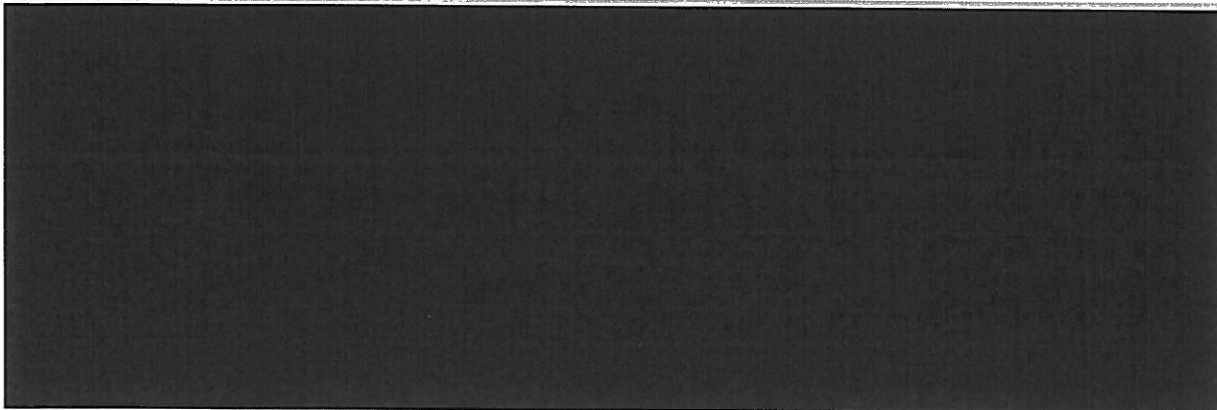


**Fw: A couple of thoughts**

Judith Hykel to: Louis Reynolds

11/20/2009 08:41 AM

Cc: Victoria Binetti, Steve Platt, Roger Reinhart, Angela McFadden, Lisa Donahue,  
Nina Rivera, Stefania Shamet, Chad Harsh



----- Forwarded by Judith Hykel/R3/USEPA/US on 11/20/2009 08:13 AM -----



**Stefania Shamet/R3/USEPA/US**  
11/16/2009 11:39 AM

To: Nina Rivera/R3/USEPA/US@EPA, Judith Hykel/R3/USEPA/US@EPA  
cc

Subject: Fw: A couple of thoughts

Thought you'd find Lou's reaction to the Administrator briefing interesting.

----- Forwarded by Stefania Shamet/R3/USEPA/US on 11/16/2009 11:38 AM -----



**John Forren/R3/USEPA/US**  
11/13/2009 01:41 PM

To: Stefania Shamet/R3/USEPA/US@EPA  
cc

Subject: Fw: A couple of thoughts

----- Forwarded by John Forren/R3/USEPA/US on 11/13/2009 01:41 PM -----

From: Louis Reynolds/R3/USEPA/US  
To: John Forren/R3/USEPA/US@EPA, John Pomponio/R3/USEPA/US@EPA, Margaret Passmore/R3/USEPA/US@EPA  
Date: 11/13/2009 11:30 AM  
Subject: A couple of thoughts

Seems to me that Lisa Jackson gets it. She is a quick study. (certainly no need to dumb anything down on her account..)

In terms of the nature of TDS - it is a little different up here, but by and large it should not differ that greatly. The sulfates are still quite high. Mine discharge from those deep mines shouldn't differ a lot from the normal mining constituents. Something has changed in the mine pools.

- 1) May be that the amount that is being pumped has now pulled up older nastier water that is higher in chlorides.
- 2) Mining companies are disposing of CBM and Marcellus water in the mine pool.
- 3) Mining companies are taking CBM and Marcellus water into their treatment ponds.

One or any combinations of the above might be happening. Its imperative that we track this waste stream better.

Conductivities in these streams, under reference conditions (which we DO NOT HAVE any longer in these watersheds) is likely in the range of 150.

I thought it was a good call but we must keep the pressure on the states. The current TDS fix by PA will not affect these dischargers one bit.

Lou

Lou Reynolds  
USEPA Region III  
Freshwater Biology Team

