Exhibit G

Transcript of Penneco UIC Permit Public Hearing

BEFORE THE

US EPA

OF WATER PROTECTION DIVISION

* * * * * * * *

IN RE: US EPA HEARING

* * * * * * * * *

BEFORE: JAMES BENNETT, Chief

MARK NELSON, Member

ROGER REINHART, Member

DAVID RECTENWALD, Member

HEARING: Wednesday, July 26, 2017

6:30 p.m.

LOCATION: The Plum Community Center

499 Center - New Texas Road

Plum, PA 15239

WITNESSES: None

Reporter: Diana L. Inquartano

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PROCEEDINGS

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CHAIR: Good morning ladies and gentlemen. I'd like to call this hearing to order. Thank you for the Township and for the Senior Center for hosting this hearing tonight. I wanted to start off by saying there was a request for copies. I did bring 30 with me, however there's more of you than 30.

So what we're going to do is there is copies on our EPA website of our public notice. Can you hear me now? You guys can hear me now? There's copies of our public notice, draft permit and statement and basis on our EPA website. I have 30 copies for people that don't have access to the Internet.

I ask if you don't have access to the Internet, plus also the local county library has copies of all this information as well. So there's three different places you can. At the end of the hearing, if you don't have access to the Internet I - I have copies of all of it up here for 30 people.

Okay?

I'd like to say thank you for your attendance tonight. This is a - this is a formal

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public hearing on a proposed permit under the
federal Underground Injection Control Program for a
project consisting of one brine disposal well known
as the Penneco injection well Sedat Number 3A in
Plum Borough, Allegheny County.
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Public notices for these permits were distributed to state officials, interested parties by written or calling EPA and also published in the Tribune Review on June 22nd, 2017.

I ask for your cooperation in adhering to the procedures I will outline for you shortly so that we could make the most of this opportunity for public comment.

First, however, I want to introduce myself and other members of the - of the agency. I am James Bennett, the Chief of the Groundwater and Enforcement Branch of the Water Protection Division located in the U.S. Environmental Protection Agency's office in Philadelphia, Pennsylvania. With me tonight are Mark Nelson, our project officer, Roger Reinhart our enforcement team leader, and Dave Rectenwald, our oil and gas inspector.

For those who came here today out of general environmental interest and concern, I would like to acquaint you with the basic goals of the UIC

program, which EPA is administrating in the
Commonwealth of Pennsylvania.

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1974 and its amendments recognize the importance of safeguarding our nation's drinking water supply in a number of ways. One program authorized by the Act is the Public Water System Supervision Program, which is designed to ensure that public water supplies deliver safe drinking water to their users. This program is currently being operated by the Pennsylvania Department of Environmental Protection.

The Federal Safe Drinking Water Act in

Congress also recognized at the time of the law's enactment that our groundwater resources which supply approximately half of our national drinking water resources also needed protection from potentially harmful practices, such as the underground injection of fluids.

Sections 1421 through 1424 of the Safe
Drink Water Act addresses the provisions which
authorize the UIC program and covers the procedures
under which EPA must implement a federally
administered program in those states such as
Pennsylvania whenever a state will not or cannot
assume primary enforcement for the program.

Since June 25th, 1984 EPA has been

- 1 | enforcing the federal UIC program in Pennsylvania.
- 2 | The program addresses a variety of different types
- 3 or classes of injection wells, including nearly
- 4 | 1,500 active oil and gas related wells in
- 5 | Pennsylvania. The objective of the program and the
- 6 permits authorized under it are to ensure that the
- 7 | construction and operation of these wells provide
- 8 | the highest level of protection to underground
- 9 | sources of drinking water.
- 10 Underground sources of drinking water
- 11 | are basically defined as those aquifers which supply
- 12 or could supply drinking water for human
- 13 consumption. The regulatory definition of USDW also
- 14 includes consideration of both the quantity of water
- 15 available and its quality. It protects all water
- 16 resources with less than 10,000 parts per million
- 17 | total dissolved solids.
- 18 Any and all new injection laws
- 19 | constructed after June of 1984 are required to apply
- 20 | for an EPA permit to ensure the compliance with the
- 21 | construction, the operational requirements, to
- 22 | safeguard our groundwater resources.
- It is our intent to enforce the
- 24 provisions of the UIC program for Pennsylvania to
- 25 enhance and protect the Commonwealth's groundwater

resources by ensuring the injection operations meet protective standards mandated by the UIC program.

I would like to clarify the need for a federal program on this issue and the relationship to state and local authorities. Existing programs within the state not historically addressed - did not historically address injection operations. In the preventative sense is it's a federal program.

EPA's program is designed to protect groundwater resources through stringent casing, cementing, testing and continuous monitoring requirements. It is the program which seeks to address many of the concerns you are here for today.

The UIC program, however, does not address or have jurisdiction to enforce against such issues as noise, air emissions, truck traffic, or siting related to residential buildings that you may also have concerns about. The UIC permit does not -does contain a condition that requires an operator to meet all required local and state laws.

The UIC permit m does not override any local or state regulations. The purpose of the UIC permitting process for existing and new wells is to control and prevent any injected fluids from endangering underground sources of drinking water.

All injection operations must comply with the construction operation, monitoring, and reporting requirements specified in the UIC regulations.

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The specific technical requirements for construction of the well, maximum injection pressure limitations and a corrective action plan and area of review which is required to address any unplugged wells that penetrate the injection formation, and which may serve as kind of a fluid migration, are all designed to ensure that the injected fluids contained within the well in the intended injection zone.

The EPA has several mechanisms for identifying non-compliance and has made a commitment to strong enforcement of permit conditions and the overall programs provisions. EPA routinely inspects all of facilities to assist in evaluating this compliance.

The severity of a penalty will be based on the seriousness of the violation.

Violators of the UIC regulations are subject to either criminal or - or civil penalties. Parallel state enforcement authorities under the Commonwealth Oil and Gas Regulations may afford additional protection.

Now having supplied you with a brief overview of the UIC program and purposes of this hearing, I'm going to briefly explain the protocol and procedures which govern this hearing. Persons wishing to testify will be called in the following order.

We will invite all elected officials representing federal, state or local government and then all other private citizens and representatives of the public or environmental groups. If you wish to present testimony today but have not signed the register, please do so now.

In presenting oral testimony, we ask that you clearly identify yourself and your organization or affiliation. We also request that you limit your testimony to a maximum of three minutes to ensure that the interested - that all interested parties have an equal opportunity to speak. For those submitting written testimony tonight, please supply a copy of that record if you have it with you.

We will not be responding to your comments or questions during the formal part of the public hearing, because our purpose in being here is to formally solicit your input on the permit

- 1 | proposal before us. Any additional comments that
- 2 | you may take you may care to make after this
- 3 | hearing may be made in writing no later than a week
- 4 from today, August 2nd, 2017.
- 5 We're going to extend the written
- 6 | comment portion of the permit process. You can send
- 7 | that to James Bennett, US EPA, Region 3, 1650 Arch
- 8 | Street, Philadelphia, Pennsylvania 19103, mail code
- 9 | 3WP as in Paul, 22.
- 10 So at this time I'm going to call up
- 11 | the elected officials. Richard Hrivnak. I ask that
- 12 | you spell your name for the stenographer.
- MR. HRIVNAK: Sure. I can give you a
- 14 business card. How about that? First of all, my
- 15 | name is Richard Hrivnak. I'm the Mayor here in Plum
- 16 | Borough. Our community is 30,000 plus residents.
- 17 | Sorry. That's the first time I've ever been told I
- 18 | didn't speak loud enough. My name is Richard
- 19 | Hrivnak. I'm the Mayor here at Plum Borough.
- We have approximately 30,000 plus
- 21 residents here. And I come before you today as an
- 22 | elected official and entrusted with the welfare of
- 23 all those residents to state my opposition to this
- 24 particular project.
- I I and first of all, I want to

thank you gentlemen for all coming here because I
think this is a very worthwhile process and
hopefully you'll listen to what myself and the rest
of these residents have to say.

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You mentioned a lot of these today about the water tables and safe drinking water. And certainly those are at the forefront of my concern as well as, I'm assuming, most of the folks in this audience. The sewage - excuse me, the seepage that is possible from an injection well raises great concern with me and for the - the overall public safety of our community.

One thing you didn't mention, and this is something that I think is very important as well, is the possible seismic effects of this particular project. There is a pro public study that was done a couple years ago and you gentlemen may be familiar with that project. Basically they did some testing in Oklahoma about some of the injection wells that they - they - they drilled there.

And they found that those wells that were drilled in proximity to the industrial underground uses, i.e., coal mines, had a higher propensity for seismic or earthquake activity. And

this area here we're - our history is a mining and farming community. It is undermined throughout this entire 29.9 square miles that we have here. We're very large. And my concern also is for that.

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We've had subsidence issues across our community, as well as any coal mine community does.

And I have some really large concerns about those.

The other thing, obviously, and I'm sure the folks will address this as well is that the infrastructure certainly - the elevation of this particular well my understanding is it's a pretty permanent road leading up to the current well site. And it's off of Old Leechburg Road, which is on a rather large hill.

And I think that would, A, present some safety issues, which I think hopefully our Borough council will take a look at. And some noise and some residential traffic issues that we would have here, but also the wear and tear on those roads certainly is a concern I think to all of us.

For brevity sake, the only other thing
I wanted to mention here today is that it also is a
concern of mine is doing some brief research.

And you gentlemen I know they're out in the eastern part of the state. And please

1 | correct me if I'm wrong on this, and I know you said

2 | you weren't going to take comment, but I'm going to

3 | say it anyhow is there are currently ten approved

4 injection well sites in the State of Pennsylvania.

5 This would be the 11th proposed well. Am I correct

6 | there first of all? I don't want to give false

7 information.

Okay.

9 I assume by your silence that I'm

10 correct. With that being said this is number 11.

11 | The one thing I found very interesting is all 10

12 current sites, including this proposed 11th site,

13 are in western Pennsylvania and that to me speaks

14 volumes.

19

And I think it is vastly important

16 | that you hear our comments tonight and please

17 | understand why we are all here standing up against

18 | this underground garbage dump. Thank you.

CHAIR: David Vento.

MR. VENTO: Hi. My name is Dave

21 | Vento. I'm a Plum councilman, have been for - I'm

22 | in my 12th year. Like Rich said, most of the people

23 | in this audience I'm sure are here to express their

24 | concerns for this project. I'm one of them and I am

25 | against it myself.

When we talk about safe drinking water, quality of the water in our aquifer in this area, I'm not an engineer, but I know that area pretty well. I used to ride dirt bikes all through there and that's at the top of the hill. And as Rich said, the bottom of that hill is pretty steep going down. I used to drive down there all the time hauling coal and it - 1,900 feet from that point down will put it pretty close to right on the street level or just below it.

2.4

And that means it's going to be right in the creek, the Puketa Creek area. I think seepage is going to happen quick. I don't know what this well is constructed of. I heard that - you know, and just going by the newspaper articles because I'm actually not well versed in this issue, but I'm trying to become that way now.

But it is in the Murrysville shale, which is a soft shale, which I think was quoted from the - somebody at either EPA or Penneco that that's what they're looking for so it can disperse through the shale system. And that'll help, I don't know, clean it out. Well, you know, our water system comes from that shale, too, that water and Plum Borough has recently made a contract with

1 | Westmoreland Water.

Not only can it go into the Puketa

Creek and end up in the Allegheny River, but it can
also go the other way through that shale system and
end up in the Beaver Run reservoir, which our
drinking water is directly coming from that for
those of you that don't know that.

So, you know, these are - these are some of the issues. Not just the traffic issue, which that hill is - the roadway coming down there faces one way and you want to go the other way. It's going to be a mess pulling out on that road. The roadway itself is actually non-conforming, not in good shape ever. It's a state road.

We've been patching it the last ten years because of another coal mine reclamation project, but it's falling apart gentlemen. So, you know, I know as a borough we're going to make you probably bond that road, the state will make you bond the road and, you know, we're going to hold the feet to the fire.

If anything does happen to go through there much to our general dislike, we're going to make sure we hold whatever goes in there to all the ordinances we can make from this time on and until

1 | the time that - that project starts.

So I just want to let you know we don't have any probably recourse to stop this, but like myself and everybody here probably to the man or lady is against this project. Thank you.

CHAIR: Tim Sanstrom.

 $\underline{\text{MR. SANSTROM:}} \quad \text{I'm going to do mine in} \\$ writing.

CHAIR: In writing?

Okay.

2.4

11 Dave Odom.

MR. ODOM: Good evening everyone. My name is David Odom. I'm a 14-year resident of Plum Borough and a candidate for council. I have a number of issues with this particular request that went in with respect to the injection well. Mainly in my review of the statement basis that the EPA provided.

A number of questions that I have are associated with the lack of granularity that was provided to the statement basis. I have some questions. One, the EPA sent a notice of deficiency dated July 8th, 2016 to permittee requesting additional information, but then notice of deficiency was not made available to the public.

The EPA conducted a zone endangering influence using geological information that was pertinent to the injection zone as well as anticipated operational parameters, but there was no mention of how old that geologic data was that was used to determine that endangering influence. I think that's a major point of contention.

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The draft permit also requires Penneco to perform corrective action on any unplugged, abandoned wells that penetrate the injection zone within the area of review if they are identified at a future date.

Who's providing oversight of Penneco other than the EPA? And what requirements exist to provide that documentation to Plum Borough so that we can make sure that it's conducted in a manner that meets those respected identified regulatory compliance requirements?

The geological and seismic review section of the statement of basis document also states that the Safe Drinking Water Act regulations for class two wells do not require consideration for seismicity and that the EPA establish the maximum injection pressure that was designed to limit the potential for seismic events.

Someone needs to elaborate for the public on exactly what limiting the potential for seismic events actually means. The permit also provides that the permittee shall inject through the injection well only into a formation which is free of known open vaults or fractures within the area of review, but it indicates that although this does not conclusively demonstrate the absence of any faults in the area of the well, that the probability of injection induced seismicity is low.

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Could someone please provide more specificity other than low on the actual calculated probability of an injection seismic event in this borough? What are the potential impacts to a residential area in the event of an injection well failing from seismic event that results in the contamination of the USDW?

There is a historical record of structural failures inside injection wells that it happened on a routine frequency based on inspections that your organization has performed in the past.

There's also issues associated with the testing, monitoring, reporting requirements and the oversight associated with this particular activity.

Specifically associated with some of

1 | the issues that indicate that permittee will also

- 2 | make a demonstration of their financial
- 3 responsibility that ensures adequate resources will
- 4 be maintained for well function.
- 5 What happens if permittee goes belly
- 6 | up financially? Are those documents of financial
- 7 | responsibility going to be released to Plum Borough
- 8 for review? That's something that we as community -
- 9 as residents in this community deserve the right to
- 10 review to ensure that they have the financial
- 11 liability to perform this over the period of time
- 12 | that they choose to engage in this activity.
- I don't think I need to elaborate any
- 14 | more on our dissatisfaction with this as a
- 15 community, but we want to make sure that you, as the
- 16 | EPA, are providing us with the answers that we
- 17 deserve to have as residents of this borough. Thank
- 18 you.
- 19 CHAIR: Thank you. Frank Smolenski.
- MR. SMOLENSKI: Good evening. My
- 21 | name's Frank Smolenski.
- 22 CHAIR: Can you spell your name for
- 23 the stenographer, please?
- MR. SMOLENSKI: Oh, S-M-O-L -
- 25 S-M-O-L-E-N-S-K-I. Probably I'm going to be most

affected by this well because I live directly across the street from it. I'm quite familiar with the area.

I've been a resident for 59 years, all my life. And one problem I have immediately with that well, when that well was drilled originally in '89, there was a problem with a landslide. They had to come back in and reinforce - that whole area slid. I think they had to remove the rig when they drilled that well. If you took a tour of that site, you can see this - you know, the original slippage.

Another concern I have, there's been landslides constantly moving in that area. I have an area right on the corner of my property that the state fills in quite frequently because of the road slipped, so there's - Besser Road's closed off because of the road slippage. There's numerous road slippages in that area, so that indicates to me that there's a potential hazard right there.

Another hazard is the borough moved its school buses down over the hill. Quite a lot of bus traffic there now, so the truck traffic would be a major concern of mine. And I have no city water available to me, so if indeed this does seep and contaminates my spring, which I know originates quite close to that well, I'm screwed because there's no

city water available to me.

Is Penneco going to run a line for me? 2 3 I can't afford to do it. Those are my major concerns. 4 This stuff can be treated other ways and disposed of 5 properly. This is going to benefit nobody but Penneco 6 because they have to put that stuff someplace regardless and there's going to be no extra jobs created. It's going to be a public hazard. 9 good.

Thank you. Lee Anne Weiss. CHAIR:

11 MS. WEISS: I - I will submit my 12 concerns in writing. I'm just here as a concerned 13 resident and parent, and I - many of my concerns have 14 already been addressed.

15 Thank you. CHAIR: Berney

16 Rott -.

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17 MR. ROTTSCHAEFER: Rottschaefer.

18 CHAIR: Okay. Can you spell it for

19 the stenographer?

20 MR. ROTTSCHAEFER:

R-O-T-T-S-C-H-A-E-F-E-R. A-E-F-E-R. Hi. I own 35 acres on top of Logan's Ferry hill up by City View 23 Tavern. Under my house, which I have core borings 24 for, are three mines, only two of which show on the 25 state charts. The third lies a deep mine. It's not on the state charts.

2.4

We have three wells that have gone through it and it's there. The other problem I'm concerned about is the old Logans Ferry Mine, which is a huge mine that goes underneath the Allegheny River and two tunnels which were bored in 1921. Allegedly they may be leaking at this point. I am concerned as a retired physician that the Haliburton stuff that they put in fracking compounds may be actually endocrinologically active and cause perhaps early puberty in people and certainly the question of carcinogens is questioned.

I'm old enough it won't affect me that much, but I'm worried about my grandkids, my great grandkids, my great-great grandkids if you contaminate our water source, we will not be a livable viable community basically. We have wonderful water, we have wonderful administrations here. I think this is the time to say no.

Let them put it in some more rural area out west or something and pay the trucking or the railroad fees to get the water there rather than put it in our backyard. Thank you.

CHAIR: Thank you. Dave Daugherty.
MR. DAUGHERTY: Dave Daugherty, 1801

1 Greensburg Road, bottom of Old Leechburg at 366, right

- 2 at the bottom of the hill. Your wells will be right
- 3 up here (indicating).
- 4 CHAIR: spell your name for the
- 5 stenographer.
- MR. DAUGHERTY: D-A-U-G-H-E-R-T-Y.
- 7 | Now, my first comment in the paper here you have a guy
- 8 Grant Schavellio or something like that. It has his
- 9 phone number. He works for you guys. I called him
- 10 twice, left him voicemails to call me back. Never
- 11 called me back. What's wrong with this guy? He works
- 12 for you guys. He didn't call me back.
- 13 Right?
- 14 We're paying all you guys salaries.
- 15 He should be calling me back.
- 16 My next question is we have well
- 17 | water. I guess my question is, when this starts
- 18 | leaking and our well water is polluted, what happens?
- 19 AUDIENCE MEMBER: You get sick.
- 20 That's what happens.
- 21 MR. DAUGHERTY: I'm going to stand
- 22 here until I get an answer. Who's going to fix it?
- CHAIR: During the public -.
- MR. DAUGHERTY: But who's going to fix
- 25 lit?

MR. DAUGHERTY: I want to know who's going to fix it. Everyone in here wants to know.

AUDIENCE MEMBER: I want to know.

6 MR. DAUGHERTY: Everybody wants to

7 know.

5

Right?

I don't even why you guys are here if
you won't answer the questions.

CHAIR: At the end of the thing we answer questions. This part of the hearing is to hear your comments for things that we can go back and address -.

MR. DAUGHERTY: You're going to pump 54,000 gallons a month.

17 AUDIENCE MEMBER: Barrels.

18 MR. DAUGHERTY: It's even more than

19 that then.

20 Okay.

So how many - how long can you keep
popping this in there before something happens? Where
is it all going to go? What about the pipes that are
in there right now? How long has those pipes been in
there that you're going to put pressure in there, pump

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1 this into the ground? Are they going to put new pipe 2 in?
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They're going to use old rusty stuff?

What is going to happen here? No answers. I don't

know I'm even up here. Well, I want to know who's

going to fix my water, get me city water when this is

done, and how long it's going to take. Because I

can't have poisoned water coming into my house. We

have well water, we have septic system.

I can't pump this all through my septic system, so what is going to happen? Am I going to get an answer tonight about this or do I have to ask again?

14 CHAIR: At the end.

MR. DAUGHERTY: This is silly.

16 Okay.

17 You guys just sit there and stare at

18 me.

10

11

12

13

19 CHAIR: Thank you. Robert Parker.

MR. PARKER: Good evening. My name's

21 Robert Parker. I live at 1534 Habor Street Road in

22 | Plum Borough. I've been a resident of Plum Borough

23 for almost 35 years now and I have several concerns.

24 The first concern I have is a student asked me one

25 | time - I'm not an English teacher. I used to be a

science teacher, but he said, what's the difference between empathy and ignorance? And I said, I don't know and I don't care.

1.3

Fortunately, apparently, you know, based on the number of people that have turned out - which kind of surprised me, you know, due to the almost lack of information I had regarding this meeting because I didn't - I don't tune into the channel that it was on TV. And it wasn't in the newspaper and I just - I'm glad there's so many people here. I really am. But, you know, the - the ignorance part is hopefully going to be solved here as well.

I think people are going to become more and more concerned about this and they're going to be reading more and more about it. And I as a resident of the borough am totally opposed to this project, and I can see where it's going to open a lot of doors, you know, to the fracking industry. And that's just going to create more and more problems for the borough of Plum.

And I just think that if we can stop this, you know, injection well project, you know, possibly, you know, that obviously is going to be a concern for the fracking industry because where are

they going to go, you know, with their wastewater?
They can't go to Ohio, you know. So this is the only
option.

One of the interesting things that I have is that I grew up in Northern Pennsylvania. And if you're familiar with that area, that's where Kendall Oil in Bradford, Pennsylvania was a - you know, a big producer up there. And fracking started a long time ago. My dad worked for Kendall Oil and I remember fracking starting up there then, and they used to have these big fracking trucks running all over the place.

And then in those days they weren't using injection wells. They were actually using ponds, you know, to dump a lot of this wastewater and some of those ponds, obviously, overflowed. And for me - I'm a fisherman and this was really upsetting for me.

One of them overflowed into one of the best trout streams in Pennsylvania and all you saw up and down that stream was dead fish. So you know that the chemicals coming out of these - you know, these fracking companies or these fracking industry are very, very volatile. And I could read you a list of what's in there because it's - it's really scary.

So I think that just because of that, you know, because of the kind of chemicals that they're using - it's not just brine. A lot of people think it's just brine that they're pumping out. There are a ton of other lethal chemicals that are put in there that if they get out, you know, could be deadly not only to, you know, wildlife, but also to people.

I'm concerned because of the coal mines we have under here. You know, you create any kind of disturbance in those mines, those columns that are holding the - the mines up could - you know, could fracture and we're going to have more subsidence issues. The spills that could possibly happen and one of the worst things, you know, is possibility of accidents, you know, the trucks hauling the waste and if two trucks should collide.

So I think there's so many reasons to not have this well put in here that it should be obvious that, you know, the - the ignorance part is going to be gone. And we should really decide that this is a bad idea, so hopefully the council and EPA will oppose this. Thank you very much.

CHAIR: Thank you. Charity Fleemer.

Charity Fleemer.

Okay.

2 Douglas Shields.

MR. SHIELDS: Let me get the submissions to all of you. I came prepared. Thank you gentlemen and here you go. Good day everybody, distinguished panel. My name is Douglas Shields. I am the Western Pennsylvania outreach liaison for Food and Water Watch.

Food and Water Watch is a non-profit consumer advocacy organization with offices throughout the United States and 38,691 members and supporters here in Pennsylvania. And we respectfully submit our comments and urge the U.S. Environmental Protection Agency Region 3 to deny Penneco Environmental Solutions, LLC, the underground injection control UIC class 2D permit it seeks from Plum Borough in Allegheny County, Pennsylvania.

Let me get my notes here. I - I am not going to read all my testimony. I'll respect the time, but I will give you a little bit of our top notes on this. The proposed seismic - I'm sorry. The proposed underground injection well unnecessarily exposes as Plum Borough residents to seismic activity, groundwater contamination, and other associated public health and environmental risks that would threaten or

diminish the quality of life for Plum Borough's more than 27,000 residents.

Penneco, the applicant, has a very

poor compliance record. They get from - they get

permits, they violate the provisions of permits, they

pay fines, they move on and do it again. Since 2005,

Penneco Oil, and affiliated Penneco Environmental

Solutions, has been fined \$123,900 by the Pennsylvania

Department of Environmental Protection, \$87,000 for

environmental health and safety violations, and

\$36,000 for administrative violations.

Furthermore drilling a well for disposal of hydraulic fracturing fluids, wastewater would also likely increase truck traffic. Not in your purview. Unfortunately the citizenry here see this as en toto and EPA is not going to consider truck traffic.

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However, it is important to know that truck - truck accidents is the leading cause of death and accidents in the oil and gas industry in the United States. And if you like, I can provide you data. It shows a direct corollary between increased drilling activity and increased automobile accidents involved with trucks that are working in the oil and gas industry.

And while that is not germane to your
permit process, I think that is a - a gross - it's
kind of myopic. You can't just look at one piece of
this to make a decision. You have to look at it in
total. Injecting toxic wastewater underground induces
seismic activity even in typically non-seismic areas.
I read the application.

never been a recorded seismic event in Allegheny
County or near this area. That is true, but they
never had an injection well here either. That was
exactly what was stated in the reports from the
Youngstown, Ohio injection well that had an unusually
high amount of seismic activity that culminated in a
quake.

And that is in the record there as well. Youngstown, Ohio never was the source of an earthquake. Maybe they felt the tremor from up in the Cleveland area or something like that, but it was never a source until an injection well was there. So I take great issue with that statement being in the application, because it infers to the public that reads this is like, oh, this is okay.

due diligence. We asked about injection wells. Oh,

don't worry about it we were told by state DEP people.

This is not a good place for injection wells. The

geology of Pennsylvania is not conducive for injection

wells. That's why we're going to drill them over in

Ohio and they did, and they had earthquakes in Ohio where they never had earthquakes before.

Colorado is another example that demonstrates seismic risks of underground injection wells and - and causing earthquakes. And in March of 1962, the United States Army at the Rocky Mountain Arsenal decided, hey, we don't know what to do with all this stuff. Let's stick it in the ground.

Good idea except from April '62 to
August '67, there were more than 1,500 earthquakes
rumbling through the Denver region and subsided once
that practice stopped in the November '67 and
basically stopped in the 1980s. So to discount
seismic activity simply because it never happened here
before is not certainly any kind of scientific basis
to move forward to do this.

Oklahoma. Again, a friendly oil and gas state, a production state, has had legendary amounts. In '09, the state had 20 of the 3.0 magnitude or greater earthquakes and it has been since

- 1 2015 where both injection and fracking has occurred.
- 2 That number exploded 45 fold to 902 from 2009 to 2014
- 3 as earthquake activity increased drastically.
- 4 | Wastewater injection volumes grew by about 43 percent.
- 5 To suggest there is not a corollary between injection
- 6 | wells and seismic activity is just isn't true and it's
- 7 | not possible based on the science.
- 8 Going back to Youngstown where
- 9 earthquakes never happened before, it had its share of
- 10 induced seismic activity and in 2011 they had a
- 11 recorded earthquake of I think it was about four on
- 12 the Richter scale. I got a call from my
- 13 brother-in-law who lives there on New Year's Eve to
- 14 tell me he had just been knocked to the floor of his
- 15 home.
- 16 Pennsylvania and fracking induce
- 17 | seismicity. Although fracking related earthquake
- 18 activity has thus far been minor compared to other
- 19 states, but it has not been immune. In February 2017,
- 20 Pennsylvania regulators confirmed the first fracking
- 21 related earthquakes in the state, which trembled
- 22 across Lawrence County up to the northeast. They were
- 23 introduced from the fracking process itself, not the
- 24 injection well.
- The fracking induced earthquakes are

smaller and less commonly felt. The UIC wells are
going to cause much more of a jolt based on the
volumes compared to what was commonly used in a
refractory shale for extraction of gas. Plus you also
have toxic water. They say it's bromide. Bromide is
a nice word. It sounds pretty salty, or brine or, you

Right?

know, brine - pickles in brine.

Well, this brine also there's a naturally occurring radioactive material that's coming back with this brine that's being taken here.

Radioactive. And it's aggregated. It's not so bad when it's spread out. My old man used to say, a little bit in a lot of places never hurt anyway.

And so naturally occurring radioactive material is there, but it's now being concentrated in the brine and that is going to be a problem particularly for the truck drivers and other things that carry that concentration material and into the injection well and the pipes themselves may, in fact, become radioactive over time because of its constant exposure to such large volumes.

So we also have those risks presented.

The groundwater resources, which as some have already testified and they're in fear of their well. And

let's not discount fear. Stress in human beings
causes disease. That's a fact and you're going to put
- by putting this well there you are also --- maybe
this isn't in your purview either, but you are going
to inject a tremendous amount of stress upon people
that live here, particularly those in close proximity
from fear of something happening, from the noise, from
the constant truck traffic going by. All those things
have an impact and they need to be considered.

The proposed UIC well conceivably could inject unknown toxics, it could migrate and compromise the abandoned wells and coal mines, ultimately under the ground table, and there are 2,347 conventional active, inactive, abandoned, plugged and orphaned wells in Allegheny County nearly 400 of these wells. 300 of them - 387 are right here in Plum Borough.

About 13 wells for every acre. The density of existing wells makes it easier for any wastewater injections to migrate into wells that could provide conduit and potentially contaminate groundwater systems. I ask the EPA to begin to look at this in a manner fitting to this community.

There is more than just sticking it to a pipe in a hole in the ground and getting rid of

1 something that you cannot get rid of anywhere else.

2 This liquid cannot be cleansed. It's the holy grail

3 of the industry. If I come up with a patent to figure

4 out to get fresh water back out of this and remove the

5 - the contaminants in that water, I'd be a billionaire

6 overnight, but they can't. And they had to truck it

7 out to Ohio for years.

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They dumped it in our rivers which caused our rate base in our water systems to deal with trihalomethanes because the bromide levels in the rivers are mixing with the chlorine and causing trihalomethane formation, which is a known carcinogen that is directly linked with bladder cancer. So where are we going to put it now?

We couldn't put it in the river.

16 Ohio's not crazy about it anymore, so let's put it in

17 | injection wells in Pennsylvania, the place that I was

18 | told that the geology of Pennsylvania is not conducive

19 to injection wells. Thank you for your time. I

20 appreciate - and I have some sign up sheets in the

21 back if anybody wants to get information from us about

22 | this issue, please do so.

CHAIR: Judy Sadowsky.

MS. SADOWSKY: I'll submit my comments

25 | in writing.

1 <u>CHAIR:</u> Writing? Dave Smith.

MR. SMITH: Good evening. Dave

3 Smith. That's S-M-I-T-H. I am the outreach

4 | coordinator for Clean Air Council in Southwest

5 Pennsylvania. We are concerned that this has not been

6 approached as well as it could have with the public,

7 even though there's a lot of people here.

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There's a lot of us that can communicate what's going on with it. We think this is a rush - rushed efforts. The public needs more research done that will be - that they may be sufficiently informed particularly for those to know how close this well is to children and to the elderly as it will impact health - the health of those people.

Experts say that underground injection wells risk causing earthquakes because of the large volumes of water being pumped into them. Earlier this year Pennsylvania's DEP confirmed the first gas drilling related earthquakes in the Commonwealth. Scientific evidence links injection wells and seismic activity.

Oklahoma state with intense oil and gas activity and more than 3,000 wells experienced some 7,000 earthquakes in 2015. Nearly two dozen public scientific reports have concluded that disposal

- 1 | wells and earthquakes are most likely connected. The
- 2 27,000 residents of Plum will be at risk. It will
- 3 bring a dirty industry in the doorstep of Plum
- 4 residents who will be subject to increased traffic and
- 5 the risks of earthquakes and water well contamination.
- 6 Pennsylvanians are tired of this effort and fighting
- 7 this effort.
- 8 The EPA needs to step up and honor its
- 9 citizens and their concerns and look after their
- 10 health. If the injection well is approved, it must be
- 11 strictly monitored to address concerns about potential
- 12 | earthquakes. DEP officials have attached conditions
- 13 to the 11 injection well permits approved so far in
- 14 the state.
- These conditions require the operator
- 16 to install seismic detection equipment to ensure that
- 17 data gathering is reported in a timely manner. These
- 18 | conditions were attached to injection wells and Elk
- 19 and Indiana County approved DEP in March.
- 20 | Environmentalists warn the risk of seismic activity
- 21 | will only increase as Pennsylvania natural gas
- 22 | industry grows.
- There are more jobs in healthy fuels
- 24 and healthy clean air activities going on now than
- 25 there are fossil fuels. We need to be making that

1 switch. We need our EPA to stand behind that. Thank 2 you very much.

3 CHAIR: Thank you. Matthew Robinson.

MR. ROBINSON: My questions were

5 | already addressed.

2.4

6 CHAIR: Okay.

Thank you. Patricia Hagaman.

MS. HAGAMAN: Patricia Hagaman, H-A-G-A-M-A-N. Sorry. My question or suggestion is when I was reading the class one and class two injection information, the chemical cocktail that is being injected doesn't have a recipe. The men who created the ones who do it on site admit on YouTube and any videos that they add whatever they need at the time.

Antifreeze is extremely toxic to animals, to the wildlife, to - to humans, so if there's a blowout and it mixes with the water, there is no amount of dilution that's going to fix this. And it - it seems like it's been mentioned already that it's being rushed. This is not the area that this should be done in.

To be totally undermined - I have maps here for anyone who would like to have a map of the - the mines that are underneath Plum Borough and the - also a paper on the amount of injection wells and the

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1 certification of those wells. I'm just saying why is 2 it not class one and why is it class two?
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I know you can't answer right now, but class one is chemical radioactive put into the ground. And there are large stipulation about seismic activity, geologic structure that's not in the class two. That's really my question. Thank you very much. This is the amount of wells. This is the maps if

10 CHAIR: I'd like a copy of that.

MS. HAGAMAN: Yes. And this is what I
was looking at for the class one certification from
your site. It's from your site. And then this is the
class one. It's class one, but it should be class one
as far as I'm concerned.

16 <u>CHAIR:</u> You can keep the extra copies.

17 | I just need -

anybody would like -.

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MS. HAGAMAN: Oh, okay.

19 <u>CHAIR:</u> - one today.

MS. HAGAMAN: All right.

21 <u>CHAIR:</u> Thank you. Dee Frederick?

MS. FREDERICK: Most of my concerns

23 have been addressed already, but I will be sending you

24 a letter.

25 <u>CHAIR:</u> Okay.

Jim Pattock.

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in the -.

2 MR. PATTOCK: Jim Pattock,

3 P-A-T-T-O-C-K. I'm in the same boat as Frank is. I'm

4 | right below the well. I'm right below the well. I

5 live right below. They're already there Monday

6 | messing with the well, you know. It's - you didn't

7 know. They were already there Monday messing with the

8 well. There were pump trucks there.

They were pumping some chemicals down, they had a water tank truck there. The noise, I don't think you realize how much noise is going to be incurred because it's - it's in the valley. You're going to have a pumper running all the time. You're probably going to have a big ass tank up there, refrack tanks or, you know, big tanks like what's down

So the truck traffic is going to be it'll start out slow. It'll pick up once - once once the price will be below Ohio, which is roughly \$6
a barrel plus trucking. So once they beat that we're
going to have so much truck traffic. Of course, you
got school bus traffic, we have residential traffic.
The road is not big enough.

Okay?

We just - we just got rid of Savage

and all this other stuff. We don't need any more traffic. Just leave it go away. Plum has already enough problems with mine fires, abandoned mines, just whatever. We don't need another problem. And I am in the oil and gas industry. I called every one of my friends. Not one of them, not one of them said this is a good thing.

They said, go to the meeting, try to get rid of it. Penneco been up there drilling for a while. They got, I don't know, countless wells up there. I live in Plum. I got a stream. My pond is absolutely full of silts. Call them, can't get nothing done, you know. They're not an up and up company. They got dumps in Upper Burrell everywhere, you know.

It's - you just can't let it happen because it's not going to be monitored right because it's back in the woods.

19 Okay?

Plum's not going - we're growing. We don't need this here. We don't need to dump underneath our community. It can go to Indiana, it can go to ten other sites. It can go to Ohio. It doesn't need to go here, you know. I work with manufactured gas plants. I clean up all the time.

1 Back in 1800, 1900s, I clean it up. We don't - my

2 kids and grandkids don't need to be messing with this

- 3 later.
- It doesn't need not need to happen
- 5 and I got a lot of technical questions, which none of
- 6 these guys are going to answer, so no use in asking
- $7\mid$ them. But it doesn't need to be here. It can be
- 8 | someplace else. There's too many people in this
- 9 community. The liability outweighs what they're going
- 10 to make on this.
- 11 Okay.
- 12 Thank you.
- 13 CHAIR: Gillian Graver.
- 14 MR. UHLER: Excuse me. I put two
- 15 | calls into Mr. Skelireo, the project manager. I'm
- 16 from Upper Burrell Township, I'm a supervisor, and I
- 17 | have no return phone calls. I put my I've submitted
- 18 the letters to them and I have no response.
- 19 CHAIR: Sir, if you want to come up on
- 20 the record for that?
- 21 MR. UHLER: I'm okay. I just wanted
- 22 to say these people will not get back with you for
- 23 some reason. The people need to come together.
- 24 CHAIR: Sir, sir, the stenographer
- 25 | needs a name, please. No, just your name.

MR. UHLER: My name's Al Uhler. I'm

- 2 | from Upper Burrell Township for 53 years. Supervisor
- 3 coming up on 6 years. I'm running for reelection, but
- 4 people need to know that these the response I
- 5 submitted a letter. I've made two calls into Mr.
- 6 Skelireo and not one return phone call.
- 7 If there was a problem that happened,
- 8 | who would we get in touch with? Who's responsible?
- 9 We need answers. I don't want this coming into my
- 10 township, the same way it's going to be coming in
- 11 Plum. The people need to stick together. We have
- 12 jobs to do.
- My name's Allen Uhler,
- 14 A-L-L-E-N. Uhler, U-H-L-E-R. The letter I submitted
- 15 pretty much answers, but there's no questions coming
- 16 back. These guys got jobs to do. These are very well
- 17 paid. Where do you get answers? A lot of people here
- 18 | they have questions.
- 19 You know, this is a shame. I grew up
- 20 | 53 years to have a disgrace that will go in there's
- 21 a lot of money going around here. People want
- 22 answers. You know, this is a shame. I'd like to know
- 23 what you're thinking.
- 24 CHAIR: At the end we will have time
- 25 | for questions. Ma'am, if you can spell your name

1 first and last for the stenographer.

MS. GRAVER: My name is Gillian

Graver, G-I-L-L-I-A-N. Graver, G-R-A-V-E-R. And I am

the executive director of a really small organization

in Penn Township, actually Penn Trafford Protectancy.

And we're here with people from Upper Burrell as you can see, and people from Plum, and people from Penn Township and people from Monroeville and others because we would like to let EPA know that this permanent proposal for an injection well in Plum Borough falls recklessly short of considering the safety and the well being of resident's health and protection for private property.

I'm asking today for the EPA to give citizens more time to do their evaluation and not take Penneco's word for it. We do not have enough information to say definitively that this injection well will not harm our community and others and the risks have not been properly analyzed.

I would like the opportunity to hire an expert in hydrogeology and do a risk assessment to evaluate this area, the appropriateness of the area of review, the potential hazard to the community. I understand that one - one quarter mile is the area of review, which is an arbitrary number.

1 And with this and all the other

- 2 unknowns, like uncertainty of well casings, cement
- 3 | integrity, no evaluation of coal mines and how they
- 4 | will interact with proposed activity, improper review
- 5 of the geology of the upper combining layer,
- 6 Riddlesburg shale, and potential for earthquakes.
- 7 \mid It's unreasonable for the EPA to approve this permit
- 8 at this time.
- 9 Give the citizens what they want, more
- 10 time to review, do a risk assessment of your own, and
- 11 don't just take their word for it.
- 12 CHAIR: Beth Jamison. If you can
- 13 spell your name for the stenographer.
- MS. JAMISON: Beth Jamison,
- 15 J-A-M-I-S-O-N. I live in Jeanette, Pennsylvania and
- 16 | although louder?
- 17 AUDIENCE MEMBER: Yes, louder.
- MS. JAMISON: Okay.
- 19 Although not a resident I I live in
- 20 Jeanette, Pennsylvania and I'm here to support the
- 21 people in Plum. Although I'm not a resident, I
- 22 believe an important issue like an injection well
- 23 affects all of our collective communities.
- Mr. Bennett, when you began this
- 25 | evening you gave a brief overview of I can't

1 remember the letters that you called it, but I believe 2 it's what you're looking for in a permit.

Correct?

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CHAIR: Yes.

MS. JAMISON: And it seemed like it was since June of 1984. So I guess one of my questions would be, have you updated what you're requiring of companies for an injection well, especially since unconventional gas well development was not known back in 1984.

Mr. Shields talked about the naturally occurring radioactive materials. What happens now with unconventional gas well development is called T norm, technologically enhanced. And the technologically enhanced natural occurring radioactive materials.

So we know now that the DEP requires a radioactive handling plan to process waste at the unconventional gas well site. So now you have the produced fluids definitely including radioactive waste, so I'm not sure now what you require for the injection wells that have to do with radioactive waste. Another point that I wanted to bring up are the fractures. The maximum injection pressure has been calculated to prevent the initiation of new or

existing fractures.

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So from an article that was already mentioned this evening it says, it says according to data by states to the EPA, deep well operators have been caught exceeding injection pressure limits more than 1,100 times from 2008 to 2012. So, yes, there are going to be some violations. You're going to have these people who want to hurry up, inject the stuff down into the wells so they can go back and get more.

So the pressure of the injection can accidentally shatter the rock that's meant to contain it. So then you have new fractures, ones that you guys are familiar with.

your own final report on hydraulic fracturing and its potential on drinking water resources. On page 26 and 27 you write data on the relative location of induced fractures to underground drinking water resources are generally not available because fracture networks are infrequently mapped. So without this data, you're unable to determine with certainly where the fractures have reached underground drinking water resources.

Okay.

This is a heavy risk to bare, that the citizens and residents have to bear. One thing that

- I've learned in going to some meetings about the
 unconventional gas well development is this. There's
 involuntary risks and voluntary risks. I know that
 there are risks involved in driving, yet I chose to
 get a driver's license so I have the freedom to
- 5 get a driver's license so I have the freedom to 6 travel.
- If I book a flight, I know the risks

 8 of getting on an airplane, but I know it benefits me

 9 if I want to go visit my children in another state or

 10 another country. Injection wells are not voluntary

 11 risks. They're involuntary risks for the people.

 12 They don't want them, they didn't ask for them.

 13 There's no benefit to them, only benefit to the gas
- CHAIR: Nicole Ruscitto. Nicole, if
 you could spell your last name for the stenographer,
 please.

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companies. Thank you.

- MS. RUSCITTO: Sure. I'm Nicole
 Ruscitto, R-U-S-C-I-T-T-O. I live in Jefferson Hills.
 I don't belong to a formal organization. I'm just
 here to support the people of Plum and and I'm an
 advocate for doing the right thing, and this is not
 the right thing.
- 24 Most of my sentiments were expressed 25 here already this evening by the people, but I just

1 | wanted to mention that I read an article in Rolling

- 2 Stone magazine, doing some research on them. And it
- 3 | stated that America pulled 189 billion gallons of
- 4 frack wastewater into the portals of the earth.
- 5 | That's the equivalent of letting Niagara Falls gush
- 6 directly onto the earth for 14 and a half days.
- 7 | That's disturbing.
- 8 The frack waters continuously recycle
- 9 until it gets to a point where it becomes so toxic it
- 10 | can't be used by industry anymore. How toxic is this
- 11 | water become if the industry can't use it anymore?
- 12 And this is what you want to inject into these
- 13 people's community.
- 14 You spoke earlier in the meeting about
- 15 regulations, that you regulate and monitor this, but I
- 16 only ask is that you could provide the people of Plum
- 17 and the council of Plum with a list of all the
- 18 violations that have occurred during this process.
- 19 | Thank you.
- 20 CHAIR: Robert Ressler.
- 21 MR. RESSLER: This is my street out
- 22 here. I'm 52.
- 23 CHAIR: Robert, you need to face the
- 24 | stenographer. Can you spell your last name?
- MR. RESSLER: It's Robert R-E, S as in

Sam, S as in Sam, L-E-R. My high school diploma from

1984 says Robert Essler. Like I was saying, this is

my street. But it's Texas Road I grew up on. And I

did mention that I graduated from high school in 1984.

So if you went to school with me, please see me

6 afterwards. I've been gone to the military for 20 years and retired.

And I was really happy to find a place in Plum that I could afford. And people were hanging stuff on my door when I was off at work saying something about a well being drilled and heard something on the radio. I come up here to get information, so if you can just imagine I come up here and got a lot of information.

I sure hope that we give some more thought before this goes through. You know, would you trade places with me? Would you come live at my house and drink my water? Because that's just it, we only have a water well. My five year old and I say we get free water from the sky and, you know, city water, I don't have that. But now I'm being told that maybe there's going to be an earthquake and my house is going to cave in? I don't know. I'm just saying, would you trade places with me? Can I come live in your house with all the stuff I heard and the

- 1 | information?
- 2 CHAIR: I can't read this, but it
- 3 looks like the last name Popovich. Could you spell
- 4 | your first and last name for the stenographer?
- 5 MR. POPOVICH: My name is Thaddeus
- 6 Popovich. There aren't too many of us with that name.
- $7 \mid T-H-A-D-D-E-U-S$. Popovich is
- 8 P-O-P-O-V-I-C-H. I grew up in Beaver County, Beaver
- 9 Falls, PA. He made it, I'm still trying. Currently I
- 10 live in the borough of Franklin Park, 33 miles from
- 11 here in the North Hills. Still Allegheny County.
- So why am I here and why should I
- 13 care? Mayor Hrivnak, I believe I have his name right,
- 14 | mentioned that groundwater contamination from the
- 15 proposed injection well could lead into nearby
- 16 Allegheny River. And if I got my geography right, the
- 17 | Allegheny River joins the Mon to form the Ohio River
- 18 and by the way, currently designated as the dirtiest
- 19 river in the country.
- The first public water intake on the
- 21 Ohio belongs to the Westview Water Authority.
- 22 | Westview Water distributes water to the communities in
- 23 Allegheny County north of the Ohio, basically half of
- 24 Allegheny County up to Butler County line. I am a
- 25 customer of Westview Water, so what happens here in

Plum Borough could happen to me and affect me.

2 That's connecting the dots. These

3 | injection wells will aid and abet the fracking

4 | industry in Pennsylvania. A pox on our state I

5 | believe. I've lived for many years in New York State

6 where fracking has been banned and my friends there

7 look in wonderment and what is going on in

B Pennsylvania.

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They see Pennsylvania as guinea pigs for a rabaceous industry and greedy politicians. I agree. Meanwhile - and, of course, our environmental and health are at risk as part of this guinea pig issue that's going on right now. Meanwhile there is a call for our region to become a fossil fuel energy hub, mainly to build huge chemical plants owned by foreign companies like Shell to convert wet gas to pellets. We need more plastics.

Right?

There'll be tons of air and water pollution similar to the cancer allied plants in lower Mississippi between Baton Rouge and New Orleans. If you connect the dots again there will be another increasing need for injection wells because of the needs of the fracking and chemical industries. We don't want it here, we don't want it anywhere. Thank

1 you.

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2 CHAIR: Elisa Beck.

MR. BOWERSOX: Can I ask a question?

4 | I know it's not my turn, but we have to ---.

5 CHAIR: Yeah. What's your name, sir?

6 Come on up.

MR. BOWERSOX: All right.

CHAIR: What's your name, sir?

MR. BOWERSOX: My name's Mike

10 Bowersox. That's B-O-W-E-R, S as in Sierra - oh, I'm

11 sorry. Mike Bowersox, B-O-W-E-R-S-O-X, and this is my

12 | son Heath. So we're new to Plum Borough. We moved

13 here just a year ago now in July, so this is a little

14 bit different appeal.

There's a whole bunch of seismic

16 formation that I've been researching as well as other

17 people in - as well as other people have been

18 researching about the seismic activity about the

19 formations, and the fractures, and the wastewater and

20 water contamination, which is all important. And I

21 know that's what you all study and that's what you all

22 make sure is safe for us.

There's gap concerns that - when other

24 people are saying as well as we moved out here to

25 raise him in this community, in a more rural setting.

And it is scary to think all the possibilities to do with this. We either risk raising him around it or we try to move again, and that's a big thing. We did it once with - when he was six months, seven months old. That was tough enough, you know, and we don't want to do that. I think so along with that kind of emotional side of this and emotional plead to raise a family out here, there's also more of a scientific concerns that I have about the too low permeability shale formations that exist.

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names off my top of my head. Riceville - Riceville shale is on the upper boundary and Riceville Oswallus sic) shale is on the bottom, and another one is on the top. And that's what sandwiches this Murrysville sandstone where it's supposed to be like a wet sponge that sucks up all the water. What happens when you put too much pressure between two very low permeable places?

The pressure's got to go somewhere so the gentleman that lives at the bottom of the hill, he either has gas blowouts. I mean, I'm not a scientist. I don't work for the EPA. You have gas blowouts, you have runoff, those kind of things that we're worried about. I'm worried about for him, you know. Probably

won't affect me in my lifetime, but it could him. So that's all I wanted to say. Sorry for going in front of you.

CHAIR: Thank you.

MS. BECK: I gladly deferred to a man

with a young boy. My name is Elisa Beck,
E-L-I-S-A. My last name is B-E-C-K. I'm from
Monroeville, Pennsylvania, a neighboring community.
There is as 200 mile square area in the eastern suburb
that is being now invaded by fracking. I'm a neuro
developmental optometrist.

The shale plant has been in Western Pennsylvania since 2006. I am seeing patients that are that little boy's age and seeing patients that are very young. I am seeing patients that are ten years old that have been affected by all of the different things not yet an injection well. I'm the founder of Sustain Monroeville and I'd like to read to you what I'm going to provide to you from the Constitution of the Commonwealth of Pennsylvania Article One Declaration of Rights.

Natural resources public and state section 27. The people have a right to clean air, pure water, and to the preservation of the natural, scenic, historic and aesthetic values of the

environment. People's public natural resources of the common property of all the people including generations yet to come, including people in the

eastern part of the state.

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I'm now going to read from the front part of shale field stories published by Friends of the Harm in 2015. It says in here that there are -were 5,000 fracking wells - not injection wells, towers, unconventional wells drilled around Pennsylvania. It is now 2017. There are now 10,000 wells surrounding us. This testimonial is from Jill Ontarus Hunkler.

I'm just reading excerpts that I underlined so when I turn it in it can be part of my testimony. Fracking infrastructure and injection well. The fracking infrastructure including pipeline, compressor and transfer station began developing rapidly. Injection wells due to radioactive and chemically laden waste were among the first secretive projects to be completed.

And I learned tonight that this well that we are supposedly talking about has already been injected by someone from - from the gas industry over here who lives right near it. What is going on in Plum Borough? I'd ask everybody to stay here

afterwards and let's get together.

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2 We are collaborating Sustain 3 Monroeville, Penn Trafford, Protect PA. We will 4 collaborate with everybody here to keep the momentum 5 going and expand it. None of us really knew about this meeting. It's miraculous that there's at least 6 200 people here. The people of Plum Borough were given use of this room and I understand - and you can correct me if I'm wrong, but they didn't know why this 10 room was being rented out tonight. This is 11 unacceptable.

And lastly I believe that what's going on here tonight, what's going on in Monroeville,

Pennsylvania where we are trying to get an ordinance in place for seismic testing and we were told it wasn't going to happen until November.

And I was out there in front of a pumper truck on Monday, this past Monday. I believe that this is going to lead to the banning of fracking in the State of Pennsylvania. So finally I want to thank you for being here because you are bringing not just Plum together, but Monroeville, Upper Burrell, Lower Burrell, Murrysville, Penn Hills and Trafford, Franklin Park, -

AUDIENCE MEMBER: Allegheny Township.

1 MS. BECK: - Allegheny Township,

2 | Jefferson Hills, Oakmont, Washington Township,

3 | Westmoreland County and Allegheny County. I think you

4 quys have crossed a line. Thank you for being here.

5 And I hope all of you read this. This is Shale field

6 story. This is really important.

CHAIR: Thank you.

MS. BECK: Let me just dog ear that

9 page because I underlined - yeah, let just dog ear it

10 and then you'll know which page it is.

CHAIR: Thank you.

MS. BECK: Uh-huh (yes).

13 CHAIR: Ron Slabe. Spell your name,

14 please.

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11

MR. SLABE: S-L-A-B-E. My name is Ron

16 | Slabe. I'm a citizen of neighboring Upper Burrell and

17 also spokesperson for our organization Upper Burrell

18 | Citizens Against Marcellus Pollution. For many years

19 we have been told that our area is unsuited for

20 injection wells. Our geology not adequate or safe,

21 but now since Ohio is supposed to be phasing out its

22 | injection well program, our area is being considered

23 and actively sought even though our geology is known

24 to be uncertain at best.

25 A public report cites the fact that

1 injection wells are notorious - notorious for their

2 repeated leaking. This leakage is known to surface

3 and seep into shallow aquifers and our drinking water.

4 | And what is leaking into our aquifers are toxic

5 carcinogen wastes such as strontium and arsenic as

6 | well as other radioactive materials that are deposited

7 | into an injection well.

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So many of these wells are leaking that scientists have lost count, showing that science has not kept pace with the reality of injection wells and oversight is not working. Pressure, temperature and fractures change the underground system allowing waste to flow freely or migrate and thus contaminate groundwater.

This underground migration can travel long distances undetected and hidden from view, and once contamination of the aquifer occurs, there is no way of reversing the process. The contamination is permanent. Keeping count of waste migration has become a major problem, but in 2000 alone, more than 7,500 violations occurred and 2,300 wells failed. Excessive pressure used by well operators has been another source of litigation. And in 2008, for example, some 1,100 violations occurred.

Thus the inability to assure well

integrity and migration of toxic waste, the wrong underground geology, as well as lack of regulatory enforcement, all call for rejecting the permitting of any injection wells for this area. Finally a summary of my points for this 3A well. Cementing of a well casing for 3A and other wells in the AR - AOR are unknown and opening the question of well integrity.

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the upper confining layer of the Riddlesburg shale as a guard against leakage. There are other wells and the coalmines just outside the AOR and has - have not been taken into account and should be. This proposed area is riddled with abandoned mines and mine subsidence is a problem that has not been taken into account. Puketa Creek is just outside the AOR.

Should spill or migration occur, the water supply for countless thousands would be in jeopardy since the Puketa empties into the Allegheny River. Finally earthquakes are a real possibility since the area is part of the Blairsville Broad Top line, where quakes have occurred in Ohio and Lawrence County, PA. In conclusion, injection wells are a source of toxic water contamination and a major risk to our drinking water.

Our geology is just not made for this

type of waste disposal and permitting these wells in our area raises the risk of earthquakes. Because of these factors, I urge you to reject any and all

4 permitting of such wells for this area. Thank you.

5 <u>CHAIR:</u> Patricia Emich. Spell your 6 name for the stenographer, please.

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MS. EMICH: My name is Patricia Emich, E-M-I-C-H. I'm a member of Protect PT, which the PT stands for Penn Trafford. We're a small organization. We like to call ourselves community minded citizens and I'm not here to really talk about anything that anybody else has already talked about.

Mr. Shields kind of stole my thunder with all the earthquake information that he gave you, but I do want to point out one thing and that is this is the EPA. And I'm sure you know who your boss is. I don't know if everybody else here knows who their boss is, but their boss is a man named Scott Pruitt. And he is determined to tear you guys apart and to do away with the EPA, and we're here, all these people are here to ask you to stand up and be very - very civil minded.

I know how difficult that can be especially when Scott Pruitt's boss is Mr. Trump and that can be a very difficult man to stand up against.

1 But we're all here to say we're going to stand up

- 2 against it and we're going to oppose this injection
- 3 | well, and we're going to support the citizens of Plum
- 4 because we know that within Penn Trafford there are
- 5 ten wells right now being proposed for our little
- 6 community and more to come.
- 7 So I just ask that everybody go out to
- 8 | the polls and and vote and help these gentlemen to
- 9 | get a better boss. Thank you.
- 10 CHAIR: Angelica McKee.
- 11 UNIDENTIFIED SPEAKER: Speak up.
- 12 CHAIR: Agilica McKee. I can't read
- 13 the writing. U-C-K-E-E is the last name?
- 14 UNIDENTIFIED SPEAKER: Valerie Yockey?
- 15 CHAIR: Agilica it says.
- MR. MCKEE: Agilica McKee.
- 17 CHAIR: McKee.
- 18 Okay.
- 19 That's an M.
- MS. MCKEE: Hi. My name is Agilica
- 21 McKee. I live at the Highlands.
- 22 UNIDENTIFIED SPEAKER: Could you spell
- 23 | your name?
- MS. MCKEE: M-C-K-E-E. And one of my
- 25 concerns have been addressed here, but there's only

1 one concern for now and it - it has to do with the

- 2 regulations. And I know that EPA is supposed to be
- 3 regulating these injection wells. And because we all
- 4 know our President's intentions to cut the budget to
- 5 the EPA, who is going to be doing that job? I'm
- 6 sorry.
- 7 You guys are the Environmental
- 8 Protection Agency and start doing your job and
- 9 protecting the environment.
- 10 CHAIR: Skip Drumheller.
- MR. DRUMHELLER: We'll see if I can
- 12 speak loud enough.
- 13 Okay?
- 14 My name is Oliver Drumheller. I'm a
- 15 former school board member.
- 16 CHAIR: Spell -.
- 17 MR. DRUMHELLER: You have that
- 18 information. You do have it.
- 19 Okay.
- There we go. I'm a former school
- 21 board member for Gateway, which is in Monroeville and
- 22 | Pitcairn, adjoining Plum. I'm speaking tonight
- 23 because of my opposition, strong opposition, to
- 24 approval of this well process not only here but also
- 25 across the state. The reasons are pretty self-

evident.

There are health problems, environmental degradation and quality of life issues that need to be considered. The injection of this wastewater and its contents adversely affect our drinking source downstream from the site. Water is essential for life and must be protected. Safety testing and monitoring needs to be done by the EPA or other government agencies to ensure there is no bias due to corporate influence.

Self-testing and reported must not take place of public interest control. Injection wells near schools negatively affects children's health, their growth and welfare, also their behavior. Some tests - I'm sorry. Excuse me. As children are our future, their welfare must be ensured. Wastewater injection causes increased seismic activity, as we've heard before.

I was working as a consultant in 2011 in a downtown high rise and the - we had an earthquake in downtown Pittsburgh. I felt it. My colleague was from San Diego. He knew exactly what it was and you know what he did? He picked up his stuff, went to the elevator, went down and flew back home. It's true. It's very, very dangerous.

A question for everyone. According to

- 2 | the United States geologic survey, which is part of
- 3 | the Department of Interior, the area with the most
- 4 active seismic activity in our country is in Texas and
- 5 Oklahoma, not on our west coast. This is due to waste
- 6 injection wells and has to be stopped. Damage to
- 7 | infrastructure from voluminous waste material local -
- 8 is going to damage local roads and bridges and go to
- 9 government entities, the local government entities for
- 10 repair.
- This is an example of privatization
- 12 for profit and socializing the costs of this risky and
- 13 bad behavior. The proposed Plum injection well is
- 14 also near Boyce Park, which is part of Allegheny
- 15 County that is used by citizens for recreation and
- 16 enjoyment. My wife and our family and I use it
- 17 | regularly.
- 18 Damage to the park would destroy the
- 19 quality of life that we have in the eastern suburbs.
- 20 Please consider these points and do not approve this
- 21 application. Thank you.
- 22 CHAIR: Elizabeth Rodstec. Ray
- 23 Brenner
- MR. BRENNER: My name is Ray Brenner.
- 25 | I'm a lifelong resident of Plum Borough 46 years.

1 | Many of my concerns have already been addressed by

- 2 people up here. One question I have is, how does this
- 3 benefit our community? How does it benefit it? I've
- 4 heard nothing but potential downside and risks.
- 5 Secondly, is there a need for this
- 6 | well? Is there truly a need? Are there not residual
- 7 | hazards, waste disposal facilities in Western
- 8 | Pennsylvania, Ohio, Michigan, Kentucky, West Virginia
- 9 that can take and treat properly treat this
- 10 material? I know there are. I work in this industry.
- 11 I closely work with some of these facilities that
- 12 accept and treat this material.
- 13 Why does it have to go through an
- 14 | injection well when there are viable options for
- 15 proper disposal, treatment and disposal? Proper
- 16 | treatment and disposal? Like my dad told me you don't
- 17 know what the answer to that question is? Ninety-nine
- 18 (99) of 100 questions comes through money. Who does it
- 19 benefit? Who benefits from that?
- 20 AUDIENCE MEMBER: Not us.
- 21 MR. BRENNER: For not having to pay
- 22 | hazardous waste or residual waste disposal facility to
- 23 treat and dispose of it.
- AUDIENCE MEMBER: The gas companies
- 25 pass it on anyway.

MR. BRENNER: There is no - there's no
benefit to our - to our community. None. Unless we
tax the bejesus out of this. Unless we put a
ridiculous per gallon tax on this - on this - on this
fluid to make it economically unviable to put into
this well, there is no upside. There's no upside.

I'm trying to see both sides of the picture and the bad side, the downside greatly outweighs the upside for our community.

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And another thing I wanted to present is a handful of years ago - I think the - one of the gentlemen referenced, we felt an earthquake here in Western Pennsylvania. That earthquake originated in - correct me if I'm wrong.

I think Roanoke, Virginia area it originated. That - what they determined - what they - what was deemed by the U.S. Geological Society a low tremor was felt at least 400 miles away and it was readily felt here in Western Pennsylvania. My house shook, where I work stuff got knocked off the walls. My point being that earthquake traveled from Central Virginia to Western Pennsylvania with profound effects.

The smallest seismic activity in Western Pennsylvania can have a profound disastrous

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1 effects. This is a community - this is - Western

- 2 Pennsylvania is very old, obviously. It's one of the
- 3 oldest regions in the country. Infrastructure is
- 4 poor, buildings are old, everything's old. Slight
- 5 | seismic activity could have disastrous effects on
- 6 building, bridges, people's homes.
- 7 I called my insurance agent today as a
- 8 matter of fact. I'm not covered from seismic
- 9 activity. That's not part of my homeowners insurance.
- 10 I asked him what it would take to get some coverage
- 11 for seismic activity. I'm serious when I say this.
- 12 He laughed. He said I'll have to call you back.
- 13 Called me back about two hours later. He goes,
- 14 basically triple the cost of your homeowners
- 15 insurance.
- It was a he was going on. I didn't
- 17 want to spend too much time on this, but he was
- 18 telling me this is a function of homeowners costs with
- 19 enormous deductibles. So if there were seismic
- 20 activity associated with this well -
- 21 <u>UNIDENTIFIED SPEAKER:</u> We've got no
- 22 | coverage.
- MR. BRENNER: a lot of people are
- 24 going to be in trouble. Is this worth is this worth
- 25 the risk? This is a risk don't think is worth taking

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1 when there are options viable yet more pricey options
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2 to dispose and treat existing waste - hazardous and

3 waste disposal facilities. That's all I have.

4 CHAIR: Thank you. Barbara last name

5 starts with an S. It's in cursive. I can't read it.

6 Can't read the writing. She's not here?

7 UNIDENTIFIED SPEAKER: No, she's not

8 here.

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9 MS. SIMS: Barbara Sims,

10 | S-I-M-S, from Murrysville Watch.

11 CHAIR: Use the microphone, please.

MS. SIMS: Is this it?

13 <u>CHAIR:</u> Yes.

14 MS. SIMS: All - everything has been

15 | addressed beautifully today. I really admire - I

16 admire all of your passion because that is what it is.

17 | It's passion. And I didn't know there was so many in

18 this area - around this area. It's heartwarming. And

19 what I did want to say was are you aware of some of

20 the horrible chemicals that are actually put forth in

21 | the injection wells? They are scary.

22 Benzene, Tylenol. They are things

23 that you do not want to happen and that's what's going

24 in this. The people that are putting this stuff in

25 our ground are not saying that that's what it is.

1 They are having a very odd amount of chemicals that

- 2 are very, very easily that we can accept.
- 3 So these are some of the things that
- 4 | are going through our water system, so I I really
- 5 hope that this is something that we are that you're
- 6 aware of. And you do not have that on your website
- 7 some of these at all.
- 8 And the other thing is I'm really
- 9 upset for the fact that there has been so little
- 10 communication between Plum, between the EPA, the DEP
- 11 about this meeting.
- 12 We did not know Murrysville did not
- 13 know the council meeting on Wednesday, last Wednesday,
- 14 | that there was even anything going on. I had to tell
- 15 them this and I think that is a crime. We should have
- 16 an e-mail and Facebook. We should be able to
- 17 communicate better. Thank you.
- 18 CHAIR: Thank you. Bob Teorsky.
- 19 MR. TEORSKY: I'm Bob Teorsky. I live
- 20 at the bottom of Old Bridgeberg Road in Route 66
- 21 directly below the well.
- 22 CHAIR: Could you spell your name,
- 23 please?
- MR. TEORSKY: T-E-O-R-S-K-Y. I live
- 25 directly below the well site. I don't you know, I

know we can't mention the 2,268,000 gallons, 542
trucks a month coming up and down our hill, but I do
want to mention about I'm in the gasoline industry and
there is an indemnification fund for any type of
leakage in the gas and oil industry that pays you all.

Is there any type of fund that would - would cover the disaster from the chemicals that they're throwing in the ground? And also is there - is there any way that we could put a charge on that to cover when my foundation crack or my well may be contaminated? I'm going to leave it up to you guys.

You guys are the people who supposedly are supposed to be taking a look at - taking a look out or keep a look out for us. But as you can see, we're - there's people here in this room that are having trouble getting ahold of people that are listed right on this page. And, you know, I know in the past that I've had problems the same way. Thanks.

CHAIR: Thank you. Lois Drumheller.

MS. DRUMHELLER: Testing. My name is Lois Drumheller, D-R-U-M-H-E-L-L-E-R. I am residing in Monroeville, Pennsylvania and we enjoy Boyce Park, my husband and I. We enjoy being here in. I ask you to pose the application before permitting the Sedat 3A production well to become an injection well.

My concern is over the suitability of the existing well, it's been expressed by other people, to preserve pressurized injected radioactive material in the safe drinking water. The idea of repurposing a vertical well to an injection well requires best practice of the industry. To the public who depend on water who are in close proximity to this I see no evidence of this practices.

Just today I was given via e-mail the draft and so I do have something here that talks about well construction. In this little paragraph this draft says the Sedat 3A well is a nine and five-eighths inch of groundwater protected surface, casing rain from 643 feet to the surface. This well construction exceeds - and here are the recent ones, the technical and generally accepted criteria of surface casing placement at no less than 50 feet below the lowermost unit. The result is stuff that leeches into safe clean water from the existing well casing should concern everyone. It does.

I've heard it. Casing, cement impairment due to the days of the original well's construction, I think it was 1989, demonstrates a little protection against groundwater contamination according to that generally accepted practice

constructing well construction. And there is good evidence when examining the literature of unconventional injection wells that there are some problems with this.

So what I - I also submitted to you is the excessive risk analysis of encasing cement for oil and gas wells in Pennsylvania from the year 2000, 2012. In fact, they mention the significance here. Previous research has demonstrated that approximately unconventional gas development is associated with elevated concentrations of methane and groundwater aquifers in Pennsylvania.

To date, the mechanism of migration is poorly understood. Our study which looks at more than 41,000 conventional and unconventional oil and gas wells helps to explain one possible mechanism of methane migration. Compromised structural integrity of casing and cement in oil and gas wells.

I'm also a respiratory therapist who performs lung function testing for all types of people with suspected lung disease I have heard from neighbors in Southwest Pennsylvania who wish drilling had never occurred on the land where they and their neighbors went to take the clean water and breathe fresh air. And as it was stated by another

- 1 Monroeville-ite, those two essential rights breathing
- 2 clean air and having safe water, are constitutionally
- 3 | quaranteed under Article 1, Section 27 of the
- 4 Pennsylvania Constitution.
- 5 So these neighbors and I are concerned
- 6 about injection well contamination below our
- 7 | groundwater drinking. This drinking water is a matter
- 8 of record. This should be separated as part of the
- 9 drilling process by proper use of casing and cement,
- 10 so then surface casing is essential in well
- 11 | construction prevent to prevent this in into
- 12 drinking water. Yet we have poor, if any, evidence
- 13 that the once conventional well being permitted here
- 14 has any evidence of having proper casing and cement.
- We get a vague description according
- 16 to best practices, generally accepted practices. The
- 17 age of this well correlates with no safeguarding for
- 18 this by its design. I think people learn that after
- 19 | what happened in Emitt? Yeah, there were two
- 20 standards. Therefore the flow back and the produced
- 21 water will infiltrate into what should be preserved
- 22 safe water.
- This so called overland flow
- 24 infiltrates to nearby surface water. It contaminates
- 25 the population. The population seek medical care.

1 The future for the land and the people on it are in 2 danger, so please reject this application. Thank you.

CHAIR: Thank you. Rebecca Finnegan.

MS. FINNEGAN: Hi. My name is Becky

5 Finnegan. I'm Frank's daughter. I actually drove

6 five hours for this meeting today. I'm a geologist.

7 I work in environmental consulting. I understand the

8 geology, I understand the hydrogeology, I also

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9 understand the risks if a parent has a private spring

10 actually where they get their drinking water.

I was reviewing the permit and the statement of basis for this well and I had some questions about the single monitoring well that was selected to show fluid migration. It's a thousand feet southwest up the well. Why is one monitoring well suffice in this situation? Rock in the Pennsylvania typically do not lay flat and are not laterally continuous. There's channels, there's cuts and there's fill. This is not a homogeneous layer of rock.

We don't know what direction the injection fluids are actually going to travel once they're injected. They're going to follow the path of least resistance, which could be up through several of the gas wells that dot this landscape. Not all

probably are even on record.

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There's also been discussions about the fact that this flow is much more shallow than injection wells typically are and that's supposed to alleviate our concerns of earthquakes. But expert opinion does not outweigh scientific evidence and there is no scientific evidence to uphold that claim. The instability of this area, as my dad had mentioned, he was living there in 1989 when this well was installed.

I actually looked at the area myself today. There is a lot of evidence of pollutants. The bedrock in this area is within 20 feet of the ground surface and it's all shale in the upper roughly 50 to 100 feet. Shale is prone to slippage if the bedding plane are lying properly to help those and they aren't.

I have concerns about contaminate migration through both the bore hole itself. I'm concerned about surface leakage.

The records show that these injection wells have been leaking for months before your agency is able to identify the leak and stop the injection. That's two months of hazardous waste seeping into the ground into my parents drinking water, and it's not

1 being monitored.

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I had my mom on the phone with me two
days ago when I talked to her about me coming home for
this meeting. She was nearly in tears telling me how
she has to sell her house because she can't trust her
drinking water. So look her in the eyes to tell her
that you will drink her water.

8 <u>AUDIENCE MEMBER:</u> She's drinking out 9 of a bottle.

MR. FINNEGAN: I'll bottle it for you and send it to Philadelphia. That's all.

12 <u>CHAIR:</u> Carri Armstrong. Spell your 13 first and last name for the stenographer.

MS. ARMSTRONG: Sure. Cari Armstrong, C-A-R-I. Armstrong like the astronaut. First off, thank you for holding this hearing. I appreciate your willingness to kind of throw yourselves to the lions so you can hear us and I don't envy the seats that you're in tonight. So thank you.

While I share many, many of your concerns to the air and water pollution as well as the concerns about seismic activity, I'll reserve those issues for individuals who already spoke. I didn't know they more versed on the subject than I am.

Tonight I want to address the fact that putting this

proposed injection well in the Plum Borough will directly negatively impact my quality of life for my family and I.

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My husband and I chose to move to
Southwestern Pennsylvania when we found out we were
expecting our first child. After years of living in
Chicago and Las Vegas, we were craving a quieter,
friendlier community to raise our family. We chose to
move to Westmoreland County as it was relatively free
of fracking development compared to a lot of the areas
surrounding Greater Pittsburgh.

We value the quiet, the windy roads, the beautiful views while still having access to a vibrant city center. We dreamed of buying a house in the rural area for many years and we found our perfect home for our newly expanded family in Upper Burrell Township. Living on Upper Canyon Road, which is just right up the hill from the proposed well site, near daily me my son and I drive down into Greensburg Road to get various businesses, parks and libraries.

We travel Greensburg and Old Leechburg Roads regularly to take advantage of the opportunities of commerce within this community. Driving around in this area has become a real source of joy in my life, particularly after living in Chicago for so many

years. The roads aren't crowded, it's quiet, it's relatively safe, drivers are cautious and extremely courteous.

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daily lives here, this proposed well will have a tremendous impact on our quality of life. Increased construction traffic, truck traffic to the well, flaggers, road closures, road construction and noise pollution are all seemingly minor things that will slowly erode the ambience and the experience of living in this area. I want to raise my family in this community.

We chose this community specifically because we are trying to escape the peril and pitfalls of living near and industry and development. Putting in an injection well in will deny us that dream and that opportunity.

I'm not naïve to the realities of fracking. I understand that there's a real need and a real demand to dispose of wastewater from unconventional drilling, however, the need for a place to put a well should not supersede the needs, dreams, desires of those of us who choose to live here, to love here and to raise our families here.

This proposed well will change the

- 1 ambience and the face of our community forever, so
- 2 | please, please do not allow this well to come into our
- 3 community and rob so many of us of the peaceful
- 4 environment that we dreamed of and pursued to have.
- 5 Thank you so much for your consideration.
- 6 CHAIR: Jan Kiefer. If you could
- 7 spell your name for the stenographer.
- MR. KIEFER: My name is Jan Kiefer, K-
- 9 I-E-F-E-R. My hats off always to the people who come
- 10 out. The people come out year in and year out.
- 11 Thirty-eight (38) years ago I come out and since then
- 12 I've refused to address agencies like the DEP or EPA.
- 13 I've seen that that's never been the
- 14 solution and just sort of give you the structure of
- 15 what you're looking at here from my experience. We're
- 16 talking about regulations here tonight. Regulations
- 17 | are based on fake science that's put in there by the
- 18 | industry. Look at the tobacco industry, for instance.
- 19 We knew tobacco is causing cancer for years. These
- 20 quys let it slide.
- Those agencies, they're put in the
- 22 revolving door with the industry. These agency guys
- 23 are placed by their elected officials, our the elected
- 24 officials are placed by the agency, the gas industry
- 25 | in this case who's putting their money into the

- It's almost impossible to sustain a seat 1 elections. 2 or to get a seat if you oppose the gas industry in 3 this part of the country.
- So I'm I'm no democrat and I'm not 5 for Republican. If anything, I'm anti-Democrat, anti-Republican. In my 38 years, I haven't seen any 6
- progress in the environmental movement, I haven't seen
- any of these environmental groups come through.
- There's been some great saves, you know.
- 10 backyard's safe here, safe there. That's great, but
- 11 then it just comes to the backyard and it gets pushed
- 12 down - pushed down the line.

- 13 So my final point here is then that
- 14 what I am for is for a radical change in your
- 15 thinking. You know, we need to change the way eat,
- 16 the way we look at pharmaceuticals, the way we look at
- 17 our health, the way we look at the environment and the
- 18 - and the agriculture issue, runoff issues, you know.
- 19 The gas industry is just one small part of the problem
- 20 that we face that could bring calamity to it. So
- 21 that's my point then.
- 22 It's not enough to come out to one
- 23 meeting and fight for your backyard. My hats off to
- 24 you. I love it. I do it all the time, but, you know,
- 25 you need to sustain that, you need to expand that and

you need to take critical thinking and say, where else am I going if not going environmental besides this one issue? Because we're going nowhere with these people.

Thanks.

CHAIR: If you could leave your mailing address or e-mail so we could send the response to comments, the document you just handed to us? And Lois Bjornson. Please spell your name for the stenographer.

MS. BJORNSON: Sure. It's Lois and the last name is Bjornson, B-J-O-R-N-S-O-N. So I am not from the area. I live south of Pittsburgh in Scenery Hill, Pennsylvania. I grew up on the Monongahela River, so I'm no stranger to industry. And if anything, I'm here to let everyone know if you let the industry, in they never leave. We moved to Scenery Hill 13 years ago from the City of Pittsburgh.

We are completely encompassed by oil and gas and we have in the valley. We have a transmission line 5 feet from our property. To date there are 33 wells from a one to three mile radius from my home and that's an injection well. If this injection well comes to pass with these people, that means more injection wells for us in our area also.

So I beseech you to not allow this to

- 1 happen for numerous reasons that other people talked
- 2 about as far as what's going into the water table. The
- 3 possible collapsing of cement. There's no sure fire,
- 4 deliberate, positive proof that this is safe. You
- 5 | must not allow this to happen because once there is
- 6 one there are many. Thank you.
- 7 CHAIR: Ann Lecuyer. Ann, if you
- 8 could spell your last name for the stenographer.
- 9 MS. LECUYER: Ann Lecuyer, L-E,
- 10 capital C-U-Y-E-R. I'm here as a concerned citizen -
- 11 | you'd think I'd know better. Outreach coordinator for
- 12 Protect PT as many of the people that are here. Most
- 13 of my points have been expressed as far as water
- 14 pollution and the traveling of the water. Even though
- 15 they say it can't travel, it will travel, it's been
- 16 proven to travel. Mainly I'd like to say that once
- 17 the the gas industry is only in this area. In Penn
- 18 | Township we had two wells two wells two years ago
- 19 and now we have ten proposed wells in Plum right now,
- 20 this is proposed fracking wells and now the injection
- 21 | well. And I just want everyone to be aware of that.
- 22 Thank you.
- 23 CHAIR: Matt Kelso.
- 24 MR. KELSO: I'm Matt Kelso. I work
- 25 | with a -.

Can you spell your last name? 1 CHAIR: 2 MR. KELSO: Yeah. K-E-L-S-O. 3 here in front of you is a map. I'll show it around. 4 It's been on the back table for a little while and 5 it's a map of the general area where the Sedat 3A map 6 - Sedat 3A well is located. And as you can see, it's 7 really close to the border with Upper Burrell, also close to Murrysville. I don't know the population of Upper Burrell, but Murrysville has about 20,000 9 10 people. How many? 11 23,000 people. UNIDENTIFIED SPEAKER: 12 MR. KELSO: 23,000 Pennsylvania. 13 Okay. Murrysville has about 20,000 people, 14 15 Plum has 27,000 people. There's quite a few people 16 here. The dark areas on this map represent where the 17 coal mines are located and that is most of the area, 18 so, you know, the - you know, the well goes right 19 through a coal mine. 20 So those are the type of things to consider and, you know, I know that you have 21 22 seismicity isn't in your purview as you explained 23 earlier, and, you know, I think that's a shame. 2.4 think that it should be. And I hope that you read 25 through those comments that everybody has about

earthquake considerations.

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One of the other things that I think you should think about though is that there are a lot of other oil and gas wells that have been drilled in this area. You know, Pennsylvania, the DEP estimates there have been between 500,000 and 750,000 wells drilled since before the Civil War. A lot of these wells were drilled at a time when there was no regulation.

all. Some of them that are capped are capped with wood, which has long since rotted away. There are a lot of possible routes for the transmission of fluid from - from deep layers to shallower layers. The coal mines are part of that. You have a situation where there's already abandoned mine drainage in a lot of different locations.

get from the injection well to the coal mine, that can leak out into the surface through existing routes. So that's another thing for you to think about. So if you get a chance to look at this map at the back, all these black little dots are wells that are known about. Again, DEP only knows about 175,000 wells, where they are.

The other 325,000 to 500,000 wells, they don't even know where they are. So something else to think about. Thank you.

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CHAIR: Thank you. Valerie Yockey.

MS. YOCKEY: Hi. My name's Valerie

Yockey, Y-O-C-K-E-Y. First thing I wanted to say is

first of all, thank you for coming here and I hope you

have a job in a few months because we know how this is

all leaning. As it was stated, the new head of the

EPA is certainly a lover of fracking. And as you can

tell by the - the climate in this room many here in

Western Pennsylvania are not. To give you a little

history on myself, I've been born in - I was born and

raised here in this community.

I'm 60 years old. In the '90s I was

President of Council here. And I was a community

activist since 1989. In that time frame that I was on

Council from 1992 to 1996, we certainly had our share

of issues here. We had two houses that exploded from

gas. Mine subsidence was suspect. One home, the

garage door blew across the street and an elderly

woman was killed.

We had a house from mine subsidence go down over a hillside in Regency Park. We had - we had mine subsidence in Regency Park and we had the Bureau

of Mines at our borough building with large maps. And we were all supposed to go and look and see and look at the mining maps to see if any of our homes in the areas were undermined. In the back of the room were a number of ex coal miners who also lived in Plum.

And they laughed and said, Val, when we were down underground and we saw a vein of coal, we didn't follow the map. We went and got it. well, guess what? The home in Regency Park that was told that under their home the mine was 1,300 feet below, it was 13 feet under their driveway. I was there when they came and pumped cement under two homes to keep them from falling into the earth. We also had two major mine fires in our community, one that's still raging.

In the '90s we also had a wonderful resource recovery facility that was going to come here and be the environmental mecca that we all needed to dispose of waste. Everyone was for it.

Well, I put on my boxing gloves? I was called and asked to come to dinner by people that turned out to be known felons and I got a phone call from State Representative in Harrisburg that told me, Val, whatever you do, keep your name out of the paper because the people that are involved in this proposed

1 resource recovery facility, you don't want to have 2 lunch with.

3 We were able to stop it. They were going to be bringing garbage here into Plum Borough 4 5 from the State of New York and New York City. And we 6 were going to deal with those trucks. We've also had a mine --- a major mine reclamation project going on in this community for decades. I was with Governor Rendell on a hillside not far from my home where there 10 was an old bony dump in Renton and anyone that's 11 familiar with Renton knows. I used to ride my horse 12 across the bony dump.

Well, let me tell you, I stood with the Governor on a hillside and looked at giant earth movers that from my standpoint looked like matchbox cars. Of course they bonded our streets. The people in that area for almost 20 years had to deal with the truck traffic.

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Oh, sure, we paid street sweepers to come and move the debris, but we dealt with it. We dealt with plenty. And this is something that I don't believe we should be dealing with again.

Now, the other thing I would like to say is the manner in which this proposed site permit and the information that was given was suspect at

best. It was not handled appropriately.

environmental organizations.

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I received a phone call from our

Mayor. He and I were running mates back in the '90s.

From one of the most respected families in this

community, he knew nothing of this meeting. He knew

nothing of the July 20th deadline to get e-mails in to

the gentleman that would accumulate them. This room

is full of community activists. This room is full of

Why? Because the word went out by people like Doug Shields and these other environmental organizations that fill this room. I ride the Port Authority bus every day to work with hundreds of people. No one on my Port Authority bus from Murrysville, Plum Borough, knew anything about this.

The other thing that I would like to say is the elected officials in this room - and I don't really care who you voted for, because whoever you did, you know. And if you voted for number 45 that sits at the helm of this mess, then shame on you. The elected officials that came in this room and the gentleman who spoke so eloquently, they're all Democrats. There wasn't a single Republican elected official that walked through this door, at least from Plum Borough.

Now, yeah, I'm a Democrat. Oftentimes
not a proud one, but everyone better take a damn close
look. Apathy, voter apathy, is rampant. You don't
wait until an injection well is next door to you to
open your eyes.

The other problem I wanted to mention that I dealt with is right across from this Sedat property, the 68.8 acre parcel that Sedat owns, I'd like to know who's going to benefit?

Okay?

Whoever leased the oil and gas rights

12 - and I know who that person is. I did my research.

Okay.

That well's been capped and there's 1,900 feet for us to pump into a hole in the ground all these chemicals that we've discussed. So who's going to benefit on that property? Directly across from that property is Drenan Road.

In the '90s I worked with our borough engineer and our borough solicitor in a vain attempt to get public water to the people of Drenan Road to residents who were dying of cancer. Wells were contaminated. This was directly across the street from this proposed site.

Again, I can't speak intelligently the

1 | way a geologist, the way Mr. Shields, and many others

- 2 | in this room have spoken, but I can speak with
- 3 compassion as someone who loves her community and has
- 4 | fought since 1989 to protect it. And I'll be go to
- 5 hell if this is going to happen without a fight.
- 6 CHAIR: Michelle Chapkis. Michelle,
- 7 | if you can spell your name, please.
- 8 MS. MACCARATI CHAPKIS: Michelle
- 9 Maccarati Chapkis, M-A-C-C-A-R-A-T-I, C-H-A-P-K-I-S.
- 10 Good evening. I am the Executive Director of Women
- 11 for Healthy Environment, a non-profit organization
- 12 here in Pittsburgh with a mission to address through
- 13 education the environmental exposures that impact
- 14 health. I am also a resident of Plum Borough. I am
- 15 here to urge EPA to deny their permit.
- 16 I am concerned with the short term and
- 17 long term impacts of this proposed development. There
- 18 | will be immediate impacts, as we've heard, such as
- 19 increased noise and air pollution from truck traffic
- 20 and other associated risks with potential spillover,
- 21 | well failure or leakage. Diesel traffic will place a
- 22 | significant health burden on the community.
- 23 Particulate matter is released from
- 24 emissions relate to heart disease, stroke and
- 25 respiratory disease. The analysis conducted to the

site has been done by the Penneco Environmental

Solutions and their contractors. I would request that

such an analysis for development as significant as

this be conducted by an independent third party. What

will the structural integrity of the well be?

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That well was capped as we know and understand under old standards and regulations and never inspected by the EPA. How does the fact that this borough has been mined and residents carry mine subsidence insurance factor into the decision making process for this location? According to the EPA, this site may be at lesser risk for seismic activity, mini earthquakes as we've heard.

However, we know that greater risks for water contamination. It is near Puketa Creek, which drains into the Allegheny River. Downstream 80,000 residents depend on the quality of that Allegheny River for their drinking water. There have been documented cases of well leaking and water becoming polluted as a result of this type of development as more and more injection wells are approved and long term research is lacking.

Where will the fluids flow and what if it contaminates groundwater supply over time? Mario Salizar, an engineer who worked for 25 years as a

technical expert with the EPA's underground injection
program stated in 10 to 100 years we are going to find
out that most of our groundwater is polluted. What is
the composition of the fluid being disposed? Will
this be transparent and made publicly available?

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As residents we have a right to know and oppose what is being deposited and what we may potentially be exposed to. A study of the Journal of Environmental Science and Technology indicates that much of this wastewater composition in addition to brine consists of ammonium, iodide and bromide, each of which can be toxic, as well as radium and barium.

Models and theory vary widely, but the fact of the matter is geology in underground systems can behave unpredictably. Can the safety of the site be scientifically ascertained? The nature of this geology which has been referenced, Nathan Weiser who is an underground injection expert working for the EPA had said in an interview in 2010 it's a natural system. And if you go in and start punching holes through it and changing pressure systems around, it's no longer natural.

It's difficult to know how it would behave in those circumstances. Some well integrities are compromised by injections, which occur more

- 1 | frequently and cause higher pressures than allowed.
- 2 | Most injection wells permits strictly limit the
- 3 | maximum pressure allowed, but well operators rushing
- 4 to dispose of more waste in less time sometimes break
- 5 the rules and state regulatory inspections show this.
- 6 History tells us there is no oversight
- 7 of waste mitigation movement. In a 2008 interview
- 8 | with Propublica, one EPA scientist acknowledged the
- 9 shortcomings in the way that the agency oversees this
- 10 injection program, stating it is assumed that the
- 11 monitoring rules and requirements are placed and are
- 12 protected.
- You're not going to know what's going
- 14 on until someone's well is contaminated and they are
- 15 complaining about it. Further a Propublica review of
- 16 | well records, case histories and government summaries
- 17 of more than 220,000 well inspections found that
- 18 structural failures inside injection wells are
- 19 routine. From late 2000 to 2010, one well integrity
- 20 violation was issued for every six deep injection
- 21 | wells examined.
- More than 17,000 violations
- 23 nationally, more than 7,000 wells showed signs that
- 24 their walls were leaking. Records also show wells are
- 25 | frequently operated in violation of safety regulations

1 and other conditions that greatly increase the risks

- 2 of fluid leakage and the threat of water
- 3 contamination. I urge the EPA not to approve this
- 4 permit at this time.
- 5 The health and wellness of all our
- 6 residents is at stake and we deserve to be better.
- 7 Thank you.
- 8 CHAIR: Chris Oskin. Chris Oskin?
- 9 Martha Robins. Martha Robins? James Rosenberg.
- MR. ROSENBERG: My name is James
- 11 Rosenberg. That's R-O-S-E-N-B-E-R-G. People call me
- 12 Jim. And I have both written testimony and oral
- 13 testimony, so my oral testimony I only have time for
- 14 the tip of the iceberg. Thank you for the opportunity
- 15 to come in on EPA's draft permit PASD701BALL permit
- 16 and EPA's basis document for conversion of Penneco's
- 17 | Sedat 3A well, API number 003-21223 to an injection
- 18 | well for disposal disposal of oil and gas
- 19 wastewater.
- I object to the issuance of this
- 21 permit on several grounds. My oral comment is only a
- 22 | summary of my written comments, which gives more
- 23 detail which I am submitting both here and by e-mail.
- 24 One, baseless geological and seismic
- 25 review, page four, shows no evidence of any evaluation

of the presence in the area of review AOR of any intervening coal mines undocumented by - including undocumented mines that might interfere with the

4 intended operation or integrity of the injection well

5 or the effectiveness of AOR confining zones. In fact,

6 basis doesn't even mention the word coal. That's

7 pretty bad.

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Sedat 3A and the entire AOR are located inside a recognized mine subsidence insurance risk area. I have that map in my written testimony and it's basically the same map that Matt Kelso showed.

The coal indicator field for the well Sedat 3A in DEP's oil and gas mapping metadata table reads coal, so you guys know that this is a coal associated well.

that this has not been analyzed. If there is any tangible risk, whatever, of mine subsidence this should in and of itself completely disqualify this location from hosting an injection well. The EPA should deny outright any application for a UIC disposal well in any mine subsidence insurance risk area.

Two, there are two additional wells

just outside the 0.25 mile buffer around Sedat 3A, which were apparently not evaluated and are close enough to the proposed area of review to make the definition of the AOR as published arbitrary and unreasonable.

2.4

So my written testimony - my written testimony includes a map with this orange bull's eye, which is the AOR. Now, the people here have to understand what AOR means. AOR means EPA ignores everything outside of this bull's eye. That's what it means. So the definition in the state of AOR matter. EPA - five wells inside the AOR which by the way you didn't identify. There are two additional wells just outside the AOR including API 00321438 consolidation coal 8, which is only 0.26 miles from Sedat 3A.

A difference of both 0.01 miles is geologically insignificant, showing that this well should be considered also. The AOR has been drawn arbitrarily and unreasonably. EPA must deny this application as drafted and demand that Penneco reapply under an amended AOR who's definition is geologically reasonable and takes into account all nearby impacts.

I should also mention we had Mr.

Smolenski - is that -? Another one of the wells that is just outside the AOR is called Smolenski 1 and the

- 1 complaint inspections for that well show that the
- 2 | landowner complained that water had been contaminated.
- 3 | Is that you?
- 4 MR. SMOLENSKI: No, I never complained
- 5 about that.
- 6 MR. ROSENBERG: Okay.
- 7 Three, EPI EPA has failed to
- 8 properly evaluate the zone of endangering influence by
- 9 | failing to analyze cementing, particularly cementing
- 10 outside the casing for wells inside the AOR. Now, my
- 11 written testimony has a table that shows the spot date
- 12 for all these five wells that are supposedly going to
- 13 be in the AOR and only Sedat 5H was since the new
- 14 rules came into play in 2010.
- So four out of these five wells were
- 16 | spotted under very old rules that basically, of
- 17 | course, nothing. A cement failure that penetrates the
- 18 injection zone a cement failure of a well that
- 19 penetrates the injection zone can allow contaminates -
- 20 contaminates to escape the confining layer. Only
- 21 | Sedat 5H was subject to courtesy of any rules, the
- 22 other rules are too old.
- There are no inspection reports
- 24 showing cementing to the surface was ever inspected.
- 25 Let me repeat that. There are no DEP inspection

reports for a single well inside the AOR that shows
that cementing to the surface for a single one of
those wells was ever inspected.

Four, basis geologic and seismic review, page four, is incomplete and inadequate and does not take account of the recent history including Marcellus and Utica shale incidents of unanticipated faults and induced seismicity and actually induced seismicity events in Ohio and Oklahoma. A series of low-magnitude fracking related earthquakes occurred on April 25th, 2016 not far from a geologic feature called the Blairsville Broadtop Lineament, also known as the Mahoning Lineament. Sedat 3A is also not far from this feature showing that the area may be more prone to earthquakes and basis estimates.

Injection wells have been known to be associated with earthquakes since the 1960s, so the online version is in color. This is hard to read, but this is a map of the whole state of Pennsylvania and this is this feature. It goes diagonally like this (indicating).

This is - this is in my written testimony. This map is figure four for the DEP's analysis of the earthquakes that happened in Lawrence County. The earthquakes that happened in Lawrence

- 1 | County are right here and Sedat 3A is about we're in
- 2 | the middle, the top here. Everybody all comfy that
- 3 | that's nice and far away?
- Five, there are numerous defects in
- 5 the permit which must be remedied.
- All nearby wells must be re-cemented
- 7 outside the casing to the surface. Cement blocks must
- 8 be submitted in all cases and must be public records
- 9 that are not subject to confidentiality. There must
- 10 be some form of of containment against the threat of
- 11 surface spills when trucks are connected and
- 12 disconnected. I got lots more stuff in my written
- 13 permit, but that's I mean, my written testimony, but
- 14 that's enough for oral here.
- 15 CHAIR: So that was everybody that
- 16 checked yes. There were a couple of people that left
- 17 | it blank. Was there anybody that wanted to give
- 18 testimony at this time before we do the closing
- 19 remarks? Can you state your name?
- MS. SHEEHAN: My name is Katie
- 21 | Sheehan, S-H-E-E-H-A-N. I'm Frank Marshall's daughter
- 22 and I am a nurse. So let's play hypothetical for a
- 23 minute and none of the water leaks into my parent's
- 24 drinking water. Just the amount of truck traffic
- 25 alone exposes them to carcinogens from the exhaust

- 1 from the trucks that they're hauling radioactive 2 waste.
- 3 So now they're at risk for cancer. And
 4 I'd like to say hello to all my future potential
 5 patients that I might have. If you people were to
 6 vote any type of cancer, the treatment for that cancer
 7 is more chemicals, chemo, radiation. You may not feel
 8 the effects right away from potential hazardous
 9 drinking water or the pollutants from the air from the
 10 traffic that is going to be huge. Because I remember
- when they were just taking coal from Renton, the amount of traffic that was on that road.

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parent's farm that he hit a telephone pole that my dad had cattle on. So not only do you have all that - I don't know. I just - I just think it's not your families and I get that, but it's mine. It's my excommunity.

And a truck that almost took out my

- 19 Chemo and radiation treatment is
 20 awful. I don't want to see anybody in this room go
 21 through it.
- It's terrible. Nausea, vomiting,
 anorexia. We have nothing to help those people that
 have to get that potential treatment other than here's
 some marrow because you can't eat and here's some

morphine for your pain because we have nothing else to
do for you and it's terrible. I don't want any of
these people to go through it.

I don't want my parents to have to give up their livelihood where I grew up, where my dad grew up. He grew up across the street from where their current house is. It's terrible and I didn't want to get up here and speak because I knew this was going to happen, but obviously I'm passionate about it.

And not just because it's my family, it's these people and it's terrible. And I - I guess that it has to go somewhere. You can't just pretend that this radiation waste is inexistent, but there has to be somewhere else to dump it. There has to be regulations out there that are - you know. It has to be disposed of.

There's no cure for this. I've seen plenty of people die from various cancers, dialysis treatments. Once you have kidney, any type of cancer, bladder cancer, I hope you like to live on a dialysis machine because that's the only thing keeping you alive. If my parents get this potential toxic water pumping through their house - I don't want my future children have to drink it, them and myself.

I would rather drink my own urine

2 | because my kidneys are doing a better job of filtering

3 out the toxin than was ever dilute that Penneco or

4 whoever comes up with suggest that you put on your

5 | filtering your well water, your house. I mean, it's

6 terrible.

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And my sister is a geologist. She

8 stated before and she can get way more scientific on

9 this than I can. I know the medical treatment side of

10 all of this and it's terrible. Thank you.

11 CHAIR: Last call. Anybody else that 12 didn't check yes?

MS. COPELAND: I didn't check yes.

CHAIR: Come on up. Sure.

MS. COPELAND: Good evening. My name

16 is Jennifer Copeland, and that's C-O-P-E-L-A-N-D. And

17 | I'm a resident in Murrysville, which is the

18 | neighboring community here. I apologize. I didn't

19 | formally plan to speak this evening, but I just

20 | couldn't go home tonight and go to bed and wake up in

21 the morning and look into the eyes of my five children

22 knowing that I had your ear this evening and I didn't

23 voice my opinion.

I am here to support the residents in

25 | Plum and their opposition of this well. And I'm also

here out of concern for my neighboring community and the five children that I moved there. Like a few before me and I'm sure the many more who will be tucking in their children tonight, they don't even realize the potential hazards that could - that could come along with these processes.

In addition, they do know that the things that we do today will affect our children and their children's children. Most of us did not move here and did not move our children into this rural area to be surrounded by large industrial activities that are now proven hazardous to human and environmental health. The hazardous base created by the oil and gas industry is the problem of the oil and gas industry and should not be our problem or the problem of our children.

Burying this waste will only create more - more problems on top of those that we already had to endure from the fracking process itself. If these oil and gas industries can't and won't find safer ways to deal with their waste, perhaps you all should take a hard look as to why we're catering to this hydraulic fracturing in our state in the first place.

This is not a sustainable resource.

- 1 This is not the energy source of our future. Please
- 2 protect our health and our environmental rights of all
- 3 Pennsylvanians, especially those of our children who
- 4 are going to have to clean up this mess and start by
- 5 rejecting this and other well applications across
- 6 Pennsylvania. Thank you.
- 7 CHAIR: Anybody else? One last call
- 8 | if you want to come up and give public opinions? And
- 9 then we're going to close close the -.
- MR. UHLER: Yeah, this really bothers
- 11 me. I live in the community of Upper Burrell concern
- 12 being so close, but I'd like to ask every one of you.
- 13 | Would you have this in your backyard?
- 14 CHAIR: When we close the hearing
- 15 | we'll -.
- 16 MR. UHLER: Oh, you're going to close
- 17 | it?
- 18 CHAIR: No, I said when we close we'll
- 19 answer questions.
- MR. UHLER: Okay.
- 21 You know, we're still cleaning up the
- 22 reclamation of for the strip mining and all that.
- 23 Now, who's going to be funding this if there's impacts
- 24 of all this waste? You know, we're we're losing our
- 25 agencies, we're downsizing. Now, how who's going to

1 have oversight to this?

2 UNIDENTIFIED SPEAKER: Nobody.

MR. UHLER: We are, not you guys. But
it's a shame, you know, like we keep on emphasizing
everybody better stick together because I know in
Upper Burrell, they're not. One thing I'll say we can
never recover our land once it's gone. So thanks very

8 much for letting me speak.

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9 <u>CHAIR:</u> Sir, what was your name again? 10 Repeat your name.

MR. BOWERSOX: My name is Mike

Bowersox. I came up here a little bit earlier with my

son and didn't really anticipate being that emotional

as it was. One of the things that I wanted to - to

mention here is for those interested, you can go on

the EPA's website.

And they did a retro - retrospective case study down in Washington County. In looking at, and one of the key findings they found fluoride contamination that was attributable to impoundment sites. I - I assume impoundment means what we're talking about here. I'm not as smart as many people in this room, but so even through your - your own looking at what has been done before.

Through this process you found some

1 contamination. And there wasn't any mention of the

2 potential for the mitigation of benzene contamination,

3 but it's been proven and shown to be part of the water

4 - waste water that happens in this process. So

5 thanks. I just kind of forgot to say that, so -.

CHAIR: Okay.

Thank you.

8 <u>AUDIENCE MEMBER:</u> Is there anyone here 9 from Penneco who wants to make a statement to the

10 public?

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11 CHAIR: Sir, sir, let's close the
12 hearing because this part of the hearing is for the
13 comments towards us and then we can have discussion.

AUDIENCE MEMBER: If someone from the company wants to do this.

AUDIENCE MEMBER: Let him make a comment.

CHAIR: Sir, sir, sir. We're closing the hearing at this time. On behalf of the Environmental Protection Agency, I would like to thank you all for your participation. I can assure you that we will take all your comments serious attention.

<u>AUDIENCE MEMBER:</u> Oh, yeah.

CHAIR: I would also like to remind you that we've agreed to keep the comment period open

- 1 until August 2nd. Because of the number of
- 2 commenters, I've decided to keep it open for two weeks
- 3 until August 9th. We will accept comments until
- 4 August 9th so we can thoroughly evaluate any comments
- 5 you didn't get to express tonight.
- 6 You can send it to us. We have an
- 7 address an an e-mail. You can send it to James
- 8 Bennett, which is me, at 1650 Arch Street,
- 9 | Philadelphia, Pennsylvania 19103. You need to put a
- 10 mail code. The mail code is 3WP, P as in Paul, 22.
- 11 My e-mail address is Bennett.James@EPA.gov, B-E-N-N-E-
- 12 T-T, J-A-M-E-S at EPA.gov.
- AUDIENCE MEMBER: Can you please
- 14 repeat that because we were just getting our cell
- 15 | phones out?
- 16 CHAIR: Bennett, B-E-N-N-E-T-T,
- 17 James, J-A-M-E-S, at EPA.gov.
- AUDIENCE MEMBER: And will you answer
- 19 the questions that are posed to you?
- 20 CHAIR: Every comment that has been
- 21 asked for tonight will be responded in a response to
- 22 comments document in either e-mail or direct mail to
- 23 everybody who signed up on this list whether you spoke
- 24 or not.
- AUDIENCE MEMBER: Thank you.

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1	<pre>CHAIR: You're welcome.</pre>
2	AUDIENCE MEMBER: Question back here.
3	CHAIR: Well, let me finish this
4	statement and then we take questions at the end.
5	Okay?
6	Again, thank you for your interest in
7	this proposal. This concludes the formal part of the
8	hearing. As I said before, you can close the hearing.
9	My staff and I will remain up here for you to come up
10	and ask us questions one on one.
11	Okay?
12	Thank you.
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14	* * * * * *
15	MEETING CONCLUDED AT 9:18 P.M.
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CERTIFICATE

I hereby certify, as the stenographic reporter, that the foregoing proceedings were taken stenographically by me, and thereafter reduced to typewriting by me or under my direction; and that this transcript is a true and accurate record to the best of my ability.

Court Reporter

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Diana L. Inquartano