

From: Susan Brantley
Sent: Tuesday, February 04, 2014 5:06 PM
To: Hanlon, Edward
Subject: paper published on Marcellus

Hi Edward: I just thought I would forward this paper to you that we just published about the Marcellus water issues in case you are still compiling these. Thanks Sue Brantley

The on line publication information is at this link: <http://dx.doi.org/10.1016/j.coal.2013.12.017>

The reference citation is:

Brantley, S.L., Yoxheimer, D., Arjmand, S., Grieve, P., Vidic, R., Pollak, J., Llewellyn, G.T., Abadb, J., and Simon, C. Water resource impacts during unconventional shale gas development: The Pennsylvania experience. 2014. *Int. J. Coal Geol.* In Press.

<http://dx.doi.org/10.1016/j.coal.2013.12.017>

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