From:	McDonald, Jeffrey
To:	"Gilmore, Tyler J"
Cc:	Bayer, MaryRose; Saieh, Patrick; Akhavan, Maryam; Greenhagen, Andrew; Deniz.Demirkanli@cadmusgroup.com; Bonneville, Alain; Williams, Mark D; Spane, Frank A; Appriou, Delphine; Vermeul, V R (Vince); Krueger, Thomas; McAuliffe, Mary
Subject:	RE: Analysis of Pressure Impacts and Protection of USDW
Date:	Friday, January 24, 2014 4:21:00 PM

Tyler,

Thanks for this info and the response to our 1/14 request you sent last night. As we discussed on the call, we'd like to see the wellbore pressure calculations that you used to come up with surface injection pressures. I'd like to see how we might be able to use them. I am still thinking that there may be some simplicity to regulating maximum injection pressures down hole. In the past, such suggestions tended to complicate compliance determination if we would have accepted the idea (always a factor for when crafting conditions). However, I think in the proposed project, having a down-hole point of compliance for an injection pressure limitation might avoid more complications than are created. Let me talk to the folks here and I'll get back to you shortly.

Thanks again,

Jeff

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From: Gilmore, Tyler J [mailto:Tyler.Gilmore@pnnl.gov]
Sent: Thursday, January 23, 2014 5:24 PM
To: McDonald, Jeffrey
Cc: Bayer, MaryRose; Saieh, Patrick; Akhavan, Maryam; Greenhagen, Andrew; Deniz.Demirkanli@cadmusgroup.com; Bonneville, Alain; Williams, Mark D; Spane, Frank A; Appriou, Delphine; Vermeul, V R (Vince)
Subject: Analysis of Pressure Impacts and Protection of USDW

All,

Thank you for the discussion this morning on our conference call. As follow-up, attached is a DRAFT of our "*Analysis of Impacts on Lowermost USDW from Focused Leakage of Brine from Plugged and Abandoned or Poorly Constructed Wells at the FutureGen 2.0 Site*" This report is in support of our AoR designation in the UIC application. The attached copy is only a draft and we plan to update it with a sensitivity analysis of Chian's 2011 validated model outputs with outputs from his newer 2013 model. We will also update the permeability values used for

the Potosi based on available literature and permit records. We will send you a "final" version when we've completed these updates before the end of next week.

Under separate cover we will send you more information on the well bore pressure calculations and the shape file for the AoR. We'll also load the shapefile on the Input Advisor for GS3. Let me know if there are other items that you need which will help in your evaluation.
Thanks
Tyler

Tyler Gilmore
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