

Edl, Michele

From: Tim Cochran [tim.cochran@nli.coop]
Sent: Wednesday, February 01, 2012 9:14 AM
To: Edl, Michele
Subject: RE: Heat Exchanger

Michelle,

I have just contacted Eric to ask him if he can supply the design loads. Problem is that the building was designed in 1999, the current heating consultant was not the original designer only consulted on replacing the heat exchanger. I will let you know what I find out.

Tim

From: Edl, Michele [mailto:Michele.Edl@idwr.idaho.gov]
Sent: Tuesday, January 31, 2012 4:04 PM
To: Tim Cochran
Subject: RE: Heat Exchanger

Mr. Cochran,

Thank you!

Yes, I needed that flow rate.

Unfortunately, that number only gets me half-way. I am required to issue a license with a rate and a volume for each use.

IDWR has standard methods for determining volumes for irrigation, domestic and some other uses. We don't have comparable standard methods for heating and cooling uses.

I know that Northern Lights has a heat exchanger and a system of heat pumps which exchange heat with water. And now I know the rate of water beneficially used by the exchanger.

I need to know what the design heating and design cooling loads for the system were. I can calculate a volume based on those design loads projected onto a year that is cooler or warmer than average. In that way I can issue a license for a volume that is generous enough to keep you in compliance with your water right even if the weather is more severe than the year that the examiner visited.

I understand that you were able to contact the HVAC designer. I would be happy to connect with them directly for the information I need but I do not have the relevant contact information.

Sincerely,

Michele Edl

From: Tim Cochran [mailto:tim.cochran@nli.coop]
Sent: Tuesday, January 31, 2012 10:51 AM
To: Edl, Michele
Subject: Heat Exchanger

Michelle:

The maximum flow through the heat exchanger is 115 gpm.

Is that what you were looking for?

Tim Cochran
Northern Lights