

Data Submitted (UTC 11): 8/30/2018 4:00:00 AM

First name: Heather

Last name: Cantino

Organization:

Title:

Comments: Packet #29: Fwd: proximity to frack wells and household health status Enviro Health Perspectives 2015

Please acknowledge receipt.

1) Rabinowitz PM, Slizovskiy IB, Lamers V, Trufan SJ, Holford TR, Dziura JD, Peduzzi PN, Kane MJ, Reif JS, Weiss TR, Stowe MH. 2015. Proximity to natural gas wells and reported health status: results of a household survey in Washington County, Pennsylvania. Environ Health Perspect 123:21-26; <http://dx.doi.org/10.1289/ehp.1307732>

Results: The number of reported health symptoms per person was higher among residents living < 1 km (mean [plusmn] SD, 3.27 [plusmn] 3.72) compared with > 2 km from the nearest gas well (mean [plusmn] SD, 1.60 [plusmn] 2.14; p = 0.0002). In a model that adjusted for age, sex, household education, smoking, awareness of environmental risk, work type, and animals in house, reported skin conditions were more common in households < 1 km compared with > 2 km from the nearest gas well (odds ratio = 4.1; 95% CI: 1.4, 12.3; p = 0.01). Upper respiratory symptoms were also more frequently reported in persons living in households < 1 km from gas wells (39%) compared with households 1-2 km or > 2 km from the nearest well (31 and 18%, respectively) (p = 0.004).

and

#2 Understanding the Radioactive Ingrowth and Decay of

Naturally Occurring Radioactive Materials in the

Environment: An Analysis of Produced Fluids from the

Marcellus Shale, Andrew W. Nelson et al., Environmental Health Perspectives, 2015  
<http://dx.doi.org/10.1289/ehp.1408855>

This data must be fully assessed and all economic, social, and health costs accounted for in your analysis of fracking the Wayne. The Wayne's responsibility for fracking occurring in adjacent parcels, which Tony Scardina claims is one reason why the Wayne should lease (not!), must be accounted for as cumulative effects, since the Wayne's leasing therefore makes drilling attractive to frackers who would otherwise not bother with the smaller parcels. The impacts of vastly increased quantities of radioactive frack waste and their transportation through, venting into neighborhoods and injection into our communities must also be quantified. The cumulative impacts for which the Wayne is responsible and must quantify are therefore profound. (You can't have it both ways, Tony!)

Sincerely,

Heather Cantino, Steering Committee Chair,

Athens County Fracking Action Network, [acfanoio@gmail.com](mailto:acfanoio@gmail.com)

on behalf of Athens County Fracking Action Network,

acfan.org, acfanohio@gmail.com

Buckeye Environmental Network (formerly Buckeye Forest Council), Roxanne Groff, board chair

Jean Andrews, Documentary Video Producer, "A Forest Returns: The Success Story of Ohio's Only National Forest as Told by Ora Anderson"

Concerned Citizens of New Concord Muskingum County, OH 43762

Meghan Wynne, Organizer

----- Forwarded message -----

From: Heather Cantino

Date: Thu, Dec 8, 2016 at 10:08 PM

Subject: proximity to frack wells and household health status Enviro Health Perspectives 2015

To: Kathleen Atkinson <katkinson@fs.fed.us>, "Henry, Judi -FS" <jhenry01@fs.fed.us>