 AM
Subject: NPDES: Question for Dru
To: Jeffery DeWinkler <jdewinkler@usbr.gov>

On the NPDES form in indicated you need source of estimate. McNary is blank but it appears they have estimated discharges.

How do we handle infrequent flows and intermittent flows?

Estimated flows are sometimes overestimated. In some cases its the best we can. Is it better to overestimate to be safe or work on getting a closer estimate

How are winter and summer months defines? (months)

Grand Coulee Flow chat is complex. Can we have complex flow chart or just break it out simple? This may be a phone discussion with Chart and engineer involved.

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Shawna Castle

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