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PUBLIC MEETING
REGARDING
SUNOCO PIPELINE LP
TWIN OAKS NEWARK 14" DIAMETER PIPELINE RELEASE
INTERIM SITE CHARACTERIZATION REPORT (ICSR)

- - -

Monday, September 15, 2025

7:00 P.M.

The Crossing Church
1895 Wrightstown Road
Washington Crossing, Pennsylvania 18977

- - -

REPORTED BY:
Cheryl L. Goldfarb
Registered Professional Reporter

- - -

1 MR. MCGINN: All right. Good
2 evening, everyone. We're going get started, if
3 people want to grab their seats.

4 My name is Joe McGinn. I'm the
5 Vice President of Public Affairs for Energy
6 Transfer. And welcome to our incident -- our
7 ISCR meeting.

8 As part of the Act 2 process,
9 we're hosting tonight's meeting in order to
10 receive public comments on our interim site
11 characterization report, which was submitted to
12 DEP on September 2nd. For efficiency, you may
13 hear us refer to this report as the "ISCR."

14 In terms of agenda for tonight,
15 we're going to walk through the report. I
16 imagine some in the audience have read the
17 report, some maybe multiple times, some may
18 have not. So we're going to go through the
19 report chronologically, just how it's written,
20 in kind of a PowerPoint fashion, section by
21 section.

22 Neil Ketchum, to my right, your
23 left, is going to be doing that presentation.
24 I'll introduce Neil in more detail momentarily.

1 And then afterwards, we will have public
2 comment on the report.

3 Just as a reminder, the report
4 can be viewed on our incident website on the
5 Act 2 page, as well as in person, at the Upper
6 Makefield Township Building. There's a
7 physical copy there.

8 The public comment period is
9 open through October 17th. So in addition to
10 making those public comments tonight orally,
11 they can also be made via e-mail or be mailed
12 via U.S. mail to the address listed here at
13 525 Fritztown Road in Sinking Spring, PA. I
14 just ask, whether you e-mail or you put it in
15 the mail, to please put it to the attention to
16 "ISCR Public Comment." That way, it will help,
17 you know, get it to the right -- the right
18 individuals.

19 So just a little bit in terms of
20 outline tonight before I introduce Neil. You
21 know, Neil's going to have a presentation, It
22 will be approximately 30 minutes, to try to --
23 for those of you that have seen the report,
24 it's pretty dense. There's a lot of material

1 in there. He's going to try to do his best to
2 summarize it, using some visuals along the way
3 in terms of the words to back it up.

4 The -- in terms of this meeting,
5 it is a public comment meeting. It is a formal
6 meeting in terms of with the Act 2 process. So
7 to my life (sic) -- to my left, your right, is
8 Cheryl. She's a stenographer. So she'll have
9 to be taking notes for that. So when the
10 opportunity comes, I just ask people to speak
11 clearly. She may ask for, you know, detail or
12 to pause or -- or something like that if you're
13 speaking too fast, things like that. But I'll
14 leave it to Cheryl. But I just ask you all to
15 give that courtesy to her so she can get this
16 together and have a good report of the meeting.

17 The meeting's also being filmed
18 and recorded. So the PowerPoint will go live
19 on the website probably first. But,
20 ultimately, the recording will also be
21 available there. And we'll work with the
22 township and others to make sure it's posted
23 on -- on the appropriate sites.

24 Again, for the -- the meeting,

1 it being specific to this report, we have the
2 sign-in sheet outside. A number of people have
3 signed in. I already have the first page of
4 speakers. So we'll go chronologically through
5 them, prioritizing first people that are from
6 Upper Makefield, and specifically the
7 neighborhood, and then go to the others.

8 we're going to ask that -- so I
9 should back up a second and say that the church
10 has asked us to try to wrap up by 9:30. And
11 thank you to the Crossing Church for being
12 hospitable to host us here.

13 So we're going to give each
14 person that comes up about five minutes, to try
15 to get up, you know, with their public comment
16 or questions. We ask that the questions are
17 related to the report. Again, this is a
18 specific meeting related to the report and the
19 Act 2 process.

20 And we'll do our best to answer
21 those questions. In some cases, for public
22 comment and other things, we'll give an answer
23 tonight. But some answers may be provided in
24 more detail in the response document that comes

1 from it. Questions that -- that aren't
2 relevant to the report, we'll try to steer it
3 back towards the report.

4 So with that, I want to take a
5 moment to introduce Neil Ketchum and Verdantas.
6 So Neil is the department leader, senior
7 consultant with Verdantas, as previously the
8 president of Groundwater Science Corporation,
9 which is now part of Verdantas. It's
10 Pennsylvania-based. Neil is, as well as
11 Verdantas, with six PA offices.

12 Neil brings over 25 years of
13 broad technical management experience in
14 environmental site assessments and groundwater
15 and soil contamination investigations. He's
16 worked on all, from soil and groundwater
17 remediation, post-remediation, post-closure
18 maintenance and monitoring, and has managed
19 dozens of Act 2 and storage tank sites in
20 Pennsylvania.

21 He's a technical third-party
22 reviewer for the underground -- Pennsylvania
23 Underground Storage Tank Indemnification Fund
24 program. And he's also appointed -- been

1 appointed to the PADEP Cleanup Standard
2 Scientific Advisory Board. So he's involved in
3 all things Act 2.

4 I wanted to highlight that in
5 terms of Verdantas and Neil, just to understand
6 that Neil is not an Energy Transfer employee.
7 He's an expert with a third party and has
8 significant expertise in terms of all things
9 Act 2 in Pennsylvania.

10 So with that, I'll turn it over
11 to Neil.

12 MR. KETCHUM: Thanks, Joe.

13 So just a quick summary of -- of
14 where we are with the investigation. We've got
15 a lot of activities and documents or submittals
16 listed here on this slide. Some of these are
17 general Act 2 submissions. And some of these
18 are things that come from the Administrative
19 Order, so they're in addition to general Act 2
20 submissions.

21 I just wanted to point out a
22 couple of them. There's daily reporting to the
23 DEP, that's on weekdays, for the activities
24 that occur during each day. There was a public

1 involvement plan that was submitted. That's
2 not a standard Act 2 thing. This is part of
3 the public involvement plan, the implementation
4 of that, this meeting. There were interim
5 remedial action plans. Remedial action
6 progress reports are done periodically, a vapor
7 intrusion investigation progress report, the
8 site characterization work plan that was
9 submitted in April and then in June. That was
10 just approved a few days before this report was
11 submitted. And then the interim site
12 characterization report that we're talking
13 about tonight.

14 And in the future, just to look
15 where things are headed, we'll complete the
16 characterization activities, remedial action
17 progress reports. Again, those are periodic
18 submissions, so those come with a time frame.
19 I think it's every 90 days or so. Remedial
20 action plan, so any long-term remediation
21 that's necessary would be documented in the
22 remedial action plan. And then the Act 2 final
23 report, which is the official Act 2 report.
24 That is in Act 2. There's a final report for

1 the way we've -- we propose to do this.

2 So the purpose and objectives of
3 the report, again, it's the -- this report was
4 not a required submission under Act 2. It's
5 part of the Administrative Order. The timing
6 for the submission comes from the
7 Administrative Order process and the -- the
8 interactions with SPLP and the DEP.

9 So it was just a calendar
10 submission. It didn't line up with any
11 specific milestone in the characterization
12 process. It's a snapshot in time on
13 September 2nd of where SPLP was with the
14 characterization activities.

15 The report provides a current
16 status of the ongoing characterization of soil
17 and groundwater impacts from the release from
18 the pipeline. And the goal of this
19 characterization is to define the nature and
20 extent of the impacts from the release and to
21 gather information that's necessary for the
22 development of a required remedial action plan.

23 The general report layout is,
24 there's background information. Then there's

1 the description of the characterization
2 activities. That's really the -- what -- what
3 activities were performed. Then there's the
4 findings and the results, what was found with
5 those activities. And a summary of the interim
6 remedial actions. That's what -- some of the
7 cleanup activities that were performed.

8 I'm going to turn a little bit
9 so I can see the figures, if you guys don't
10 mind.

11 So this is Figure 2.1 from the
12 report. You can see the release location is --
13 the release location is identified right in
14 this area. This is the western area of the
15 neighborhood.

16 The darker blue shading is the
17 topographic watershed. That's the -- the
18 general area that the activities have been
19 focused in, in the neighborhood. Yeah, the
20 darker blue shading is generally the
21 characterization activities in the
22 neighborhood. I get topographic watershed of
23 the -- on top of the -- I'm sorry, the aerial
24 foot -- the aerial photograph on top of the --

1 the topographic watershed on top of the aerial
2 photograph.

3 So for orientation, you can see
4 the streets are named here. I don't know how
5 many of you have looked at your neighborhood
6 from an aerial photograph. There's a distinct
7 pattern of streets, so it pops out in my head.
8 I don't know if you guys have seen it. You
9 probably noticed it with the maps now. But
10 you've got Spencer, Walker, Glenwood.

11 Next in the background is the
12 regional geology and hydrogeology. This is a
13 bedrock geology map. This comes from the state
14 survey, geologic survey. Again, the
15 neighborhood is this general area. The release
16 location is generally about here.

17 This color represents the
18 bedrock unit that's beneath the topo -- the
19 surface beneath the soil, and it's the --
20 called the Lackatong Formation. It's a
21 sedimentary rock formation. It's Argillite or
22 really just hardened mudstone, so fine grains
23 of sediment cemented together.

24 The bedrock is fractured, which

1 is common for rocks of this age, common across
2 lots of places in Pennsylvania. The
3 groundwater is generally present in the
4 fractures. So instead of being some rocks, the
5 water's in the pore spaces between the grains
6 of the rock, in this setting, the rock -- the
7 water is actually in the fractures in the rock.
8 The groundwater movement then is controlled by
9 the fractures in the rock.

10 The regional groundwater flow is
11 expected to be eastward, just based on
12 topography and general recharge/discharge
13 relationships. So from this general direction
14 towards the right-hand side of the slide.

15 So getting into the
16 characterization activities, SPLP initiated
17 these activities as part of the investigation
18 into the release. The site characterization
19 work plan, like I said, was submitted on
20 April 18th. A revised work plan was submitted
21 on the 27th. And the DEP approved it the
22 Friday before this report was submitted.

23 The first group of -- I'm
24 summarizing this so we don't go through every

1 single line. It would take too long. I want
2 to save time for you guys to ask questions and
3 comment.

4 So geophysical investigation is
5 the first big group of activities that were
6 done. And I think if you've been to any of the
7 other public meetings for SPLP, this was
8 presented by Tim Bechtel. It's -- there was
9 aerial photographic review, so look at aerial
10 photographs, look at satellite images of the
11 area, and look at the topographic maps. And
12 you look for linear features, things that line
13 up. That gives you a sense of what's going on
14 underneath the ground.

15 On top of that, then there was
16 electrical resistivity imaging, or ERI imaging.
17 And that's a superficial geophysical technique
18 where they put instruments across the surface
19 of the ground through the neighborhood and take
20 measurements. And that can tell you whether or
21 not there are underground electrically
22 conductive features that may represent
23 water-bearing fractures.

24 That's what we've got a picture

1 of up here. These lines are from the
2 geophysical survey. They represent inferred
3 fracture traces. We'll get into that a little
4 bit later when I get to the results section.

5 There's also a seismic
6 refraction survey done to produce a top of rock
7 elevation map. So, again, another surficial
8 geophysical technique that was done.

9 And then additional geophysics
10 were borehole geophysics. So instead of going
11 across the surface, these were geophysical
12 techniques to go down through a few of the
13 boreholes. That was done at three domestic
14 water supply wells and at the four recovery
15 wells. So, again, the geophysical tools went
16 down through -- into the ground through
17 boreholes instead of across the surface.

18 Another characterization
19 activity was the assessment and recovery of
20 light non-aqueous phase liquid, or LNAPL.
21 That's the petroleum product. So there were
22 recovery wells installed, packer testing of the
23 recovery wells.

24 These wells were installed to

1 help facilitate the removal of the separate
2 phase liquid or the -- the LNAPL. Sorry, I use
3 "separate phase liquid" a lot. So LNAPL, the
4 same, same stuff, petroleum product, light
5 non-aqueous phase liquid, LNAPL, or separate
6 phase liquid. It's the same -- same stuff.

7 There's also gauging of six
8 domestic water supply wells, the recovery wells
9 and monitoring wells. And that's just taking a
10 measurement device and going down into the well
11 and looking for the presence of LNAPL. We have
12 devices that can separate or can differentiate
13 between water and LNAPL floating on top of the
14 water table. And you can get the thickness of
15 that.

16 Ultraviolet light assessments.
17 So the Jet A product is clear. But with
18 ultraviolet light, petroleum products
19 fluoresce, they glow. So SPLP had ultraviolet
20 light we could send down through the well and
21 look at the sides of the borehole to see if
22 there was separate phase liquid, and if there
23 was, where that might be coming in, if it lines
24 up with fractures and -- and things like that.

1 LNAPL recovery. So when that
2 LNAPL is found, SPLP immediately initiates
3 recovery efforts to get that LNAPL out of the
4 ground. And that's done, through the initial
5 discovery of the release, with the excavation.
6 All that soil material was removed, and there
7 was LNAPL entrained in that, but then also in
8 active and passive recovery efforts in -- in
9 the recovery wells and in the domestic water
10 supply wells, where there was LNAPL present.

11 So soil characterization.
12 Again, I mentioned the soil excavation. In
13 February 2025, there was the excavation and
14 removal of impacted soil, weathered bedrock
15 around the release location. This soil was
16 removed and taken to a landfill and properly
17 disposed of. There were samples collected on
18 the sidewalls of that excavation and on the
19 base of that excavation, to evaluate the soil
20 quality at the edges.

21 Then there were borings
22 installed around that excavation to do further
23 evaluation of the soil in that vicinity. There
24 were also soil borings along the pipeline trace

1 in Glenwood Drive, to see if there was any soil
2 impacts along the pipeline in that direction
3 and east.

4 And then groundwater
5 characterization. There's been sampling of the
6 domestic water supply wells. Again, this
7 report was submitted on September 2nd. We had
8 to pick a date to cut off the data so we could
9 produce the report. So for a lot of the data,
10 it was August 15th.

11 So for the domestic water supply
12 well sampling, as of August 15th, there had
13 been 1,289 samples from 363 individual domestic
14 water supply wells. This is the sampling from
15 within the house or connected to the water
16 system, the pressure tank, et cetera. I did
17 check, and the last daily report I pulled up
18 there, that number's up to 1,340 samples.

19 Point of entry treatment
20 systems, the POET systems, have been installed.
21 They're monitored and -- and maintained. As of
22 August 15th, SPLP facilitated and reimbursed
23 property owners for the installation of 181
24 POET systems. And I -- that number is now up

1 to 199 POET systems.

2 And 20 monitoring wells had been
3 installed as of -- now, this goes to
4 October 20 -- or, I'm sorry, August 29th. So
5 that was like the Friday before the report was
6 submitted. There were 20 monitoring wells
7 installed.

8 They're depicted here on this
9 figure. Each of these triangles is a
10 monitoring well. And if you look at their
11 groups and pairs, so there's purple, what looks
12 to me is purple, and blue. The purple wells
13 are shallow wells. They're donate --
14 designated with an "S". And the blue wells,
15 designated with a "D," those are the deeper
16 wells.

17 So the shallow well is generally
18 20 to 40 feet monitored interval in depth. And
19 the deeper well is generally 50 feet to 75 feet
20 for the monitoring -- monitored depth.

21 Two wells out on Spencer, two
22 clusters, four wells out on Spencer, they're
23 highlighted yellow in the report, because those
24 wells had not been surveyed yet as of the time

1 of the report submission. So we wanted to make
2 sure we designated those because the location
3 might move slightly when it's actually surveyed
4 with the exact location.

5 The next item in the
6 characterization is the potential vapor
7 intrusion evaluation. So this is -- indoor air
8 sampling was conducted at six houses and
9 subslab soil gas sampling -- that's tough to
10 say, it's tough to write too -- at 16 houses.
11 So indoor air is just like what it sounds like,
12 it's sampling the air inside the -- the home.
13 And subslab soil gas sampling is sampling the
14 air beneath the basement slab.

15 Location of the samples, which
16 houses to do that sampling, was determined in
17 coordination, SPLP with the PADEP and the PA
18 Department of Health. They work together to
19 figure out where to do the -- that sampling.

20 And lastly, for characterization
21 activities, the surface water assessment.
22 There's first daily and then weekly visual
23 assessment of nearby surface water bodies, and
24 then weekly sampling of surface water bodies at

1 six locations. In addition to that, the DEP
2 did their own independent surface water
3 evaluation.

4 So now to get into the findings.
5 Again, the geophysics we talked about, these
6 yellow lines are from the ERI survey. They
7 represent anomalies in the survey that are
8 connected. So they -- they line up and create
9 these linear features. They're inferred
10 fracture traces. So the -- the belief is,
11 these are expressions of underground fractures
12 based on the geophysical techniques.

13 And you can see most of them are
14 oriented in a -- from the bottom left to the
15 top right. That's southwest to north -- or,
16 yeah, southwest to northeast orientation.
17 That's consistent with the published literature
18 on the geology of the area. It's consistent
19 with the aerial photograph, remote sensing and
20 topographic linear assessment that was done.
21 So all those things line up and it all makes
22 sense.

23 This information was used to
24 guide the placement of the recovery wells and

1 the monitoring wells. So we have this data.
2 And this helped us figure out where we wanted
3 to put the recovery wells and the monitoring
4 wells.

5 This is another -- a
6 representation of the seismic refraction
7 geophysical survey. So this is, again, that
8 surficial -- surface geophysical survey.

9 This is a contour map. So I
10 don't know everyone's familiarity with these
11 kinds of maps. If you were -- either were
12 watching or reviewed the public meeting where
13 Tim Bechtel presented this data, it was
14 actually a color flood, so it was lots of
15 colors across the map.

16 what we've done is, instead of
17 having the colors go across the map, it's just
18 the -- drawing a line between where the colors
19 changed. So these are just lines. But it's
20 the same data that was presented with the color
21 flood. It's just, for some people, it's a
22 little bit easier to see through the -- the
23 color and see what's underneath.

24 But, again, this is the top of

1 bedrock surface from the geophysics.

2 And generally speaking, it's in the western
3 part of the study area. It's in the 200s. You
4 can see those lines, I'll say, you know, in the
5 200s. And in the eastern area here, they're
6 down towards 150.

7 So that means the elevation of
8 the bedrock gets lower as you move eastward,
9 which makes sense because the surface, the
10 ground surface, does the same thing. So as you
11 move eastward in the neighborhood, the
12 elevation's getting lower.

13 For the hydrogeology, there's
14 been daily, on weekday, measurements in all the
15 monitoring wells and recovery wells. This
16 report has data up through the 13th or the
17 14th. Again, we had to pick a time to stop to
18 get it into the report on September 2nd.

19 So this map represents the water
20 levels in the shallow monitoring wells on
21 August 13th. I just want to make sure I got
22 that right.

23 So the water table is that --
24 when you first encounter water or the water

1 level in the shallow monitoring wells, not the
2 deep monitoring wells, but the shallow
3 monitoring wells. And it's between -- oh,
4 again, on this date, it was between
5 three-and-a-half and 30 feet deep.

6 I'd just note that the water
7 levels change over time. And in fact, we
8 haven't gotten rain for a while, so the water
9 levels are dropping. When we get rain,
10 generally water levels will go back up. That's
11 the nature of this.

12 So this is a snapshot in time on
13 August 13th. It shows the lateral hydraulic
14 gradient. So the water level -- groundwater
15 flow is driven by two different things. One is
16 the -- the head or the -- the gradient. So the
17 head in the well is the water level in the
18 well. And the higher the water level, the --
19 versus another water level, that head gradient
20 is what drives that water flow.

21 So this shows that head gradient
22 in the shallow wells. These are contour lines
23 representing equal elevation, 210 and 180, so
24 generally southeast or eastward flow.

1 You'll notice that we don't have
2 any data out here where those wells that were
3 in yellow on the previous -- on the previous
4 slides, because those wells weren't actually in
5 on August 13th. So we -- we don't have any
6 data from them because they weren't installed
7 yet.

8 We've got new data being
9 collected every day. We've got new wells
10 installed. And I'll get to that. So what
11 we're talking about here is just what's this
12 one day and -- that's summarized in the report.

13 But what I noted earlier, and if
14 you can remember, the yellow lines generally
15 move in this direction. And so you've got this
16 head gradient, and that's the way the water
17 wants to flow, but it can only flow through the
18 fractures. So it's controlled by where the
19 fractures are. And they're running that
20 northeast to southwest direction.

21 So we -- we believe, and the
22 evidence shows, that water is flowing in an
23 eastward or northeastward direction, even
24 though that head gradient looks like it's to

1 the south-southeast. And this is common in
2 fractured rock settings, that head gradient
3 doesn't match up with the fractures, but the
4 water follows the fractures.

5 So, again, these are daily
6 measurements. This is just one snapshot in
7 time. We've got many water level measurements
8 since this map. We've got more wells installed
9 since this map was created. And all that data
10 is being evaluated as it comes in.

11 The water levels in the deeper
12 wells, so those -- each well has -- or each
13 area has a shallow and a deep well. They're
14 grayed out on this map. But those deeper
15 wells, the water level is a little bit lower
16 than the shallow well, and that indicates that
17 there's a downward vertical gradient. So just
18 at each location, there is a component of flow
19 that is downward, not just lateral, but
20 downward.

21 And that's what you would
22 expect, because there are domestic water supply
23 wells in the neighborhood, and they're all
24 pumping. So that would make water level

1 waters -- water move downward.

2 Next, we'll get into the extent
3 of the LNAPL, again, the -- the petroleum
4 product. So this map shows the historical --
5 and this is the top of Figure 4.4. Figure 4.4
6 in the report had two panes. There was a pane
7 on the top and a pane on the bottom, or window
8 on the top, window on the bottom. This is the
9 top of that. This is the historical detections
10 or historical observations. And this is any
11 well that had observed LNAPL in it from
12 February to August. So that's a big window of
13 time. And you can see there are yellow dots on
14 six domestic water supply wells and the
15 recovery wells. So those are the yellow dots.

16 There's a purple dot there, too.
17 One water supply well had an initial detection
18 of LNAPL that didn't appear to be jet fuel. It
19 didn't look like the product in every other
20 well. And it didn't smell like the product in
21 every other well. It wasn't the same color.
22 It wasn't the same consistency. It wasn't the
23 same odor. That product was removed and then
24 it didn't come back. So that -- that product's

1 not present anymore.

2 But you can see the general
3 location. Again, historically is, the
4 locations are around the release location or to
5 the northeast of the release location. Again,
6 that lines up with the fractures with all
7 the -- the data that we've got.

8 The next slide is recent. And
9 recent, again, recent to the report, is the
10 11th and 12th of August. So on this map, you
11 can see there are more dots because there are
12 more measurement locations. So we've got
13 monitoring wells installed. And in the
14 August 11th and 12th, there was no LNAPL in any
15 of the monitoring wells you can see with the
16 green dots. That's -- that's a little
17 washed-out green, but those are green dots. So
18 no LNAPL found in those. And there's one
19 domestic water supply well and two recovery
20 wells that have LNAPL in them in that August
21 time frame. So, again, these three yellow
22 dots.

23 So the decreased number of
24 locations that LNAPL's seen in, and then also

1 not captured on a map, but the thickness of
2 LNAPL is actually decreasing. Where we do find
3 it, it's thinner. So we can measure the
4 thickness. It's thinner. And that suggests
5 that the -- the lateral extent of the LNAPL is
6 shrinking. It's -- it's decreasing in volume.

7 Next, the extent of
8 contamination of soil. There have been
9 multiple rounds of soil sampling that showed
10 that the contamination associated with the
11 pipeline release was delineated and it was
12 remediated with the excavation. So that data
13 is all present in the report.

14 And then the extent of
15 groundwater contamination. Again, in that same
16 mindset of the LNAPL, the historical aggregate
17 sampling of the domestic water supply wells
18 showed six water supply wells with
19 concentrations of substances above the
20 standard, above the drinking water or the Act 2
21 Groundwater MSC. It's the standard that's set
22 by the state, the concentration limits set by
23 the state. So, again, six of them,
24 historically.

1 And as of August 15th, there
2 were only three water supply wells that had
3 concentrations above that standard.

4 So the VOC concentrations above
5 the standard are generally -- and I'm just
6 going to use this map -- generally distributed
7 in that same pattern, in that northeast
8 orientation.

9 For the monitoring wells, 12
10 of -- there were 16 monitoring wells that were
11 sampled by the time the report was submitted.
12 Twelve of those 16 wells had non-detectable
13 concentrations in the first sampling round. So
14 nothing was detected. The laboratory didn't
15 see anything. In two of the samples, so two of
16 the 16, it showed concentrations that were
17 detected, but they were below the -- the
18 standard, below the state's groundwater
19 standard.

20 There were also two detections
21 that were below the laboratory's -- and I'm
22 going to make sure I say this right -- below
23 the laboratory's method detection limit. So
24 that's a concentration that the lab

1 instruments, they think they see something, but
2 it's out of their calibration, below their
3 calibration range, and they report it as a
4 "j" value. They think there's something there,
5 but they don't have the precision or accuracy
6 to really quantify it. So it's called an
7 estimated value or a "j" value.

8 So, again, there are more wells
9 that were installed that are being sampled, so
10 we'll get a -- a bigger picture. And then
11 those wells will be sampled periodically
12 together. And that gives us a picture of the
13 concentrations over time.

14 As far as the recommendations
15 for groundwater characterization, we've
16 actually started this already. SPLP started
17 this water level study. So all the monitoring
18 wells, after they're sampled that first time,
19 pressure transducers were installed in the
20 monitoring wells. And these are just water
21 level measurement devices that are placed in
22 the well. And they stay in the well so they
23 can record water levels. It's technically not
24 continuously, but on minute intervals or

1 multiple -- I don't remember exactly what the
2 intervals are set for, but it's many times,
3 many, many, many times an hour, we get water
4 level measurements. And that's in all the
5 monitoring wells and the recovery wells.

6 So after they're sampled the
7 first time, a transducer, pressure transducer,
8 with a data logger, they're all in one piece
9 these days, is installed. And we'll get that
10 water level data. That will tell us about how
11 the water levels are changing over time and how
12 they change relative to one another. It gives
13 us a lot more data than just going out to the
14 well daily and doing a manual measurement.

15 We're also going to do pulse
16 testing, which is a single well aquifer test.
17 That gives us some hydrogeology measurements of
18 the well. But most importantly, it gives you
19 an understanding of how the water's
20 transmitted, how easily water's transmitted in
21 the formation around each well relative to the
22 other wells. So it can give you a sense of,
23 you know, water is moving more easily in this
24 area than this area, or deeper than shallower.

1 So that gives us that hydraulic connectivity
2 estimate.

3 Again, this is fractured rock.
4 So if there are any hydrogeologists out there,
5 you know it's a little bit tricky with
6 fractured rock, but we're doing that.

7 Additional monitoring wells were
8 installed last week and actually finished this
9 morning. Those wells are generally -- well, I
10 can show -- generally in this vicinity. I
11 think we have another map that I can show a
12 little bit better.

13 And after all that data comes
14 back, we'll be able to evaluate whether or not
15 additional monitoring wells are needed. And
16 that would be in concert with the DEP.

17 Vapor intrusion findings. The
18 initial indoor air sampling results suggested
19 that there were conditions unrelated to the
20 pipeline release that were affecting the -- the
21 indoor air samples. That's a common thing with
22 indoor air sampling. Even the DEP's technical
23 guidance manual even mentions that these indoor
24 air samples can be heavily influenced by

1 background conditions.

2 Subslab sampling looks like it
3 will be a little bit better diagnostic. Again,
4 that's the air underneath the basement slabs.
5 That sampling, two rounds have been done on six
6 homes. The first round done on an additional
7 10 homes. We're waiting on -- we're going to
8 conduct the second round. I think we're
9 scheduling a meeting tomorrow. So that will be
10 in the next couple weeks. You have to have 45
11 days in between those sampling events to have
12 those be independent sampling events.

13 So we'll get that data back.
14 We'll evaluate that with the DEP and with the
15 Department of Health, and see what the next
16 steps for that are.

17 The surface water findings. The
18 visual assessments have not detected any
19 petroleum sheen or odor at the observation
20 locations. And the analyzed substances, none
21 were detected at concentrations above the --
22 the screening values.

23 In places where there were
24 detections of substances in the water samples,

1 it was about the same concentration in samples
2 upgradient of the pipeline and downgradient of
3 the pipeline, indicating it's not from the
4 pipeline. So the same concentration upstream
5 as downstream, it -- it physically can't be
6 from the pipeline itself.

7 And this is a summary of the
8 interim remedial progress, so, again, the
9 activities that have been done for remediation.
10 SPLP estimates about 644 gallons of product
11 were removed with the soil. So, again, around
12 the release location around the pipeline, when
13 that soil was dug up, they estimated about
14 600 -- the equivalent of 644 gallons of -- of
15 LNAPL were removed.

16 As of the time of this report --
17 again, we used August 15th -- 338 gallons of
18 LNAPL had been removed from the recovery wells
19 and the water supply wells that had LNAPL in
20 them. 182 of those 338 gallons were from RW-2
21 and RW-3. Those are the recovery wells.
22 That's about 54 percent.

23 I checked today, and I think
24 it's from Friday's report, that number from 338

1 is now up to 387 gallons. And as far as the
2 ratio, 225 of the 387 gallons came from the
3 recovery wells. So, again, that's 58 percent.

4 So that tells you that the
5 majority of the LNAPLs coming from the recovery
6 wells, which was the purpose of putting those
7 recovery wells in, that's working.

8 So this figure -- I'm going to
9 try and point and talk at the same time here --
10 there are two lines here. There's the brown or
11 orange line, and that is the daily rate, so the
12 number of gallons each day, the number of
13 gallons of product or LNAPL removed each day
14 from all the wells. And the access for that is
15 on the right-hand side here.

16 The blue line is taking those
17 daily measurements. And you just keep adding
18 them up each day. So it's the cumulative
19 number of gallons removed. So the blue line is
20 always going up. And where there are high --
21 or spikes or high numbers with the orange line,
22 you get the blue line jumping up quicker than
23 it had before. So the -- the curves are
24 related to each other.

1 But you can see there's a spike
2 on the initial day of recovery when wells are
3 brought online. So when you first discover the
4 LNAPL, oftentimes you do that removal and
5 you -- you don't -- you oftentimes don't get
6 the same amount returning as you see as you --
7 when you first encounter it.

8 This is when Spencer Road and
9 Walker Road water supply wells were brought
10 online. And then in this time frame, again,
11 late May, early June, is when the recovery
12 wells were brought online. And you can see
13 this is RW-2.

14 And again, you can see with the
15 blue line, that's when this blue line really
16 gets steeper. So the recovery wells are
17 getting more product recovered out of the
18 ground, the blue line gets steeper. That's
19 more gallons of product coming out of the
20 ground in a -- in a shorter amount of time.

21 Another thing to point out on
22 this graph is, from about July onward, mid-July
23 onwards, the daily rate of recovery is
24 decreasing, which happens pretty frequently.

1 And you can see that same thing happen in the
2 blue line. Again, these are the -- it's the
3 same data, but the blue line, it starts to roll
4 over or get a little bit flatter, indicating
5 there's less recovery happening every day.

6 And then, yeah, there's the
7 reference section. There are 43 appendices to
8 the report. That's the previous submissions,
9 generally, or data that's there. The site
10 characterization report and all the appendices
11 are on the Upper Makefield incident website.
12 And again, like Joe said, there's a paper copy
13 available at the township office.

14 MR. MCGINN: Thank you, Neil.

15 So, again, before we get started
16 with the public comment portion of the meeting,
17 I just want to remind folks here that in
18 addition to tonight, public comments will be
19 accepted in writing up to October 17th. They
20 can be done via e-mail, with the e-mail listed
21 here, UpperMakefieldAct2@energytransfer.com, or
22 via U.S. mail to the 525 Fritztown Road
23 address.

24 Again, please put the comments

1 to the attention or in the subject line of
2 ICS -- or, excuse me, "ISCR Public Comment."

3 So turning to public comment for
4 tonight, I have the first sheet here, I know
5 Joe is walking up, with additional people that
6 have signed up. If you haven't signed up yet
7 and you want to comment or ask questions
8 related to the report, you can -- you can do
9 that and still sign up. The sign-up sheets are
10 right outside.

11 We're going to try to go through
12 these in order. As I said, we're prioritizing
13 individuals that live in the neighborhood first
14 to come up, and then covering others that may
15 have signed up for public comment that don't
16 live in the neighborhood.

17 We're asking everyone to keep
18 their -- their comments or questions to five
19 minutes. We are prepared. And Neil went
20 through and methodically kind of tried to
21 summarize the report section by section.
22 Hopefully, that was helpful for people that
23 have or haven't read the report, so that you
24 can expound on that or ask your questions

1 directed to the report. But, again, that's
2 what this -- this meeting is for.

3 And so with that, we will start
4 in terms of going through the public comment.

5 So first up I have as Joe
6 Babiasz from Crestwood Road.

7 MR. BABIASZ: Hi. Joe Babiasz,
8 102 Crestwood Road.

9 So as noted in the ISCR, the DEP
10 Administrative Order defined one of the
11 purposes as including the interim
12 characterization of the extent, direction, rate
13 of movement and volume of contaminants. The
14 ISCR does not explicitly quantify the rate of
15 movement or the volume. It also does not
16 depict the extent of the contamination with a
17 map of the plume. So with these in
18 consideration, a few follow-up questions.

19 To meet the stated purpose of
20 the ISCR, when will a revised spill volume
21 calculation be made available?

22 MR. KETCHUM: Yeah, I don't
23 think there's any information -- my
24 understanding is, there's not any information

1 that would lead to a revision of the spill
2 volume. But for the Act 2 purposes, the volume
3 of the spill doesn't -- doesn't really come
4 into play. It's the distribution and the
5 concentrations in the -- of contamination in
6 the media.

7 So the soil concentrations,
8 that's the volume that they're talking about,
9 the volume of soil and the volume of water
10 contamination. That's how Act 2 works.

11 So those -- that information,
12 when we have two rounds of data from the full
13 monitoring well network, we can start to do
14 that. And then there would be a plume map of
15 this developed.

16 Again, it didn't make sense to
17 do a plume map of non-detects from the first
18 round in some of the monitoring wells. It's
19 just the nature of the report, the timing of
20 it, it's not based on completion of a certain
21 task or reaching a characterization milestone.
22 It was just a calendar date that didn't have
23 anything to do with the activities.

24 So a subsequent submission will

1 have that data in it.

2 MR. BABIASZ: Okay. So, I mean,
3 these are not my words. These are the words
4 stating the goal of the ISCR.

5 MR. KETCHUM: Absolutely.

6 MR. BABIASZ: It says it will
7 include volume. There is not a volume in
8 there.

9 MR. KETCHUM: No, you're
10 absolutely right that that's what the goal for
11 an interim site characterization report is.

12 The problem we run into is, the
13 date that the report needed to be submitted was
14 dictated as September 2nd. It didn't have
15 anything to do with having collected data that
16 you could -- you could satisfy that goal.

17 MR. BABIASZ: So we had a -- an
18 estimate of 156 barrels that was submitted in
19 February. So are you stating that there is not
20 a revised estimate? You're saying that does
21 not exist?

22 MR. KETCHUM: I'm not aware of a
23 revision to that estimate.

24 MR. BABIASZ: Okay. During the

1 timeline of the leak, what is the amount of
2 product put into the pipeline and what is the
3 amount retrieved from the pipeline?

4 MR. MCGINN: And again, the
5 focus of the meeting is on that report. And
6 that's not something that's addressed here that
7 Neil is prepared to answer.

8 MR. BABIASZ: Again, this is the
9 stated goal of the report from the DEP. And
10 I'm just asking for a simple answer. A goal is
11 to quantify the volume, and there's no volume.

12 MR. KETCHUM: Just for
13 clarification, the volume is the volume of
14 contaminated media. That's what -- that's what
15 that means. That's what's in the TGM. So it's
16 the contaminated media of soil and groundwater,
17 and then any separate phase liquid. But it's
18 the -- what you've encountered during
19 characterization.

20 It's not -- this -- I don't
21 think the Act 2 -- well, I know the Act 2
22 intent is not to talk about release volumes and
23 evolving estimates of release volumes.
24 That's -- that's not what Act 2 is about.

1 So the volume that you're
2 referencing is volume of contaminated soil, the
3 volume of contaminated groundwater. What
4 you're talking about is release volume from a
5 pipeline. Different volumes.

6 MR. BABIASZ: Okay. So you may
7 have covered this.

8 When will a map identifying the
9 location of the plume and its rate of movement
10 be released to the community? Is that --
11 you're saying that's an ongoing task?

12 MR. KETCHUM: Yeah, absolutely.
13 So now that we've got -- this showed 20
14 monitoring wells. Two of them had -- or four
15 of them had not yet been sampled. Those wells
16 have been sampled, I think were sampled on
17 Friday. Six new additional monitoring wells
18 have been installed. They were the last -- the
19 sixth one was completed this morning.

20 So when we have that data, we'll
21 have monitoring well data that we can prepare a
22 plume map.

23 MR. BABIASZ: And finally, so as
24 you noted, there was a date cutoff for a lot of

1 the report.

2 Do you know how many recovery or
3 monitoring wells are planned in addition to the
4 ones from August and September? And will a
5 full list be made available to the community
6 for those?

7 MR. KETCHUM: Yeah, we got that
8 question quite a few times. That's not how
9 characterization works. You don't know
10 beforehand exactly how many wells are
11 necessary.

12 So what we do is, we put the
13 wells in that we thought we needed based on the
14 data that we had that evolved. So there were
15 three phases of monitoring well installations.
16 And now we're up to 26 monitoring wells.

17 So we'll look at that data and
18 see what that data shows us. And then we'll
19 determine whether or not additional monitoring
20 wells are necessary. And that will be in
21 concert with the DEP. A standard iterative
22 process, that's how characterizations work.

23 MR. BABIASZ: Okay. So just a
24 final comment about the volume.

1 You know, we've been living with
2 this for eight months. We're trying to ask a
3 simple question, how much of this fuel is under
4 our community. We are not getting a straight
5 answer on that.

6 So, you know, whether or not
7 there's a technical definition of volume, like
8 it is definitely relevant to the people who
9 live here and how we characterize the
10 situation.

11 MR. KETCHUM: Absolutely.
12 Understood. Yep.

13 (Applause)

14 MR. MCGINN: All right. Thank
15 you. Thanks, Joe.

16 Our next public comment is from
17 Kimberly. And I can't -- Kimberly S.

18 MALE AUDIENCE MEMBER: Smith.

19 MR. MCGINN: Smith. Oh,
20 Spencer.

21 MS. SMITH: Joe, we've met
22 before,

23 MR. MCGINN: Sure.

24 MS. SMITH: So I noticed in the

1 report some interesting locations for
2 redactions. What is the criteria that Energy
3 Transfer uses when redacting information for
4 privacy reasons in this report?

5 MR. MCGINN: So in terms of
6 information that's redacted, one of the
7 specific things, and it's come up in previous
8 meetings, is on private information, things
9 that identify specific homes, addresses,
10 landowners. And that's information that is --
11 is just an example of something that would be
12 redacted.

13 MS. SMITH: So -- so that makes
14 sense to me.

15 However, why would a well depth
16 be being redacted from this interim site
17 characterization? Why is a well depth? I
18 don't know people's well depths.

19 MR. MCGINN: I'm not -- on
20 the -- you're saying individual people's well
21 depths?

22 MS. SMITH: There are locations
23 within the report, I'm sure you have a copy in
24 front of you, where there are redactions. And

1 the depths of the wells are redacted in the
2 report.

3 MR. MCGINN: Yeah. I mean --

4 MR. KETCHUM: The depths of --

5 MS. SMITH: The depths of --

6 MR. KETCHUM: -- domestic water
7 supply wells?

8 MS. SMITH: Yeah. So it will
9 give information. It will probably say the
10 address. And then the next would be the depth
11 of the well. And I don't understand why that
12 information would be redacted. Because my
13 curiosity lies in why the depth of the recovery
14 wells are 75 feet, when all of the product has
15 been -- been taken from a much deeper depth.

16 MR. MCGINN: Well, do you want
17 to touch on the depth of the recovery --

18 MR. KETCHUM: Yeah. So the
19 recovery wells are 65 to 75 feet. And I'm not
20 sure about the redactions. I -- I have to look
21 at that specifically. But the depth of the
22 product is generally shallower. It's on top of
23 the water table.

24 So I'm not sure what information

1 you're talking about as far as it being taken
2 down deeper.

3 MS. SMITH: well, I'm just
4 asking why the depth of the well is redacted,
5 if you can answer that question.

6 MR. MCGINN: I can't give a
7 specific answer in terms of that detail.

8 MS. SMITH: Okay. So the
9 criteria of the Energy Transfer redaction, when
10 you redact information, we'd like to better
11 understand that, because when we're reading a
12 report with lots of black all over it, we'd
13 like to know why all of the information has to
14 be redacted.

15 Another question that I have is,
16 residents are receiving numerous unsolicited
17 calls from Suburban. We've not given them our
18 telephone numbers. Why are you sharing our
19 contact information without our permission?

20 And they're calling my cell
21 phone, my husband's cell phone, e-mailing all
22 of us, e-mailing me at work, information I
23 certainly haven't shared with Suburban.

24 MR. MCGINN: That's the -- the

1 first I've heard that myself and can look into
2 it.

3 MS. SMITH: Okay. Perfect.

4 And as part of Act 2, I'm
5 curious, has Energy Transfer, any Energy
6 Transfer subsidiary companies, any attorneys
7 that have been hired by Energy Transfer, or
8 land agents, are they working on behalf of
9 Energy Transfer aiding, in writing or via
10 verbal agreement, in the sale of the properties
11 that have been recently purchased in Mount Eyre
12 Manor?

13 MR. MCGINN: Again, I don't know
14 the details of that, and, also, it's not
15 directly related to the report.

16 MS. SMITH: Okay.

17 MR. MCGINN: And I ask for
18 questions and comments to be on the report.

19 MS. SMITH: Okay. Okay. A
20 question about the property at 108 Spencer that
21 has the lights on every night, like a spooky
22 haunted house. We're curious what the
23 long-term plans for 108 Spencer Road are.

24 MR. MCGINN: Again, in terms of

1 the lights, we'll make that obviously a note to
2 Right of way in terms of addressing and making
3 sure that the house is properly maintained.

4 In terms of long-term plans,
5 it -- it doesn't relate directly to this
6 report.

7 MS. SMITH: Okay.

8 MR. MCGINN: We'll have other
9 meetings and we'll certainly communicate that
10 as that goes forward.

11 MS. SMITH: well, has that
12 property supported your remediation efforts as
13 you intended when you purchased that property?
14 That should be in the report, all that you're
15 doing.

16 MR. MCGINN: I think that the --
17 the well that's there is one of the recovery
18 wells in -- in the report?

19 MR. KETCHUM: Yeah, there's a
20 recovery well installed on that property,
21 information gathered from that.

22 MS. SMITH: And has it supported
23 your remediation efforts at that location?

24 MR. KETCHUM: I think it has.

1 It's definitely supported the characterization
2 efforts. I mean, yeah, so it's -- I'm not sure
3 I'm understanding exactly what your question
4 is, but . . .

5 MS. SMITH: The question is, the
6 well at 108, where you purchased quickly in the
7 neighborhood, has that supported your
8 remediation efforts? How much product have you
9 recovered from that well?

10 MR. KETCHUM: That recovery well
11 didn't have product in it after installation.
12 But again, the -- the information from the
13 recovery well is being used for the
14 characterization. So it will provide water
15 level and other information for the
16 characterization.

17 MS. SMITH: Okay. That was
18 enough for you to dance around. Okay.

19 what is my next one?

20 MR. MCGINN: And, Ms. Smith,
21 you're coming up at the -- the five-minute
22 mark.

23 MS. SMITH: Okay.

24 MR. MCGINN: I ask you if you

1 have other questions --

2 MS. SMITH: No. I'm happy to
3 share with the universe. They have lots to
4 say.

5 MR. MCGINN: All right. Thank
6 you.

7 The next person is Sarah
8 Baicker, Walker Road.

9 MS. BAICKER: Yep. Thank you,
10 guys, all for being here today. And I do thank
11 you for recording this. I know that was not
12 something that you wanted to do originally. So
13 the folks who were not able to make it here
14 today do appreciate that, as do I.

15 I actually just want to back up
16 on something that Kim Smith just said. I
17 e-mailed your inbox. I spoke to your community
18 liaison about my private information being
19 shared with Suburban. So it's not -- it
20 shouldn't be the first that you're hearing of
21 it. And if it is, that's -- that's a bummer,
22 because this is not the first we've spoken
23 about it.

24 But in regards to the task at

1 hand today, I was wondering, you know, you
2 spoke about the POET systems. But in terms of
3 a forward-looking action plan, will Energy
4 Transfer pay for a feasibility study to
5 identify alternative water supply sources for
6 the Mount Eyre community, given the fact that
7 we -- we don't see POET systems as a long-term
8 safe solution?

9 MR. MCGINN: Yeah. The -- I'll
10 address the question. And, you know, again,
11 it's -- it's not related to the report, but we
12 did -- the township did reach out formally in
13 terms of response. We did respond formally via
14 a letter indicating that that was not something
15 that the -- the company intended to do. You
16 know, based on the data, the POET systems are
17 working and, you know, are a -- a solution
18 that's addressing the problem.

19 MS. BAICKER: Yeah, I appreciate
20 your answer. I -- I do see it as related to
21 the conversation tonight, given it was brought
22 up during the course of the presentation.

23 But I just want to add to that,
24 we have seen some breakthrough. Contamination

1 has broken through filters. I know that's
2 happened to at least one home. And we're not
3 getting tested frequently enough to know if
4 that were to happen to us.

5 So I think I feel confident
6 speaking on behalf of most of my neighborhood,
7 that if I'm getting my water tested maybe, I
8 don't know, quarterly, every couple of months,
9 I'm not going to feel confident in the system
10 that we already know is potentially not going
11 to last through the challenges that some of
12 these systems have been facing.

13 MR. MCGINN: What -- what is the
14 issue in terms of where there was breakthrough?
15 Is that data that our -- our team has?

16 MS. BAICKER: I sure hope so.

17 MR. MCGINN: I mean, that --
18 you're saying that was communicated in a water
19 test?

20 MS. BAICKER: Yeah. Through at
21 least -- yeah. Uh-hum. Not my home, so I
22 don't want to speak in detail. But yes.

23 MR. MCGINN: Okay.

24 MS. BAICKER: So we don't see

1 POET systems as a long-term solution. And so
2 we -- you know, we hope, as you are working on
3 a forward-looking action plan for those of us
4 who do live here, I hope you'll take that under
5 consideration.

6 MR. KETCHUM: It is my
7 understanding, the breakthrough you're
8 discussing was a "j" value detection in a
9 mid-filter sample. So not a breakthrough.

10 MS. BAICKER: Okay.

11 MR. KETCHUM: It's just in
12 between the two vessels.

13 MS. BAICKER: A detection in
14 between the two vessels.

15 MR. KETCHUM: Right.

16 MS. BAICKER: Right.

17 MR. KETCHUM: Just --

18 MS. BAICKER: Okay. That's --
19 yeah, that's fine.

20 MR. KETCHUM: Absolutely.

21 MS. BAICKER: Yep. Yep. That's
22 a -- I mean, I consider that a breakthrough.
23 I'm not a scientist, but it's my water that I
24 would be drinking. So I consider that a

1 breakthrough.

2 I -- I recognize that this
3 may -- may not be as related to the -- the task
4 at hand as -- as you would like, but a number
5 of homes in the community are experiencing
6 water pressure issues. And you sent an e-mail
7 earlier this week that said your consultant
8 said it could not be related to the work that
9 you're doing.

10 But your consultants actually
11 told us that it quite possibly was related to
12 the work that was going on, as did a
13 representative from Energy Transfer who was on
14 site, as did someone from the DEP.

15 I'm just wondering, considering
16 this is going to be an ongoing improvement
17 situation, you mentioned more wells will go
18 on -- go in, but we won't know until it's time
19 for them to go in.

20 Do you believe that these
21 recovery efforts could be adding additional
22 sediment to the aquifer that is impacting the
23 available water supply or impacting residents'
24 water pressure?

1 MR. MCGINN: In terms of the
2 water pressure, I'll let you, if you want to
3 elaborate on a -- on a deeper question. But
4 the statement you referenced was an update that
5 the -- the company put out on Friday.

6 MS. BAICKER: Yes.

7 MR. MCGINN: There had been
8 communication in terms of people concerned with
9 low water pressure. Some have been
10 investigated, some not as much in detail in
11 terms of also at times with individual
12 landowners and their own preference in terms of
13 having somebody come on the site and look.

14 You know, if anybody has that
15 issue, I encourage you -- you know, it's not
16 necessarily an issue with -- with Suburban from
17 the system, but potentially a plumber.

18 And the reason why, you know,
19 that -- that statement was made is that in
20 those investigations, it was -- there was not
21 consistency in terms of the issue.

22 MS. BAICKER: Okay.

23 MR. MCGINN: And so that the --
24 you know, based on the people at the company

1 looking at it, that they did not see that --
2 that connection.

3 MS. BAICKER: Okay. Well,
4 people at the company told me that there was a
5 connection and told me that it wasn't even
6 worth their coming out because they could tell
7 me right away, from what I described over the
8 phone, that there was a connection.

9 So I was disappointed to read
10 what I read in a very simple sentence, was a
11 denial of any association, which I think could
12 confuse all of the people in this room. It
13 certainly confused me, so.

14 MR. MCGINN: And the only thing,
15 to be clear, if that information comes back and
16 it changed and there is a notice that there is
17 a -- some type of -- of connection in detail,
18 that's the type of things where we have
19 updates, and they will be updated
20 appropriately.

21 MS. BAICKER: Okay. Well, I
22 would be happy to put you in touch with
23 Suburban. Maybe you guys can put out an
24 update.

1 Thank you. I appreciate your
2 time.

3 MR. MCGINN: Thank you.

4 Our next speaker is Seth
5 Rabinowitz, Walker Road.

6 MR. RABINOWITZ: Thanks, guys.
7 I appreciate it. Let me just get my . . .
8 Okay.

9 So as part of this whole process
10 and as part of this site characterization
11 report, you mentioned there are more wells to
12 come. You can't tell us. You can't anticipate
13 it. We understand that as part of the process,
14 it's an iterative process, your words.

15 But it has come to light from
16 several of us that there's an investigation dig
17 along Glenwood, between Spencer and Frazier,
18 that is planned. And I'm just wondering, and
19 we're all wondering, has this been confirmed?
20 Can you provide us some more information about
21 what that investigation dig is for and when,
22 timeline, we may be expecting it?

23 MR. MCGINN: So, again, with it
24 not being related to the report, it's not

1 something I'm prepared to speak on tonight.
2 But what I can commit to you is, is providing
3 an update in the -- in the near future with
4 more details on that.

5 MR. RABINOWITZ: Okay. So near
6 future being . . .?

7 MR. MCGINN: I'm not going to
8 say tomorrow. Obviously, the -- as more
9 information comes out, we'll be updated. And
10 it will be certainly before the next public
11 meeting in October.

12 MR. RABINOWITZ: Okay. Turning
13 more -- a little bit more broadly. You've told
14 us when we met that the pipeline's been
15 operating at 20 percent pressure reduction.

16 Is that still the case, as far
17 as you understand it?

18 MR. MCGINN: That's still the
19 case.

20 MR. RABINOWITZ: Okay. And are
21 you still confident that there are no
22 additional leaks along the pipeline from the
23 work that you've been doing?

24 MR. MCGINN: Again, tangentially

1 related to the report. But yes, just to be
2 clear, yes, we are confident that there are no
3 leaks along the pipeline.

4 MR. RABINOWITZ: Okay. And then
5 just one more very quick follow-up on that and
6 then I'll pivot.

7 It's been 120 days since the
8 investigation with PHMSA regarding the original
9 date of the leak in January. We haven't
10 received any results or data. It hasn't been
11 shared. It hasn't been released.

12 Do you have any updates for us
13 on that? Because it is -- I understand that
14 it's not directly related to this report, but
15 it's kind of why we're all here.

16 MR. MCGINN: No. Understood.
17 But, again, for the -- for the meeting and for
18 tonight, early on, one of the responses and
19 requests was to have a public involvement plan,
20 right, with the Act 2 process that we weren't
21 in. Even before DEP ordered it, we said, yes,
22 we'll do this. So we're following that
23 specific to the environmental piece of this.

24 we've had other, you know,

1 public meetings. We have another one in
2 October. There are certainly times to welcome
3 those questions and respond. And we will
4 provide updates, as we have been throughout,
5 via the updates that get pushed out via e-mail,
6 on the website, on pipeline-related questions,
7 physical pipeline-related questions.

8 MR. RABINOWITZ: Okay. So I
9 want to go back to something you said earlier
10 regarding public systems. You said as part of
11 this process, there have been -- I think your
12 words were, you've reimbursed 199. I think
13 that's what you said.

14 MR. KETCHUM: As of now, either
15 facilitated or reimbursed homeowners for,
16 yes --

17 MR. RABINOWITZ: Okay. Cool.

18 MR. KETCHUM: -- that's the
19 number.

20 MR. RABINOWITZ: Great. And so
21 just following up on that, I guess there's just
22 been some confusion. And I know what you're
23 going to say, Joe. But we had it in writing
24 from the beginning that we could use any

1 contractor we wanted. People used the
2 contractors they felt comfortable with. They
3 put in the systems that we were told that -- to
4 keep our water safe. We have it in writing.

5 But as we understand it now,
6 many homes who have spoken to Suburban,
7 Suburban is refusing to honor the warranties of
8 those systems that you all said we could put in
9 place to protect our homes, with contractors
10 that we trusted.

11 And so what we're wondering is,
12 why can we not continue to use those
13 contractors, when Suburban refuses to reim --
14 to honor the warranties of those contractors?
15 When you originally told us, use whoever you
16 want, and it's okay. Because that was a big
17 deal to a lot of us who felt safe using our own
18 contractors.

19 MR. MCGINN: Yeah. No. I
20 understand the question. And I think you know
21 at least part of my answer in terms of as it
22 relates to the meeting tonight. And certainly
23 I think it's been addressed in different public
24 meetings by, you know, Matt Gordon and others,

1 what our policy is in terms of on the
2 maintenance of the systems with Suburban, as
3 you spoke about.

4 There is no indication that that
5 will change. If something does change on that,
6 we'll certainly communicate that to -- to you
7 and your neighbors.

8 MR. RABINOWITZ: I understand.
9 Thank you.

10 MR. MCGINN: The next speaker is
11 Brian Bostancic, Walker Road.

12 MR. BOSTANCIC: Good evening.
13 Thanks for taking the time here tonight.

14 So in February, as we understood
15 it, Energy Transfer's geologists in attendance
16 during a town hall identified that Energy
17 Transfer would need to install monitoring wells
18 that ring the plume to identify where the
19 leading edge of the plume was.

20 During the meeting, your
21 geologist stated that you would install
22 monitoring wells at the outer edge and work
23 backwards or in.

24 To us, it appears that the wells

1 that have been installed have gone from the
2 release location and out. Is this a change to
3 the prior approach; and if so, why?

4 MR. KETCHUM: Yeah, I think in
5 the site characterization work plan, the
6 initial proposed wells were ring around the
7 outer edge. And during the process of revising
8 the site characterization work plan and the
9 other processes to try and get the wells, the
10 team, the SPLP team, was working on additional
11 wells based on additional data that was coming
12 in.

13 And so SPLP reached out to the
14 DEP and said, we'd like to start installing
15 these wells before the work plan is approved,
16 because it seemed like that was going to take a
17 while in the second revision. So the
18 department allowed SPLP to start installing
19 those wells.

20 And what we did was start -- you
21 could -- I understand what you're saying, it is
22 close to the release, but it's actually
23 upgradient of the release. So that's the back
24 edge of that ring is where it started. And

1 then along the outer edges of the neighborhood
2 on this, to the -- to the south, southern
3 streets in the neighborhood and the northern
4 street in the neighborhood. And then we've
5 been filling in inside.

6 So I understand what you're
7 saying. It -- it -- I don't know that the
8 intention really evolved. It's just that the
9 order in which things happened evolved just
10 based on access and negotiations and trying to
11 get ahead of waiting so long for the site
12 characterization work plan to get approved.
13 And SPLP wanted to -- to move ahead and -- and
14 start putting this -- these wells in.

15 MR. BOSTANCIC: Sure. And, you
16 know, I understand what you're saying there,
17 too. That makes sense. But at the same time,
18 we -- we know that there's product where the
19 monitoring wells are now. We want to know
20 where else it could be. And it doesn't seem
21 like we're putting monitoring wells to figure
22 out where that ring is --

23 MR. KETCHUM: Yeah, so the --

24 MR. BOSTANCIC: -- you know, for

1 the plume.

2 MR. KETCHUM: There are wells
3 that were installed further downgradient than
4 separate phase -- than LNAPL product has been
5 observed. So I think we do have wells down
6 there. Those wells don't have LNAPL in them.
7 So I think we -- we are doing that.

8 Maybe, I think I'm
9 understanding --

10 MR. MCGINN: Do you want to use
11 the map?

12 MR. KETCHUM: Actually --

13 MR. BOSTANCIC: No, you don't
14 need to pull up the map.

15 MR. KETCHUM: Okay.

16 MR. BOSTANCIC: Yeah. Will you
17 install deeper wells to remove product? The
18 wells that yielded your initial recovery
19 results were residential wells that exceeded
20 300 foot depths. And the ones that you guys
21 are showing us here are much shallower.

22 MR. KETCHUM: Yeah. The
23 LNAPL -- I think this is a -- something that's
24 come up quite a few times. So the LNAPL itself

1 floats on water. It doesn't -- it doesn't sink
2 below water.

3 Now, at microscale level,
4 there's three-phase problems and porous media
5 that can get complicated, but it's not sinking.
6 It's a light non-aqueous phase liquid. It
7 floats on water.

8 The UV work, the geophysical
9 work, showed that fractures where LNAPL was
10 seen entering well bores went no -- it didn't
11 go any deeper than I believe it was 40. I'd
12 have to look at the report exactly, but I think
13 it was 45 feet was the maximum depth that we
14 saw LNAPL entering a well from a fracture.

15 So we think the monitoring wells
16 that we've selected to 40 feet for the shallow
17 well and to 75 feet for the deeper well are
18 sufficient to monitor this.

19 But after we get the
20 information, we'll look at the concentrations.
21 we'll look at all the data we have to see
22 whether or not deeper wells are required. And
23 again, the Department of Environmental
24 Protection will be part of that discussion.

1 MR. BOSTANCIC: Okay. Is Energy
2 Transfer planning to transition from
3 intermittent active recovery to constant
4 recovery?

5 MR. KETCHUM: Yeah. My -- right
6 now -- and these words get a little bit tricky.
7 Everyone's got a slightly different definition.
8 But there's passive recovery, consistent
9 continuous passive recovery with skimmers and
10 socks in the wells and then periodic active
11 recovery. That's the daily, on -- I guess it's
12 on weekdays where the -- the more active
13 recovery is happening.

14 And that's yielding the results.
15 It's -- it's showing that it is keeping out,
16 what we say in the business, or keeping up with
17 the influx of product to the wells. That is,
18 it's not -- the thickness is not increasing
19 over time. It's decreasing. So we're -- we're
20 keeping up with the -- what's going into the
21 wells with that current technique. And the --
22 the amount of product that's going into those
23 wells is declining over time.

24 MR. BOSTANCIC: Okay. Last one

1 here.

2 Can you confirm if there is soil
3 contamination and at what level, for example,
4 "j" values, above health standards, et cetera?
5 And where is the map that showcases this
6 information? So I guess soil contamination.

7 MR. KETCHUM: Yeah. So I don't
8 know that I got into this. I know I talked
9 about it at a public meeting with the -- with
10 the site characterization work plan.

11 But the water is in the rock.
12 So there's not water in the soil. So soil
13 contamination was limited to the area where the
14 product was leaking around the pipeline. That
15 excavation dug that up. Samples along the
16 sidewalls showed that the concentrations met
17 the statewide health standards. Those are
18 the -- the limits set up by the department to
19 be protective of human health and the
20 environment.

21 There are a couple reporting
22 limits that were elevated for some unique
23 parameters. They're -- they're tough to get
24 the reporting limits. So that it's commonly

1 the -- the standards are exceeded in the
2 reporting on it.

3 So we did a ring of borings
4 around there. We got better reporting limits
5 in that data and showed that those
6 concentrations don't exceed the statewide
7 health standard concentrations.

8 So the -- the soil impacted by
9 the release was limited to that area around the
10 pipeline, again, because of the geology,
11 because of the way the hydrogeology works. And
12 that -- the excavation activities removed that
13 soil.

14 MR. BOSTANCIC: So is -- is
15 there like a map that shows the extent of where
16 it spread from the actual leak site then
17 or . . .?

18 MR. KETCHUM: No -- well, there
19 would've been, except it's all gone. So in
20 February, when the soil was excavated, there
21 aren't samples of the -- the soil.

22 Had there been a soil boring
23 investigation before the excavation occurred,
24 there could have been a map that showed just

1 that. But the excavation extent, outlays, is
2 larger than the soil contamination was.

3 I -- I understand what you're
4 saying now. I apologize. So, yeah, it --
5 there won't be a map that shows a volume of
6 soil that's impacted because that volume of
7 soil was actually inside the volume of soil
8 that was excavated.

9 MR. BOSTANCIC: Okay. All
10 right. Thank you.

11 MR. MCGINN: Thank you. Our
12 next speaker is Jerry Zacharatos.

13 MR. ZACHARATOS: Thank you.

14 Our community was once a safe,
15 quiet place to live. Regularly, the
16 tranquility of our neighborhood is broken by
17 your contractors' heavy machinery and parade of
18 pickup trucks. This brings a significant
19 number of workers into our homes and on our
20 property.

21 For the safety of our family and
22 small children, will you share -- will you
23 share your contractors' employment screening
24 processes, specifically a required -- if they

1 do a required criminal background check or drug
2 testing?

3 MR. MCGINN: I can't answer that
4 question just because I'd have to look at what
5 our -- our company policy is on it. So I can't
6 answer that tonight.

7 But the comment is noted and
8 will be addressed.

9 MR. ZACHARATOS: Okay. All
10 right.

11 It's understood from the ISCR
12 that a characterization is an iterative
13 process. However, we believe that the lack of
14 bounds on the timeline in the ISCR included --
15 including the estimated leak start date and
16 estimated completion of remediation, causes
17 significant uncertainty in the community.

18 What are Energy Transfer's
19 long-term plans for returning our community to
20 what it was before your pipeline leaked?

21 MR. MCGINN: So I think the
22 question, and evolving it into the Act 2
23 process and -- and remediation, it's important
24 to address. And I believe this has come up at

1 DEP meetings as well.

2 So you talked a little bit about
3 it, but where we are in that process and --
4 and -- and how long this process takes.
5 Because I think that's the question, right?
6 What you're looking at is when would the Act 2
7 process be complete? Am I interpreting that
8 question right?

9 MR. ZACHARATOS: And what's
10 your -- what's your long term goal to make us
11 whole again --

12 MR. MCGINN: Okay.

13 MR. ZACHARATOS: -- you know, to
14 make things back to the way they before -- they
15 were before the leak happened?

16 MR. MCGINN: Yeah. So number
17 one is, is to -- to clean it up and complete
18 that and have the data that shows that it's
19 clean that can be agreed upon not just by our
20 consultants, but by the DEP and other experts.

21 So, Neil, why don't you talk
22 about what that process is, where we're at and
23 what's left.

24 MR. KETCHUM: Yeah. So we're --

1 we're in the middle of the characterization
2 process. So that's the first phase of
3 activities. I think the department talked
4 about this in their meeting, too.

5 After the characterization is
6 complete, then there's a remedial action phase,
7 if remedial action is necessary. So that's the
8 implementation of the remedy, if -- again, if a
9 remedy is necessary.

10 And then after the remedy is
11 completed, then there's the attainment phase.
12 And that's -- under the standard that we've
13 selected, that's four quarters to eight
14 quarters of favor of data that meets the
15 requirements for the standard.

16 So that's on the order of years
17 for the monitoring. That's not to say -- you
18 know, those -- the visibility or the
19 intrusiveness of those activities vary. So
20 sampling quarterly of a monitoring well network
21 is different than installing monitoring wells.

22 So the characterization
23 activities are generally I think what you're
24 referring to, is that -- that larger disruptor.

1 And those activities, again, we'll look at the
2 data from this round of wells in the next
3 couple months, and then we'll determine whether
4 or not additional wells are necessary.

5 MR. ZACHARATOS: Okay. And,
6 finally, will you commit to repaving and
7 repairing curbs throughout the entire
8 neighborhood?

9 MR. MCGINN: So in terms of
10 impacts -- and there's agreement I know with
11 the -- the township and the company on -- on
12 paving, right, related to putting different
13 wells in -- in the streets and -- and curbs.

14 I would say the -- the
15 commitment that I can make is if -- if there's
16 something that we impact, right? So the
17 example, you know, we put a -- a well in the
18 roadway, right? There's some paving associated
19 with that. If things like curbing are damaged
20 based on those results, I would fully expect
21 that the company would address that and fix
22 that based on our activities.

23 Okay. And I know the township
24 with people on our staff, they meet regularly.

1 And the township is swift to raise questions or
2 concerns if something like that's addressed.

3 So I have no doubt that the
4 township will raise that to us to address if
5 those situations occur.

6 MR. ZACHARATOS: Okay. Thank
7 you.

8 MR. MCGINN: Thank you.

9 Our next speaker is Naomi
10 Robinson, Spencer Road.

11 MS. ROBINSON: Hi. Naomi
12 Robinson, 101 Spencer Road. Just a few
13 questions for you tonight.

14 I'm wondering how the
15 information in the characterization report is
16 being used to identify what houses are getting
17 the air quality testing and the subslab
18 testing, and if you're going to expand that,
19 because it seems to be a fairly small group of
20 houses that you've started with.

21 MR. KETCHUM: So that was -- and
22 I was not involved in those initial things, but
23 my understanding, from having talked to the
24 people that were in the department, is, the

1 Department of Environmental Protection, DEP,
2 and the DOH, along with SPLP's contractors
3 identified those initial six homes based on
4 the -- the groundwater, the domestic water
5 supply well sampling results and the presence
6 of LNAPL. And so those were focused in those
7 general areas.

8 And then the Phase -- let me get
9 the terminology right -- Phase II sampling,
10 which is subslab sampling, is sort of a -- a
11 ring around that -- that area. So, again,
12 based on chemistry in water supply wells and
13 the presence of separate phase liquid.

14 MS. ROBINSON: And so did
15 anything in that ring where you did the subslab
16 testing indicate that you should expand and
17 test further?

18 MR. KETCHUM: We've gotten one
19 round of data back. We're waiting on the
20 second round. The results look favorable. But
21 you have to get both rounds of data because it
22 can change over time. So really, I feel most
23 comfortable waiting for the second round of
24 data.

1 As soon as that data comes in,
2 there will be a call with the DEP and the DOH.
3 And that's exactly the -- the conversation that
4 will be had, is -- is looking at those results
5 and -- and the -- the way the concentrations in
6 the groundwater have changed over time as well.

7 MS. ROBINSON: Okay. This is
8 kind of big picture. But with any large
9 project like this, I think it's always
10 important to assess performance. So tonight,
11 and based on this report you've told us about,
12 you know, where we're at, what's happened so
13 far, moving forward, though, where do you think
14 you can improve?

15 MR. MCGINN: So from a -- I
16 guess a remediation and monitoring standpoint,
17 you know, are there data that we have, Neil,
18 that we would take in terms of next steps,
19 things that we would move forward? Do we -- do
20 you have enough information for that yet?
21 Or -- or -- I know you've talked about, you
22 know, this being a -- a date and -- a date and
23 time, or a stamping time type report, but . . .

24 MR. KETCHUM: Yeah. At this

1 point, we're gathering data. It's -- I'm not
2 sure if there's an improvement to be made on
3 having -- the gathering of data.

4 MS. ROBINSON: I mean, it
5 doesn't -- it couldn't just be data. It could
6 be on improving communication, improving -- you
7 know, that could be a very broad question on
8 improvements.

9 MR. MCGINN: Yeah. No,
10 understood. I mean, I think the focus is on
11 the report. But, you know, communication is
12 always something that's not static and can
13 always be improved, has to evolve.

14 we continue to look at that. I
15 can continue to try to just get to the task at
16 hand, which one of the other speakers talked
17 about in terms of obviously disturbance in the
18 neighborhood, things like that, from -- from,
19 you know, drilling these monitoring wells.

20 But we're -- we're at a point, I
21 think we're hopefully close to where that type
22 of work will be concluding, that we can just
23 gather the data, which means those kind of
24 things like disturbance and things would be --

1 would be much less, because you want to have
2 the activity, the construction.

3 MS. ROBINSON: Sure. Great.
4 Okay. Thank you. That's it.

5 MR. MCGINN: Thank you.

6 Before I call our next speaker,
7 just a reminder. I have a number of names here
8 still to go through. But if -- if you are
9 interested in speaking and you haven't signed
10 up yet, we're -- we're still accepting kind of
11 sign-ups throughout the whole meeting.

12 So Joe is over there, and -- and
13 Nancy, if anybody needs to sign up that hasn't
14 signed up yet. So just a reminder of that.

15 And also a reminder, too, is, if
16 you do have those comments and you don't --
17 some people aren't comfortable speaking in
18 public. They can be submitted, those comments
19 and questions, in writing and will be addressed
20 in -- in the report.

21 Our next speaker is Terry
22 Dearden from Bruce Road.

23 MS. DEARDEN: Hello. Terry
24 Dearden. I live on Bruce Road.

1 I was wondering if you could go
2 back to the -- a screen that had the recovery
3 with your little arc going up. It showed which
4 wells were --

5 MR. KETCHUM: (Showing slide.)

6 MS. DEARDEN: Yeah, that's
7 perfect.

8 Can I use your pointer?

9 MR. KETCHUM: Sure. Sure.

10 MS. DEARDEN: Okay, thank you.

11 MR. KETCHUM: It's the red dot,
12 or the red button.

13 MS. DEARDEN: Okay. So the way
14 you said that this works is that -- so I press
15 the red dot?

16 MR. KETCHUM: Yeah, that should
17 work.

18 MS. DEARDEN: Maybe not. Oh,
19 no.

20 MR. KETCHUM: I missed it the
21 first time, too.

22 MS. DEARDEN: Okay. I am so
23 sorry.

24 MR. KETCHUM: That's okay.

1 MS. DEARDEN: I'll be quick.

2 Okay. What you described here
3 is that -- see if I can do this. Oh, it's not
4 going to work. I'll just talk it through.

5 The last well, that LNAPL
6 recovery, the highest peak.

7 MR. KETCHUM: This one?

8 MS. DEARDEN: Yep.

9 So you're saying you recovered
10 all that from that well. And after that, it
11 kind of -- it kind of dips down, meaning really
12 we have most of it. We've gotten a lot of it.

13 That's really what you said --

14 MR. KETCHUM: No.

15 MS. DEARDEN: -- was that now
16 there's not that much left to get.

17 MR. KETCHUM: I apologize.
18 That's not what I intended to say.

19 It's -- the first day of
20 recovery, you often get a spike because when
21 you initially discover it, there's often more
22 LNAPL in that well than returns, because you --
23 you're coming back then every day.

24 So it's had a whole long period

1 of time to accumulate. You remove that. And
2 then you only give it less than a day to
3 accumulate. You never -- you rarely get
4 that -- that same thickness. So you don't get
5 the same spike in the brown line or orange
6 line.

7 MS. DEARDEN: Okay. So what I'm
8 looking at then is when you have the first
9 spike, the very first spike, the first couple
10 spikes, you got a lot out, and then it all came
11 down, and we'll be like, oh, no, there's
12 nothing. There's nothing.

13 MR. KETCHUM: No.

14 MS. DEARDEN: And then, oh, we
15 got a well. Looks like we hit gold. And we
16 got some more. And now there's not so much.
17 And now you can hit another well, right?

18 MR. KETCHUM: I understand. The
19 subsequent figures in the report actually
20 remove the spikes.

21 I apologize. I chose this graph
22 because it had everything.

23 MS. DEARDEN: I love the spikes.
24 I love your spikes. I get it that that's the

1 day that you find it. It's like we've struck
2 gold. We found the fuel. And -- and it --
3 right?

4 MR. KETCHUM: It's more after
5 you install the well and develop it. When you
6 come back, it's had a long time to accumulate
7 product.

8 MS. DEARDEN: Okay.

9 MR. KETCHUM: So the spike is
10 actually not striking gold or anything. It's
11 just there's a longer duration to accumulate.

12 MS. DEARDEN: But we -- we could
13 wind up having ten, 15, 20 of these as you go
14 along, correct? There's nothing to say that
15 one of your next wells -- because a lot of your
16 wells brought up nothing. A lot of those wells
17 didn't -- you didn't find anything in.

18 MR. KETCHUM: Oh, the monitoring
19 wells.

20 MS. DEARDEN: Yeah. You didn't
21 find any --

22 MR. KETCHUM: Right.

23 MS. DEARDEN: Right.

24 MR. KETCHUM: There's one

1 installed for product recovery. Understood.

2 Yep.

3 MS. DEARDEN: Okay? Right? And
4 so -- but we could -- we could keep having
5 these. We could keep having a well that you
6 find fuel in. There's -- because you haven't
7 differentiated exactly why this one, why this
8 well had so much and why this well has it, but
9 your ten other ones don't have any in it,
10 right?

11 MR. KETCHUM: No. So we
12 wouldn't have expected find separate phase
13 liquid in most of those monitoring wells. They
14 weren't installed in the --

15 MS. DEARDEN: In places to
16 recover?

17 MR. KETCHUM: Right. For
18 recovery wells, they're installed in -- in
19 fractures that are lined up where we've seen
20 it. That's where we put the recovery wells.

21 But the monitoring wells, they
22 have multiple purposes. Some of them are to be
23 upgradient of the release. Some of them are to
24 be sidegradient of the release. Some of them

1 would be very far downgradient of the release,
2 that ring that another commenter brought up.
3 So we wouldn't have expected to see that.
4 And I --

5 MS. DEARDEN: So -- but you --
6 you could still have other recovery wells that
7 will bring up more product.

8 MR. KETCHUM: If -- if --

9 MS. DEARDEN: There's nothing to
10 say that this is the end of the product in
11 the -- in the ground.

12 You're saying that there's
13 not -- that that's probably it.

14 MR. KETCHUM: No, no, no, no,
15 no. I'm just saying that with this recovery
16 well network, you can see that the -- the
17 recovery rate is decreasing over time.

18 MS. DEARDEN: From that recovery
19 well.

20 MR. KETCHUM: From the re --
21 from all the recovery wells and water supply
22 wells at the site.

23 FEMALE AUDIENCE MEMBER: That
24 does not look like it's decreasing.

1 MR. KETCHUM: Oh, I'm sorry.

2 Yeah. So it's the difference between the blue
3 and the -- the orange line. So the orange --

4 MS. DEARDEN: The blue is
5 cumulative.

6 FEMALE AUDIENCE MEMBER:
7 Everything on that side is higher.

8 MR. KETCHUM: No. From -- from
9 this --

10 FEMALE AUDIENCE MEMBER: All
11 those on the right side is higher.

12 MS. DEARDEN: Is higher than the
13 stuff on the left side.

14 FEMALE AUDIENCE MEMBER: So why
15 do you think --

16 MR. MCGINN: Hold on. Let's --

17 MS. DEARDEN: If you had stopped
18 on May 25th, you would have said there's no --
19 there's nothing else to recover.

20 MR. KETCHUM: No, no one's
21 stopping. What we're saying is that in the
22 July time frame to the end of the report, this
23 orange or brown line is generally decreasing.
24 So that's the number of gallons per day that

1 has come out.

2 MS. DEARDEN: From -- from that
3 recovery well.

4 MR. KETCHUM: From all -- this
5 is from all the wells. This is all the wells.

6 MS. DEARDEN: And the monitoring
7 wells as well? The monitoring wells or just
8 the recovery wells?

9 MR. KETCHUM: Well, there's --
10 there's no -- I'm not trying to --

11 MS. DEARDEN: You absolutely
12 are. But just explain to me, is this from the
13 recovery wells or is this from the recovery
14 wells and the monitoring wells and the house
15 wells?

16 MR. KETCHUM: This is the
17 recovery. This is every place where there is
18 LNAPL in a well.

19 MS. DEARDEN: That you have
20 found? That you have found?

21 MR. KETCHUM: Absolutely.

22 MS. DEARDEN: Okay.

23 MR. KETCHUM: There aren't --
24 I'm not aware of any wells that we -- yeah, I'm

1 not --

2 MS. DEARDEN: No. But, I

3 mean --

4 MR. KETCHUM: We -- we measured
5 in the wells, and every place that we've found
6 it, that's represented here.

7 MS. DEARDEN: But you're putting
8 more recovery wells in, so you may find more
9 LNAPL in a different recovery well.

10 MR. KETCHUM: Oh, well, that's a
11 possibility. But with the monitoring wells,
12 which have a slightly different purpose, we
13 have not found separate phase liquid, including
14 in some of -- some of those monitoring wells
15 were placed in places where that might be
16 present, and we haven't found it.

17 MS. DEARDEN: Okay. So the
18 other thing you said is that the well depths
19 are 20 to 40 feet shallow, 50 to 75 feet for
20 the deep. That's what you said.

21 MR. KETCHUM: That's the general
22 screening, yes.

23 MS. DEARDEN: Okay. And your
24 reasoning is that the fuel sits on the top of

1 the water, right?

2 MR. KETCHUM: Jet fuel floats on
3 water. Yes, ma'am.

4 MS. DEARDEN: Okay. So that
5 would mean that in the walker Road well, the
6 one that you -- the one that you recovered a
7 whole lot of stuff from, the -- the fuel was at
8 75 feet?

9 Because her well was very, very
10 deep. And I'm sure it wasn't filled to the
11 very top. So did you notice how deep the stuff
12 went? And you're saying it was not any deeper
13 than 75 feet in her well?

14 MR. KETCHUM: No. So this is a
15 tricky thing.

16 MS. DEARDEN: Yes, it is.

17 MR. KETCHUM: So the water level
18 in the well fluctuates over time as the pump
19 turns on.

20 MS. DEARDEN: Uh-hum.

21 MR. KETCHUM: So if the -- if
22 you pump the well dry --

23 MS. DEARDEN: Uh-hum.

24 MR. KETCHUM: -- the water level

1 would be at the bottom of the well.

2 MS. DEARDEN: Uh-hum.

3 MR. KETCHUM: But that's not the
4 formation. That's not what's happening in the
5 environment outside the well. So the well is
6 almost its own little environment. So the
7 water level fluctuates as the pump turns on and
8 off.

9 MS. DEARDEN: Correct.

10 MR. KETCHUM: And seasonally --

11 MS. DEARDEN: I get that.

12 MR. KETCHUM: Okay.

13 MS. DEARDEN: I get that. But
14 you're saying that the fuel would not be any
15 deeper than 75 feet?

16 MR. KETCHUM: No. The -- the
17 fuel in the formation in the environment would
18 not be deeper. In a well, it will float on the
19 water table. So if there's LNAPL -- let's say
20 there's an inch of LNAPL in the well. That
21 will float on the water table. So whatever the
22 water table does, that fuel will go up and down
23 in that well.

24 But that's not what's happening

1 in the formation itself. The formation itself
2 is -- is -- is not the same as the well
3 dynamic.

4 MS. DEARDEN: Okay. So all your
5 research has showed that that 75 feet is deep
6 enough to find -- that's the deepest you have
7 to go to recover.

8 MR. KETCHUM: So the research
9 we've done, like I said, the UV light, which
10 looked at the borehole, the sides of the
11 borehole and the fractures, and the -- the
12 LNAPL actually fluoresces, the deepest we saw
13 LNAPL coming out of fractures was at about -- I
14 think it was 45 feet.

15 So 75 feet is deeper than 45
16 feet. So the thought is that 75 feet is
17 sufficient now. But we're -- we'll look at the
18 data that we have, and if we have to go deeper,
19 we will go deeper.

20 MS. DEARDEN: Okay. And can I
21 get a definition of what an anomaly is, please?

22 MR. KETCHUM: So in the
23 geophysics, it's -- and I'm not a geophysicist.
24 I apologize. Tim would be much better to

1 explain this.

2 But when you do this -- the
3 superficial measurements, there's all the
4 different stations, you do these measurements.
5 And where there's a change or things look
6 relatively consistent and then you have a
7 measurement that indicates there's a more
8 conductive zone. That would -- that's what
9 they call an anomaly. So it's different than
10 the others.

11 And then when you -- you line up
12 these differences, anomalies, with each other,
13 that creates this linear pattern. They -- they
14 line up in a linear pattern, and that's the
15 fracture trace.

16 MS. DEARDEN: So that's the big
17 dig that's coming up, is the anomaly dig?

18 MR. KETCHUM: No. I'm sorry,
19 ma'am. I -- I thought you were talking about
20 the geophysical anomalies. I apologize.

21 You're -- when you're talking
22 about the pipeline anomaly, that's -- that has
23 nothing to do with what I just said. I'm
24 sorry. I apologize.

1 MS. DEARDEN: Oh, I'm sorry.
2 Then can you give me a definition of anomaly in
3 the pipeline, what that means?

4 MR. MCGINN: Yeah. And as I
5 said before, we can certainly provide that.
6 But this isn't the -- the meeting for that.
7 We'll provide an update, as -- as I mentioned
8 to one of your neighbors.

9 MS. DEARDEN: Okay. So no
10 definition of anomaly, even though you're about
11 to dig up the entire road because of an
12 anomaly. We get no definition of what it is.

13 MR. MCGINN: No. It will be --
14 there will be communication --

15 MS. DEARDEN: At some point.

16 MR. KETCHUM: -- well in
17 advance.

18 MS. DEARDEN: Well in advance?

19 MR. KETCHUM: Of the dig. We've
20 always committed, before we do any activity, at
21 least seven days before.

22 MS. DEARDEN: So as I
23 understand, most of the time, you get your
24 permits and get those things. It's always like

1 the Friday, before the Monday you're going to
2 dig.

3 Like can I get a timeline on how
4 far in advance we'll get a definition of an
5 anomaly?

6 MR. MCGINN: It would certainly
7 be before that time period.

8 MS. DEARDEN: Like before two
9 days before you dig?

10 MR. MCGINN: No, no, no. I
11 would say in terms of give a notification at
12 least seven days out from when we have any
13 activity, right? So it would be before that.

14 MS. DEARDEN: Okay.

15 MR. MCGINN: I'm just saying
16 that this isn't the, you know, meeting to
17 discuss that.

18 MS. DEARDEN: You're going to
19 say this isn't the forum for that.

20 MR. MCGINN: Correct.

21 MS. DEARDEN: I get that. It's
22 just that then there is no forum for that
23 because you'll start digging and I still don't
24 know what anomaly is, so.

1 But you -- you are -- you are
2 committing to a meeting before you dig to
3 explain what the anomaly is?

4 MR. MCGINN: I didn't -- I
5 didn't commit to a meeting. What I committed
6 to was -- was communication.

7 MS. DEARDEN: An answer?

8 MR. MCGINN: Yes.

9 MS. DEARDEN: Okay, great. All
10 right. Thank you.

11 MR. MCGINN: Thank you.
12 Our next speaker is Clem Smith,
13 Spencer Road.

14 MR. SMITH: Can you go back to
15 the slide with the LNAPL dots?

16 MR. KETCHUM: Do you want the --

17 MR. SMITH: That one's good.

18 MR. KETCHUM: Okay. So over the
19 course of the 60-plus-year pipeline with an
20 infinite lifespan -- shout out to Joe, we
21 learned that in the first meeting -- it can
22 crack and it can leak and stuff, but it's got
23 an infinite lifespan. It was told to us that
24 over the course of these 60-plus years, you've

1 had multiple products running in and out of
2 this -- this -- this pipeline, correct?

3 MR. MCGINN: Correct.

4 MR. SMITH: Okay. The
5 mysterious purple dot. One product observed at
6 the property on Spencer Road did not appear to
7 be jet fuel. Have you done more investigation
8 into this product?

9 MR. KETCHUM: So that -- for
10 that well, the product was removed from the
11 well upon initial discovery and disposed of.
12 And then when the field team went back to
13 sample, there was no product in the well.

14 MR. SMITH: So you threw it
15 away?

16 MR. KETCHUM: Well, I --

17 MR. SMITH: Somebody threw it
18 away?

19 MR. KETCHUM: I think properly
20 disposed of it, but yeah. I mean, it --

21 MR. SMITH: So it smelled and it
22 looked different. Did you do an analysis to
23 find out what it was?

24 MR. KETCHUM: I don't believe

1 there was analysis done of that -- that
2 product.

3 MR. SMITH: Has -- has a -- a
4 fingerprint analysis to determine the age of
5 the product that has been recovered been
6 performed by the team? And if not, why?

7 MR. MCGINN: I would say, again,
8 in terms of the report, tonight we're here to
9 talk about the report and the results and the
10 findings of that.

11 If there's Tim -- or excuse me,
12 not Tim. Neil. If there's anything, Neil,
13 outright related to the report to answer that
14 question, please do. But I -- I'm not sure
15 that there is.

16 MR. KETCHUM: Yeah. I don't
17 have any forensics data with me.

18 MR. SMITH: All right. You see
19 where we're going with this. The neighborhood
20 has zero confidence in your ability to operate
21 this pipeline, for very good reasons.

22 Over the course of 60-plus
23 years, you've had a whole bunch of products in
24 and out of it, right? How can you be confident

1 of the exact product or products that have been
2 leaked and identified if you -- if you don't
3 know when the leak occurred? So that's the
4 point.

5 Like you found something that
6 was maybe petroleum. It wasn't jet fuel. We
7 know it wasn't jet fuel. But it could have
8 been something else. It could have been an old
9 leak. But you haven't done any fingerprint
10 analysis to determine the age of the -- the --
11 of the product's that's been recovered.

12 Thanks.

13 MR. MCGINN: Our next speaker is
14 Debbie Osifat.

15 MS. OSIFAT: I'm going to pass.

16 MR. MCGINN: Okay. The -- and
17 just a reminder, too, people can still sign up
18 for -- for public comment. And we're going to
19 be addressing these again, as I mentioned at
20 the beginning, with the local residents
21 initially, and then we'll -- we'll move on.

22 So our next neighborhood
23 resident is Tim Thomas.

24 MR. THOMAS: Tim Thomas,

1 134 Glenwood.

2 So, Neil, the first question for
3 you. You're putting up all the monitoring
4 wells. We're in very, very dry conditions.
5 I -- I appreciate your explanation that things
6 are floating on top. They'll constantly
7 monitor.

8 Is it possible, though -- so I
9 guess what I'm going to try to find out is, is
10 what's the time frame? Is it possible some
11 mega storm comes along, there's a pocket of jet
12 fuel someplace, and it's flushed into these
13 monitoring wells?

14 MR. KETCHUM: I -- I don't -- I
15 mean, that's quite a hypothetical. I don't
16 know all the -- the background information
17 to -- to understand all the details, the
18 hydrogeologic details, of your hypothetical.

19 MR. THOMAS: Okay. I'm not
20 trying to catch anything. I'm just like really
21 curious.

22 I mean, obviously, we've found a
23 fraction of the jet fuel. I mean, is it -- so
24 obviously it's possible that there's jet fuel

1 someplace that the modern wells are not picking
2 up, right?

3 MR. KETCHUM: It's possible.

4 MR. THOMAS: Right.

5 MR. KETCHUM: Right. But the
6 more monitoring wells we put in --

7 MR. THOMAS: Yeah.

8 MR. KETCHUM: -- the less likely
9 that is. And that's not the map. But as the
10 product recovery is going on, we are recovering
11 product every day.

12 MR. THOMAS: Right.

13 MR. KETCHUM: So there's less
14 and less product present in the environment.

15 MR. THOMAS: Okay.

16 MR. KETCHUM: And you would
17 expect, again, with natural source zone
18 depletion, that's just the natural processes
19 that break down petroleum products --

20 MR. THOMAS: Right.

21 MR. KETCHUM: -- with the
22 volatilization, biodegradation. All those
23 products are hap -- processes are happening as
24 well.

1 MR. THOMAS: Yeah. I mean, it's
2 soaking into the dirt, basically, at some
3 point. Right.

4 MR. KETCHUM: It's not in the
5 dirt.

6 MR. THOMAS: Well, the rock,
7 whatever. Okay. All right.

8 So what -- what time frame? Do
9 you have a statistical analysis like with all
10 the monitoring wells? Or do you look at it
11 within, you know, like the next couple months
12 and say, we're not finding anything, so we're
13 pretty much going to conclude. There's no
14 issue. Or do you wait six months or a year?
15 Like what's the time frame?

16 MR. KETCHUM: Yeah. The
17 requirements for -- I'll go to the end. So to
18 demonstrate attainment, which there's --
19 characterization, there's not a lot of -- I'll
20 just -- there's a lot more prescription to
21 attainment demonstration, which is the end of
22 the process. And that requires, for the
23 standard we're selecting, at least four
24 quarters of data. And if you meet certain

1 re -- if that data shows certain things, four
2 quarters might be sufficient. If you don't
3 show those -- meet those requirements, then
4 it's eight quarter -- at least eight quarters
5 of data.

6 And the purpose of that is to
7 get that, I think what you're talking about,
8 seasonality.

9 MR. THOMAS: Right.

10 MR. KETCHUM: There can be
11 seasonal changes.

12 MR. THOMAS: Right.

13 MR. KETCHUM: So there is a
14 requirement to be -- to demonstrate attainment,
15 which is at the end of the process.

16 MR. THOMAS: Right.

17 MR. KETCHUM: There is a
18 seasonal component to that.

19 MR. THOMAS: All right. So like
20 what's -- so it's eight quarters from now? Do
21 you --

22 MR. KETCHUM: No. After the
23 remediation.

24 MR. THOMAS: Okay.

1 MR. KETCHUM: So, again, I was
2 just demonstrating --

3 MR. THOMAS: All right.

4 MR. KETCHUM: -- at the
5 attainment phase, that's after remediation,
6 you -- you have to show for either four or
7 eight quarters. Again, there's a lot of nuance
8 to this.

9 MR. THOMAS: Okay.

10 MR. KETCHUM: But it's -- four
11 quarters is if it doesn't appear that there's
12 any seasonality. Eight quarters is to show two
13 seasons of data. That's what is required to be
14 done. That's under Act 2. That's a general
15 process.

16 So we'll have more data than
17 that because we're going to be sampling before
18 the attainment period. We're doing
19 characterization sampling. So that's just the
20 attainment phase.

21 MR. THOMAS: Right. So, I mean,
22 at some point, eight quarters from whenever,
23 you'll put out an announcement, projection,
24 whatever, saying we're confident that there is

1 no more jet fuel traveling throughout the
2 aquifers?

3 MR. KETCHUM: Yeah.

4 MR. THOMAS: Okay.

5 MR. KETCHUM: To -- to be done
6 under the standard that we've selected, that
7 would have -- that would be -- I'm trying to
8 think -- that would be in a final report --

9 MR. THOMAS: Okay.

10 MR. KETCHUM: -- all of that
11 information. And it wouldn't just be a
12 statement. It would be all the data that
13 supports that -- that conclusion.

14 MR. THOMAS: All right. I mean,
15 part of the difficulty, and why we have a hard
16 time with this is, it's never been really clear
17 how much product was lost.

18 But, you know, I do get the
19 monitoring wells, particularly, you know, we're
20 a year or two down the road from here, and
21 they're not showing anything. I mean, it's
22 only logical to assume, hopefully, that it's
23 dissipated someplace.

24 Okay. Joe, I'm going to put you

1 on the hot seat. It's really, really
2 disappointing from a township point of view
3 that you're not paying for the feasibility
4 study.

5 And by the way, Sunoco --
6 (applause) -- Sunoco paid \$16 million for a
7 community water system down in Virginia.
8 There's precedent. You've done it before.

9 And here's what you really don't
10 get. There's a couple factors. There's a lot
11 of young kids in our neighborhood. You can put
12 in POET systems on everybody's house. It does
13 not give us confidence that there's still not
14 benzene, et cetera, in the environment.

15 The other factor is, there are a
16 lot of us who are approaching retirement. So
17 let me ask you, if somebody comes to buy a
18 house in Mount Eyre, do you want to show them
19 around and go, here's my beautiful POET system.
20 Here's my phone books, literally, of water
21 tests. I swear to God, it's clean. Don't
22 worry about it. Buy my house. There's an
23 absolute economic impact.

24 So when you talk to your bosses,

1 it just seems so much more logical to me, pay
2 for a clean water system. You don't have to
3 worry if, God forbid, you know, the pipeline
4 leaks sometime in the future. You can
5 alleviate all that liability and
6 responsibility.

7 I get it. This is largely about
8 a legal strategy. But it's the wrong decision.

9 Thank you.

10 (Applause)

11 MR. MCGINN: Our next person for
12 public comment is Dawn Schoen, Glenwood Drive.

13 Dawn?

14 (No response.)

15 Okay. We'll move on.

16 They're all the ones I have
17 listed from the neighborhood, so I'm going to
18 move on to the next. We have representatives
19 and elected officials that represent the -- the
20 township and the neighborhood. So I'm going to
21 go there next.

22 So first we have Senator Steve
23 Santarsiero. Is the Senator here?

24 SENATOR SANTARSIERO: Good

1 evening. My questions are, I think, for Neil.

2 Neil, I want to start with the
3 questions that were asked by the first
4 gentleman who came up at the beginning of the
5 night. You -- he was asking about release --
6 well, actually about volumes, and you drew the
7 distinction between the volume of product
8 release and the volume of product in the
9 aquifer.

10 That would be something that had
11 to be addressed by Act 2, correct?

12 MR. KETCHUM: Yes. The passage
13 that he was referencing does not refer to
14 released volume.

15 SENATOR SANTARSIERO: Right.

16 MR. KETCHUM: Yes.

17 SENATOR SANTARSIERO: But -- so
18 your point was, Act 2 is focused on what's in
19 the ground. It has to be remediated, correct?

20 MR. KETCHUM: Yes.

21 SENATOR SANTARSIERO: Okay. So
22 I understand that.

23 would you not agree, though, if
24 we had a situation where, let's say, a million

1 gallons of product were released in a
2 particular site, and then remedial activities
3 were undertaken, and only a hundred gallons of
4 product were taken out, that would suggest
5 there's a problem, correct?

6 MR. KETCHUM: Yeah. I mean, I
7 understand where you're going. I think it's
8 important --

9 SENATOR SANTARSIERO: well, just
10 answer the question. would that --

11 MR. KETCHUM: Yeah. So --

12 SENATOR SANTARSIERO: Yeah.

13 MR. KETCHUM: So it depends on
14 the estimate. If the million gallons was from
15 just someone said, hey, we lost a million
16 gallons --

17 SENATOR SANTARSIERO: Right.

18 MR. KETCHUM: -- but we don't
19 really know?

20 SENATOR SANTARSIERO: well, no,
21 no, no. My --

22 MR. KETCHUM: So --

23 SENATOR SANTARSIERO: My
24 hypothetical.

1 MR. KETCHUM: Yeah, absolutely.

2 SENATOR SANTARSIERO: If we know
3 there's a million gallons that's been released,
4 and now we're only getting a hundred gallons
5 out --

6 MR. KETCHUM: Yeah. There would
7 be increased scrutiny on whether or not you're
8 done.

9 SENATOR SANTARSIERO: That would
10 be -- that would be, to say the least, right?

11 MR. KETCHUM: Yeah.

12 SENATOR SANTARSIERO: Because
13 presumably this stuff just wouldn't, you know,
14 go off into the ether, although I guess, you
15 know --

16 MR. KETCHUM: It absolutely
17 does, yeah.

18 SENATOR SANTARSIERO: Yeah, it
19 does. But -- but not that volume, correct?
20 No.

21 MR. KETCHUM: Depending on the
22 time frame, probably not --

23 SENATOR SANTARSIERO: Yeah,
24 probably not.

1 MR. KETCHUM: -- in your
2 hypothetical.

3 SENATOR SANTARSIERO: Right.
4 Right.

5 So the point is that while it is
6 true that your obligations under Act 2 were to
7 address what you can discover in the ground,
8 what was released is relevant.

9 MR. MCGINN: And I think no
10 one's --

11 (Applause)

12 And, Senator, no one's disputing
13 in terms of cleanup. What -- what Neil was
14 addressing is, in his role as the lead of this
15 Act 2 cleanup process, what Act 2 is asking
16 for, what the order's doing and addressing it.

17 SENATOR SANTARSIERO: Oh, I
18 completely understand that, Joe. But what I'm
19 getting to at this point is the fact that we
20 are now eight-and-a-half months in post
21 acknowledgement of a release. And we are -- I
22 don't believe any of us here tonight have any
23 better understanding of exactly how much
24 product was actually released, over what period

1 of time it was released.

2 And that's relevant, because at
3 the end of the day, if what the
4 characterization report is about is trying to
5 better characterize the extent of the problem,
6 and therefore address it in a cleanup, as
7 required under Act 2, knowing what the extent
8 of the problem was on day one is pretty
9 important.

10 And it's mind-boggling to me
11 that we're here now in the middle of September
12 and we still don't have a better answer to that
13 question. And that's something we'll take up
14 with both PHMSA and the DEP.

15 Let me move on to another issue
16 that was raised previously by one of the
17 speakers.

18 You said, you know, repeatedly,
19 that the product floats on the water. And you
20 believe it's somewhere in a depth of about 75
21 feet. I don't want to mischaracterize you. Is
22 that what you were saying?

23 MR. KETCHUM: No.

24 SENATOR SANTARSIERO: Okay.

1 Then explain what you were saying.

2 MR. KETCHUM: Do you want me to
3 go through the data again?

4 SENATOR SANTARSIERO: No, no,
5 no. I want you to tell me at what depth you
6 think you would generally believe you would
7 find the product.

8 MR. KETCHUM: So the depth that
9 we did find the product was between ten and I
10 believe -- I don't have the report open --

11 SENATOR SANTARSIERO: Okay.

12 MR. KETCHUM: -- but I believe
13 45 feet --

14 SENATOR SANTARSIERO: Okay.

15 MR. KETCHUM: -- was where the
16 product was coming out of the formation into
17 the wells.

18 SENATOR SANTARSIERO: Okay. So
19 no deeper than 45 feet, as far as you know, up
20 until now?

21 MR. KETCHUM: The data that we
22 had did not show LNAPL coming out of the
23 formation --

24 SENATOR SANTARSIERO: Deeper

1 than 45 feet?

2 MR. KETCHUM: -- from fractures
3 deeper than 45 feet.

4 SENATOR SANTARSIERO: And I -- I
5 understood your distinction earlier to what
6 happens within a well casing as the water level
7 goes up and down. Right?

8 MR. KETCHUM: Yep.

9 SENATOR SANTARSIERO: As opposed
10 to in the -- in the aquifer, in the -- in the
11 fractures outside the well, right? There's a
12 distinction between those two things.

13 what I'm confused about -- and
14 if you could explain it, I'd be grateful -- if
15 you had a well that was several hundred feet
16 deep and product was found in that well, as was
17 the case here, how do you explain that if we
18 think that the -- at least right now, the
19 deepest we're able to find product in the
20 aquifer is about 45 feet?

21 MR. KETCHUM: I don't understand
22 what you're saying.

23 SENATOR SANTARSIERO: How's the
24 product getting into that -- how's the product

1 getting into that well?

2 MR. KETCHUM: If there's product
3 in the well, it's coming in from fractures
4 between ten and 45 feet. Based on the data we
5 have, where we see product coming into wells is
6 between ten and 45 feet. It comes into the
7 well.

8 SENATOR SANTARSIERO: So it's
9 coming through the casing? So you're saying --

10 MR. KETCHUM: No. Well, that
11 where we saw the ten feet would not have been
12 casing, because you can't see through the
13 casing.

14 SENATOR SANTARSIERO: Okay.

15 MR. KETCHUM: So those are wells
16 that have shallower depths or hadn't had wells
17 constructed -- or hadn't had a well constructed
18 in it.

19 But it can't go through steel
20 casing. It might -- I guess if there's a bad
21 completion, it could run along the steel casing
22 and come in.

23 SENATOR SANTARSIERO: Okay.

24 MR. KETCHUM: Casings are

1 generally 20 --

2 SENATOR SANTARSIERO: That was
3 my next question --

4 MR. KETCHUM: -- maybe 40 feet.

5 SENATOR SANTARSIERO: -- how
6 deep they are.

7 MR. KETCHUM: It varies based on
8 the age of the well and the construction of
9 when rock was encountered.

10 SENATOR SANTARSIERO: Okay.

11 MR. MCGINN: And, Senator,
12 we're -- we're over the -- the five minutes, if
13 you don't mind wrapping up questions. If we
14 have --

15 SENATOR SANTARSIERO: Okay.

16 well --

17 MR. MCGINN: I'm just saying --

18 SENATOR SANTARSIERO: I'm not --
19 that's fine. I am finishing.

20 MR. MCGINN: The offer I would
21 give is, if you have additional questions, we
22 could have you come back up. But just to make
23 sure --

24 SENATOR SANTARSIERO: Yeah. No.

1 well, I mean, I get -- the crux of my question
2 is that, you know, if you have product in a
3 very, very deep well, and you're thinking,
4 based on your data so far, your analysis so
5 far, is that the product in the fractures is
6 roughly at a depth of 45 feet --

7 MR. KETCHUM: We didn't see it
8 deeper than 45 feet.

9 SENATOR SANTARSIERO: You didn't
10 see it, right.

11 MR. KETCHUM: Okay.

12 SENATOR SANTARSIERO: To date,
13 you haven't seen it deeper than 45 feet.

14 I'm just suggesting it -- it --
15 it suggests perhaps that it's deeper than that.

16 MR. KETCHUM: What? What is
17 that that suggests that?

18 SENATOR SANTARSIERO: The
19 product. Well, the fact that it's --

20 MR. KETCHUM: In a well or in
21 the formation?

22 SENATOR SANTARSIERO: No, no,
23 no. The fact that it's in wells that are very
24 deep at least opens up the possibility that

1 it's very --

2 MR. KETCHUM: The wells are open
3 from ten, 20 feet the whole way to the bottom.

4 SENATOR SANTARSIERO: Right.

5 MR. KETCHUM: So water would
6 come in throughout the entire length of it.

7 SENATOR SANTARSIERO: Right.

8 MR. KETCHUM: I'm not sure the
9 depth of the well has to do with where the
10 product is coming in.

11 SENATOR SANTARSIERO: Okay.

12 MR. KETCHUM: Those don't --
13 that doesn't make sense to me.

14 SENATOR SANTARSIERO: Right.

15 MR. KETCHUM: I apologize.

16 SENATOR SANTARSIERO: It -- so
17 you're saying anything below the casing would
18 be fair game for it to -- to have come in
19 presumably, right?

20 MR. KETCHUM: That's where --
21 that's where -- that's the purpose of a well --

22 SENATOR SANTARSIERO: Right.

23 MR. KETCHUM: -- is to be open
24 below the casing --

1 SENATOR SANTARSIERO: Right.

2 MR. KETCHUM: -- to the
3 formation, yes, sir.

4 SENATOR SANTARSIERO: Right.
5 Okay. So that's where it could have been
6 coming in, at some point below that casing?

7 MR. KETCHUM: That's what we
8 saw --

9 SENATOR SANTARSIERO: Okay.

10 MR. KETCHUM: -- in wells.

11 SENATOR SANTARSIERO: All right.
12 Well, we'll -- we'll take a look and see,
13 because I'm not sure, in the case of people who
14 have very deep wells, what their casing is and
15 how that relates to where you've -- you've
16 encountered it elsewhere in the formation.

17 But it does suggest that
18 perhaps -- I mean, we're at a characterization,
19 point of characterization. And again, this
20 gets back to the point of knowing how much
21 product we're dealing with, exactly what.

22 Have you really determined
23 accurately what the extent of this problem is?
24 And I know you're still in the process. I get

1 that. But there are serious questions, I
2 think, based on the data, about whether that's
3 the case so far.

4 And it is a concern, because if
5 the entire remediation is being driven by that,
6 and ultimately, you know, down the road,
7 whether, in fact, this site had been completely
8 cleaned up, I think that's a concern that the
9 neighbors and all of us have, frankly.

10 Thank you.

11 MR. MCGINN: Thank you, sir.

12 (Applause)

13 Our next speaker is Kevin
14 Bongarzone, I believe from Congressman
15 Fitzpatrick's office.

16 MR. BONGARZONE: Good evening,
17 everybody. My name is Kevin Bongarzone, and
18 I'm a senior staffer with Congressman
19 Fitzpatrick's office.

20 Unfortunately, the Congressman
21 is in Washington tonight for votes and unable
22 to join us. Kyle from our team as well is
23 unable to attend. He's currently out of the
24 country visiting family.

1 However, I've attended previous
2 meetings here and have worked closely with Kyle
3 on these pipeline issues. I can assure you
4 that both Kyle and the Congressman will be
5 fully briefed immediately following this
6 meeting.

7 I want to thank you guys for
8 being here. And while we appreciate your
9 update, you know, we're eager to hear more
10 answers to the constituents' questions here
11 tonight.

12 The Congressman is keeping a
13 close eye on this and plans to stay continually
14 involved on behalf of Upper Makefield
15 residents.

16 So he's personally written to
17 both Pennsylvania DEP and the EPA regarding
18 this issue. Just a few weeks ago, we signed a
19 letter, joint letter with Senator Fetterman, to
20 PHMSA outlining the serious safety concerns and
21 accountability concerns.

22 In regards to the DEP letter,
23 after the July 1st township meeting, it became
24 clear that the current DEP order isn't enough.

1 That's why the Congressman has asked DEP to
2 require Energy Transfer pay for a full study on
3 a permanent water solution, and take
4 responsibility for implementing and maintaining
5 that solution for the life of the pipeline.

6 (Applause)

7 He has also asked DEP to set
8 clear enforceable requirements, which include
9 regular upkeep of POET systems, air quality
10 monitoring with public reporting, assessing
11 septic system impacts, and frequent transparent
12 water testing. Simply put, our community
13 deserves lasting enforceable protection.

14 Regarding the letter addressed
15 to the EPA, the Congressman points out that
16 while PADEP has been leading the response,
17 residents are still concerned about water
18 safety and the long-term cleanup. We need more
19 clarity, stronger action, and better
20 communication.

21 That is why the Congressman is
22 calling on the EPA to step in and provide
23 additional support. Past incidents like the
24 Floreffe oil spill in 1988 show that when state

1 and federal agencies work together, responses
2 are stronger, faster, and more transparent.

3 Right now, residents do not have
4 answers about cleanup time, the recovery wells,
5 or the full amount of fuel released. We cannot
6 move forward without that information.

7 Regarding the joint PHMSA letter
8 with Senator Fetterman just weeks ago, Energy
9 Transfer admitted to multiple problem sites in
10 the township after months of denial. Now we
11 know of at least 12 excavation sites
12 contradicting the prior statements.

13 PHMSA has inspectors on site,
14 but refuses to share the findings, citing no
15 indication of pipeline issues without releasing
16 the data. This lack of transparency is
17 unacceptable.

18 Residents deserve the truth.
19 They deserve accountability. And they deserve
20 action. Right now, we are asking three things:
21 Immediate release of all inspection results,
22 full disclosure of PHMSA's findings, and
23 shutting down the Twin Oaks Pipeline until it
24 is independently verified as safe.

1 (Applause)

2 Keeping this pipeline running
3 while contamination remains is indefensible.
4 Our community's health and safety must come
5 first.

6 In closing, the Congressman
7 remains active with PHMSA regarding the serious
8 concerns outlined in this letter with Senator
9 Fetterman. Most notably, the concerned
10 anomalies in Upper Makefield and the excavation
11 activity are now set to begin. While PHMSA has
12 yet to release full inspection data or
13 investigative findings, we continue to press
14 for transparency and expect to share more with
15 the public soon.

16 The Congressman has been clear
17 from the beginning, the Twin Oaks Pipeline
18 should not be in operation until a full
19 investigation's done, the safety of the line is
20 independently verified beyond question, and
21 those responsible are held accountable. The
22 residents of Upper Makefield and Bucks County
23 at large deserve nothing less.

24 Thank you, guys.

1 MR. MCGINN: So we're going to
2 move on to individuals that are outside of the
3 neighborhood for this, at least, first round of
4 questions.

5 But just a reminder before I do,
6 the information here again for -- some people
7 have left, so I just wanted to highlight again
8 if anybody else leaves -- this is how you can
9 submit public comments beyond tonight.

10 And, also, I've seen a number of
11 people take pictures. I think I mentioned at
12 the beginning -- and if I didn't, I
13 apologize -- this will -- this presentation
14 will be up on the website tomorrow so that, you
15 know, folks will have access to it.

16 So our next speaker is Jim Burd
17 from Nursery Road in Titusville, New Jersey.

18 MR. BURD: Good evening. Jim
19 Burd, 115 Nursery Road, Titusville, New Jersey.
20 I'm one of your neighbors.

21 You have a line that is running
22 from Bucks County over into Hopewell Township
23 and all the way up to Newark. In 1957, I moved
24 into Scotch Road, right near Nursery Road,

1 right where that line is running for a
2 development in Hopewell Township. It's called
3 the -- the venue.

4 No one really knew anything
5 about this -- this pipeline. This pipeline is
6 now 68 years old. And I did a little research
7 and found out that they were talking about a
8 50-year life expectancy on these pipelines. So
9 that's -- that's a concern that I have.

10 But I go a little bit further,
11 because when you're going to put in a
12 development right there on what was called
13 Travagline's Farm, does anybody -- is anyone
14 going to tell their prospective buyer that
15 there is a jet pipeline, a jet fuel pipeline,
16 that runs through the center of that
17 development? And will that person also say to
18 them that you're -- that you really could have
19 concerns when you eventually sell this house,
20 that it's going to be less profitable to you
21 because there was a leak of the jet fuel in
22 that property.

23 Now the next situation is,
24 you're only four feet below the -- below the --

1 below the ground level for this 24-inch
2 pipeline. When you're talking about leakage,
3 and we're talking 64 years because -- we're
4 also talking about the shale that is in this
5 area. So you're getting the movement and the
6 wear and the tear. So that opportunity
7 continues to increase.

8 I guess one of my questions --
9 I have a few questions. One of the questions I
10 have, I see that finally Pennsylvania
11 Department of -- or DEP got involved. How do
12 we get New Jersey involved? Even though that
13 situation might not happen right away, but how
14 can we deter that problem now?

15 I guess the other question I
16 have is that Sunoco makes a few bucks selling
17 this -- selling this material up in Newark at
18 the -- at the airport. So how come they can't
19 take their money and replace the fuel line all
20 the way from where it started?

21 Now, you changed it. You did a
22 change underneath the Delaware River. But on
23 either side, shouldn't they replace that fuel
24 line completely?

1 (Applause)

2 So there are a few questions
3 that I have. Hopewell Township is very similar
4 to Upper Makefield. Hopewell Township actually
5 does not have sewer. Hopewell Township does
6 not have water companies. We use a lot of the
7 groundwater for our drinking water. And we use
8 a lot of septic systems for our -- for our
9 septic system in lieu of sewer.

10 And these are issues that aren't
11 just going to be affecting the people in the
12 venue, because they're a confined area. But
13 what it will affect is everybody else around
14 that entire area, because that will impact the
15 value of their home if and when the time comes
16 that it leaks.

17 And I'll be very candid with
18 you, that steel pipe has pores. Even though
19 it's -- even though it's very, very fine pores,
20 it will leak. And if you're talking 50-year
21 life expectancy, we're now into 68 years.

22 So what can you do to get Sunoco
23 to make this change or shut it down completely?

24 Thank you.

1 MR. MCGINN: Thank you. Our
2 next speaker is Rebecca Shepherd. I'll just
3 put "info elsewhere."

4 MS. SHEPHERD: Good evening and
5 thanks for taking our questions.

6 I live on Dollington a quarter
7 of a mile from the pipeline. So I'm not
8 affected by this spill. I don't want to ever
9 be affected by a spill. And I haven't heard
10 any discussion of what the pipeline company
11 plans to do after the remediation is deemed
12 complete.

13 I would expect -- for example,
14 the first speaker, and Senator Santarsiero
15 brought this up as well, why can't we get
16 reports of what's in the pipeline, how much
17 goes into the pipeline, and how much comes out
18 of the pipeline on a monthly basis? What's the
19 problem with sharing that information?

20 I know that this report is not
21 about volume. I get it. But we're all nervous
22 here. We can't see what's under the ground.
23 We can't see what's in the water. We don't
24 know what's down there that you haven't found

1 and remediated.

2 So give us some answers. Give
3 us some transparency. Even the estimate of 156
4 barrels, which hasn't changed from day one, I
5 have not heard any discussion or disclosure of
6 the methodology that the pipeline company used
7 to come up with that estimate. Apparently,
8 it's confidential information. Why can't we
9 get an independent expert in that field, under
10 non-disclosure, take a look at your methodology
11 so we can be reassured that it's only 156?

12 I -- there's just no confidence
13 because of the black box nature of a lot of
14 what you're doing, that people upstream,
15 downstream, you know, a quarter of a mile from
16 the pipeline wherever it is, are going to have
17 safe drinking water.

18 Thank you.

19 (Applause)

20 MR. MCGINN: Our next speaker is
21 Christina Bradelli (sic), from Langhorne, PA.

22 MS. BRACHELLI: Hi. My name is
23 Christina Brachelli, and I'm a resident of
24 Bucks County. Thank you all for being here to

1 answer questions. And thank you, Senator and
2 Congressman, for continuing to attend these
3 meetings.

4 My first question is, why isn't
5 the DEP present tonight? As a resident of
6 Pennsylvania, I'm just curious if they were
7 invited, if they declined the invitation.

8 MR. MCGINN: I think DEP set the
9 timeline for the meetings. They're aware of
10 the meeting. I believe they had a meeting very
11 recently with the township.

12 I can't speak for DEP, why
13 they're not here, but I would say that they've
14 been having their own public meetings.

15 And this report, and all of this
16 is for DEP. So they will get all this
17 information.

18 MS. BRACHELLI: Right. So it
19 would be relevant for them to be here.

20 Have you attended meetings of
21 this nature in the past; and if so, was DEP
22 present at those?

23 MR. MCGINN: I think, as -- as
24 Neil mentioned, this is not a typical Act 2

1 meeting. Neil has vastly more experience in
2 this than I have, but this report and this
3 meeting are not typical. Right? This is an
4 enhancement?

5 MR. KETCHUM: Yeah. So this --
6 it's not a standard meeting. But, again, like
7 Joe said, the -- all these comments are for the
8 public involvement plan, which is a -- a
9 document that outlines how information and
10 participation will be handled. And so these
11 comments get provided to the DEP with
12 responses. They review everything.

13 MS. BRACHELLI: Okay.

14 MR. KETCHUM: So I -- I can't
15 speak for the department about whether or not
16 they would normally attend this. But the
17 information, like Joe said, the purpose of this
18 is to generate information from the public.
19 SPLP responds to that. And all of that gets
20 packaged up and provided to the DEP, as they
21 review the -- the interim site characterization
22 report.

23 MS. BRACHELLI: Okay.

24 MR. MCGINN: And DEP has been

1 engaged in terms of certainly on a daily basis
2 from a workday standpoint. They will -- I
3 don't think there's a day that goes by without
4 some level of engagement and communication.

5 MS. BRACHELLI: Okay. And do
6 you know when they'll be reviewing your ISCR
7 plan for completeness and releasing public
8 comments as far as their opinion?

9 MR. KETCHUM: That -- there is
10 a -- a process. There's a number of days and
11 everything. I don't have the dates memorized.
12 But there's a -- the public involvement plan
13 states how many days there are for this public
14 comment. Then that ends. And then there's a
15 certain number of days in that plan -- it's all
16 outlined --

17 MS. BRACHELLI: Okay.

18 MR. KETCHUM: -- for the
19 response. And then there's a certain number of
20 days, after those responses go to the DEP, for
21 them to make their -- their final decision.

22 MS. BRACHELLI: And then as far
23 as that, their opinion, are you aware of the
24 consequences from DEP for submitting an

1 incomplete or unsatisfactory ISCR? Like is
2 there a timeline where you would need to
3 provide your complete response?

4 MR. KETCHUM: I don't know.
5 That would be in their response. But like we
6 said in the report, the characterization isn't
7 complete. This is a snapshot in time on
8 September 2nd. That date was picked before any
9 work plan or anything was developed or any
10 activities were done.

11 MS. BRACHELLI: Okay.

12 MR. KETCHUM: So this is -- and
13 it's not a standard Act 2 report. This is from
14 the order. We want a snapshot. We want an
15 update on the characterization activities on
16 September 2nd. So that's what this report is.

17 MS. BRACHELLI: Okay.

18 MR. MCGINN: And one thing I'd
19 add, one of the beginning slides listed all
20 these different reports and steps through the
21 Act 2 process. And Neil had highlighted, you
22 know, submittal dates, review dates, final
23 approval date.

24 So, you know, Neil, correct me

1 if I'm wrong, but it's not uncommon for DEP,
2 when we submit something, they review it and
3 then they can either approve it right away, but
4 often they'll have comments --

5 MS. BRACHELLI: Right.

6 MR. MCGINN: -- and there will
7 be a back and forth.

8 MS. BRACHELLI: So there was a
9 comment in there about the septic investigation
10 that was requested from DEP. I understand this
11 came on August 29th, and this was due
12 September 2nd. So that's a little bit too
13 tight for you.

14 But when do you anticipate that
15 you'll be releasing that information to the
16 public?

17 MR. KETCHUM: Yeah, I think a
18 letter will go to them in the very near
19 future --

20 MS. BRACHELLI: Okay.

21 MR. KETCHUM: -- with that
22 information.

23 MS. BRACHELLI: Yeah. Just to
24 be sure that it's ahead of the close of the

1 public comments, which are October 17th.

2 So do you think you would have
3 that by like October 1st? Do you have like a
4 ballpark of when you would have that?

5 MR. KETCHUM: I would -- I don't
6 know for sure. But I would -- I would think
7 so. I'd have to think about the -- the timing
8 of all that, but I would think so.

9 I can't commit to that, though.

10 MS. BRACHELLI: Okay.

11 MR. KETCHUM: There are other
12 people involved.

13 MS. BRACHELLI: Yeah, like
14 September 29th would be a month. So I would
15 think that would be sufficient.

16 Okay. These in-person meetings
17 do seem to flow much better than the online
18 meetings, right? Because you can have the
19 involvement of the public officials.

20 (Applause)

21 Is that something that's under
22 consideration, to hold more public meetings in
23 the future? And I really would like to see
24 more public meetings where PHMSA, DEP,

1 everybody's here working together and having
2 discussion.

3 MR. MCGINN: Yeah. I think
4 the -- the next public meeting that we have
5 committed to is October 30th, which I had
6 mentioned before.

7 MS. BRACHELLI: That's virtu --
8 is that virtual?

9 MR. MCGINN: That's a Zoom
10 meeting --

11 MS. BRACHELLI: Yeah.

12 MR. MCGINN: -- similar to the
13 last one.

14 MS. BRACHELLI: Okay. Is there
15 a consideration for that to go in person
16 or . . .?

17 MR. MCGINN: I think the focus
18 of that is to --

19 MS. BRACHELLI: It's just
20 there's so much data not available today. Like
21 there's a lot of maybes and a lot of half
22 answers. So to be able to have a public
23 meeting where hopefully we -- there is more
24 information and people can ask more questions

1 and have this dialogue would be beneficial.

2 MR. MCGINN: Yeah. I would say
3 this: I think for the meeting on the 30th that
4 we committed to, we committed to a format
5 that's going to proceed.

6 You know, moving forward, you
7 know, there's still, you know, steps that need
8 to be taken in this Act 2 process, more data to
9 achieve. And I would not anticipate that would
10 be the -- the last public meeting along the
11 way.

12 In terms of format, it varies.
13 Obviously, for -- for feedback on it for people
14 here, they're here. They're here in person.
15 You know, we have a good amount of people that
16 have joined virtually.

17 You know, in some cases, maybe
18 that's just from a convenience standpoint or
19 people being busy. So it does -- it does give
20 an opportunity in terms of for people to
21 attend --

22 MS. BRACHELLI: Right.

23 MR. MCGINN: -- and multitask.

24 MS. BRACHELLI: And it could be

1 streamed as well. Like in-person meetings
2 could be streamed as well. I do see that
3 happen.

4 I do want to be mindful of time,
5 So two more questions.

6 The request tonight for redacted
7 info, if that is submitted ahead of the close
8 of the public comments, will either the logic
9 behind the redaction or the unredacted
10 information be released when you release the
11 information on the public comments?

12 MR. MCGINN: As I said before,
13 in terms of the comment, all of this is to
14 receive those comments. We'll also get those
15 comments in writing. Each comment will be
16 addressed.

17 MS. BRACHELLI: Okay. And how
18 is that addressed? Just in writing and then
19 it's released out?

20 MR. MCGINN: Yeah, So everything
21 will be addressed formally.

22 well, Tim, why don't you -- or,
23 excuse me. I called you Tim twice now. Sorry.

24 Neil, why don't you . . .

1 MR. KETCHUM: So the process is,
2 the questions are provided. And this is a
3 unique situation because we've answered a lot
4 of the questions.

5 MS. BRACHELLI: Will you still
6 capture those in writing?

7 MR. KETCHUM: I'm not sure
8 exactly how that -- I don't know
9 administratively exactly how.

10 MS. BRACHELLI: If it's videoed?

11 MR. KETCHUM: No. I understand
12 it is videoed. But I don't know. I have to
13 leave it up to the people who know more about
14 the -- the public involvement plan
15 administrative process than I do.

16 As to whether or not questions
17 that are answered need to then be -- the
18 responses need to be provided in writing for
19 the answer, I don't know exactly how that
20 works.

21 MS. BRACHELLI: Right.

22 MR. KETCHUM: But generally
23 speaking, the questions --

24 MS. BRACHELLI: Yeah. It would

1 be, yeah, in everybody's best interest to
2 capture the question and then the -- the final
3 response.

4 MR. KETCHUM: Right.

5 MS. BRACHELLI: For the
6 questions that were asked tonight that weren't
7 answered, is there any plan to release those
8 responses ahead of the October 17th date if you
9 have those responses, so then the public can
10 ask subsequent follow-up questions if they have
11 them?

12 MR. MCGINN: I think, really,
13 it's -- it's trying to aggregate all the
14 questions and respond to them.

15 There are certain things that
16 were off topic we talked about in terms of
17 responding outside of the bounds of the Act 2
18 process through regular updates and -- and
19 things like that.

20 But you have gone well over
21 the -- the five. If you have one more
22 question . . .?

23 MS. BRACHELLI: No. I'm good.
24 I'm good.

1 Thank you.

2 MR. MCGINN: All right. Thank
3 you.

4 (Applause)

5 Our next speaker is Joe Babiasz
6 from Crestwood Road.

7 Do you have follow-ups, Joe?

8 MR. BABIASZ: Yes. So, Neil, I
9 just wanted to bug you one more time.

10 MR. KETCHUM: No, that's . . .

11 MR. BABIASZ: So you said -- you
12 were referring to the passage that I referred
13 to in my comment, right, about like what is the
14 meaning of volume.

15 So like -- like this is the
16 ISCR. And it just says the extent, direction,
17 rate of movement, volume, and composition of
18 regulated substances released into the
19 environment from the pipeline release. Like
20 that sounds pretty clear to me that it's from
21 this.

22 MR. KETCHUM: Yeah, I completely
23 understand what you're -- I was just trying to
24 provide some context. Those words come from

1 the technical guidance manual and from the
2 regulations.

3 And so oftentimes, many
4 releases, you don't have an estimate of the
5 release. So petroleum underground storage
6 tanks is the most common releases in the
7 Commonwealth. You oftentimes have no idea what
8 the release -- how -- what the release volume
9 was or what the release timing was. But the
10 Act 2 process still allows you to clean those
11 up.

12 So just there's a -- the process
13 works even when you don't know exactly, what
14 exactly, when exactly, how much. So I was just
15 trying to point out that the -- the words in
16 the TGM and in the regulations are about the
17 volume of contaminated soil, volume of
18 contaminated groundwater. Because, quite
19 simply, in most cases, the -- there's -- it's
20 not known exactly what the release volume was.

21 MR. BABIASZ: Okay. But, I
22 mean, would you agree that what I just read is
23 referring to the release --

24 MR. KETCHUM: I think your mic

1 went out.

2 MR. BABIASZ: -- the volume from
3 the release?

4 MR. KETCHUM: I'm sorry.

5 MR. BABIASZ: It says the
6 composition -- I'm sorry, release into the
7 environment from the pipeline release. Like I
8 think that's pretty clear.

9 So it's saying the stated goal
10 of this report includes the volume released
11 into the environment from the release. Like
12 it's a very basic goal stated on the first page
13 that is not included in this report.

14 MR. KETCHUM: Yeah. I'm not
15 sure -- I understand the nuance that you're
16 getting at. I'm just trying to point out
17 that --

18 (Whereupon, audience members
19 talking at once.)

20 MR. KETCHUM: I apologize. You
21 said the --

22 MR. BABIASZ: This is not being
23 subtle or nuance.

24 MR. KETCHUM: No, no, no.

1 The -- the difference between calculating the
2 volume in the environment versus the volume
3 from the pipeline. The environmental statutes
4 are for dealing with contamination in the
5 environment.

6 It's a different process to deal
7 with the release rate or release volume from a
8 pipeline. That's a mechanical thing, not part
9 of the environmental statute.

10 So I was trying to point that
11 nuance out.

12 MR. BABIASZ: The standard of
13 Act 2 is going to refer to --

14 MR. KETCHUM: What's that?

15 MR. BABIASZ: Yeah, the standard
16 is going to refer to recovery, but . . .

17 MR. KETCHUM: Right.

18 MR. BABIASZ: So would you agree
19 that this does not achieve that stated goal of
20 including the volume released into the
21 environment, in these exact words?

22 MR. KETCHUM: That report does
23 not talk about the release volume. The
24 estimate that was made that's in the site

1 characterization report, that volume hasn't
2 changed. So that's the release volume.

3 And then what this report is
4 getting at is the volume. Or the
5 characterization process is to find the volume
6 in the environment.

7 And like we stated in the
8 report, we started that process. We're not
9 there yet because we haven't gotten all the
10 wells in.

11 On the soil, we have
12 demonstrated the volume of impacted soil, like
13 we talked about. It was inside that excavation
14 area. So that's gone. So that has been done.

15 And the groundwater, we're
16 waiting for the groundwater results from the
17 monitoring wells, and then we'll be able to
18 answer that question for groundwater.

19 MR. BABIASZ: Understood.

20 Okay. So I did previously ask,
21 is there an updated volume estimate? You said
22 you were not aware of --

23 MR. KETCHUM: That's correct.

24 MR. BABIASZ: -- of an updated

1 estimate.

2 Joe, do you have an answer to
3 that question as well? Has Sunoco computed an
4 estimate since the initial 156 barrels?

5 MR. MCGINN: The -- the estimate
6 has not changed.

7 MR. BABIASZ: Have you computed
8 a different estimate or . . . ?

9 MR. MCGINN: I don't know. As
10 I'm saying, the estimate hasn't changed.
11 Looking at this and the data, the estimate in
12 terms of the release has not changed.

13 MR. BABIASZ: All right. Thank
14 you.

15 MR. MCGINN: Thank you.

16 All right. That brings us to
17 the conclusion in terms of submitted comments.
18 The one thing I'll remind folks in terms of
19 moving forward, and again being respectful of
20 the -- the church's time frame, I think
21 we're -- we're going to adhere to that in terms
22 of concluding and -- and being out here by
23 9:30.

24 But I appreciate and we

1 appreciate everybody's time coming tonight. We
2 realize that this is not the type of
3 circumstance that you want to spend your --
4 your Monday evening on, but appreciate your
5 comments and feedback.

6 All of it will be noted, as
7 Cheryl has taken it down, in the report. This
8 video will be posted and the -- in the very
9 near future. I would say -- I don't know if
10 it'll be done tomorrow, but as soon as our
11 video and AV team can get it up and downloaded
12 on the website. And this PowerPoint will also
13 go up on the website tomorrow.

14 The last reminder: Public
15 comments can be submitted in writing up to
16 October 17th. If you're unsure on how to do
17 that, it will be on this form. You can provide
18 any more information that's needed and it can
19 be done via e-mail or by U.S mail.

20 So with that, thank you, guys,
21 for your time. And have a good night.

22 (Whereupon, the public meeting
23 was concluded at 9:17 p.m.)

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C E R T I F I C A T E

I do hereby certify that the
aforesaid proceeding was taken before me,
pursuant to notice, at the time and place
indicated; that the proceeding was correctly
recorded in machine shorthand by me, to the
best of my ability, and thereafter transcribed
under my supervision with computer-aided
transcription; that it is a true and correct
record of the proceeding; and that I am neither
of counsel nor kin to any party in said action,
nor interested in the outcome thereof.

WITNESS my hand and official
seal this 22nd of September, 2025.

CHERYL L. GOLDFARB, R.P.R.
Notary Public

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