

ATTACHMENT 63 – MICHIGAN GAS UTILITIES EMPLOYEE INTERVIEW TRANSCRIPT

UNITED STATES OF AMERICA

NATIONAL TRANSPORTATION SAFETY BOARD

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Investigation of:

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ENBRIDGE OIL SPILL

* Docket No.: DCA-10-MP-007

MARSHALL, MICHIGAN

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Interview of: DICK BRADSHAW

Monday,
August 2, 2010

The above-captioned matter convened, pursuant to notice,
at 11:29 a.m.

BEFORE: DANA SANZO
Accident Investigator

APPEARANCES:

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I N T E R V I E W

(11:29 a.m.)

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3 MS. SANZO: My name is Dana Sanzo. I am an investigator
4 with the National Transportation Safety Board and we are -- today,
5 we are conducting an interview regarding the Enbridge pipeline
6 accident in Marshall, Michigan. And if we could go around the
7 table and everybody introduce yourself and your title, please, and
8 a contact telephone number or e-mail, whichever you prefer.

9 MR. BUNN: Okay. I'm Jim Bunn from PHMSA Central
10 Region. I'm located in Kansas City. My phone number there is
11 816-329-3806 and I'm called a general engineer.

12 MR. BRADSHAW: I'm Dick Bradshaw, Michigan Gas Utilities
13 out of Coldwater, Michigan. I'm senior service technician.

14 MR. SCHAUM: I'm Jim Schaum with Michigan Gas Utilities.
15 I'm operations supervisor out of Coldwater.

16 MR. JOHNSON: Can I get the spelling of your last name?

17 MR. SCHAUM: S-c-h-a-u-m.

18 MR. JOHNSON: And -- okay. And where do you live? I
19 didn't catch it.

20 MR. SCHAUM: I work out of Coldwater.

21 MR. JOHNSON: Okay.

22 MR. SCHAUM: Live in Marshall.

23 MR. JOHNSON: Oh, really? Okay. Maybe if we could just
24 get a little something to go with the --

25 MR. SCHAUM: Like a --

1 MR. JOHNSON: A little just job description, how's that?

2 Just a --

3 MS. BRADSHAW: Like I said, a service technician out of
4 the Coldwater area.

5 MR. JOHNSON: What do you mean? Like, what do you do?
6 Do you do the locates? Do you do the orders? You know, is that
7 you? I mean, when I say that, you know, the 911 calls or --

8 MS. BRADSHAW: The basic job is from the meter on in. I
9 do, do emergency locating at times. I do all emergency calls such
10 as odor complaints, fires and such nature. I'm -- I investigate
11 such nature on that.

12 MR. JOHNSON: Okay. That's perfect. For me it is
13 anyway.

14 MR. SCHAUM: And I'm basically a supervisor. I work
15 with Dick and --

16 MR. BUNN: Any other staff or just --

17 MR. SCHAUM: Well, yeah.

18 MR. BUNN: Okay

19 MR. SCHAUM: There's other staff, but I mean --

20 MR. BUNN: Okay.

21 MR. SCHAUM: -- my purpose is to look at the work.

22 MR. BUNN: Okay.

23 MR. JOHNSON: So are you --

24 MR. SCHAUM: Make sure it gets done.

25 MR. JOHNSON: I don't know quite your -- I don't know

1 your system at all. Like kind of all around and then you've got
2 guys located in various places to be local; is that a fair
3 statement or --

4 MR. SCHAUM: Yes.

5 MR. BRADSHAW: Yeah.

6 MR. JOHNSON: Okay. So then you kind of all the --
7 how's this, all the workers?

8 MR. SCHAUM: Yeah. Yeah.

9 MR. JOHNSON: Then I (indiscernible). I didn't say
10 that. Perfect. Then I've got a pretty good idea. Maybe --

11 MR. SCHAUM: Yeah, it's all local Coldwater. We have --

12 MR. JOHNSON: Yeah. Actually --

13 MR. SCHAUM: We have other areas.

14 MR. JOHNSON: -- I actually get down to Coldwater quite
15 a bit.

16 MR. SCHAUM: Hillsdale and Sturgis is our territory and
17 this area up here is -- comes from Coldwater, responds out of
18 Coldwater.

19 MR. JOHNSON: Okay. Excellent. Is it a transmission or
20 distribution?

21 MR. SCHAUM: Both.

22 MR. BRADSHAW: Both.

23 MR. JOHNSON: Okay, both. So transmission, do you
24 service Marshall, for instance, or --

25 MR. SCHAUM: We start serving at Oliver Division, south.

1 MR. BRADSHAW: Just south of Division Drive.

2 MR. SCHAUM: Right.

3 MR. BRADSHAW: We got --

4 MR. SCHAUM: South of Division all the way through
5 Coldwater, almost the state line.

6 MR. BRADSHAW: We actually have some houses on Division
7 Drive.

8 MR. SCHAUM: Right.

9 MR. JOHNSON: Okay. Starting Division Drive.

10 MR. BRADSHAW: Division Drive south.

11 MR. BUNN: Yeah.

12 MR. JOHNSON: Awesome.

13 MS. SANZO: Did you introduce --

14 MR. JOHNSON: Oh, I'm sorry. Well, Jay Johnson with
15 Enbridge Energy. I'm the senior compliance specialist and I'm
16 based out of the Superior, Wisconsin office.

17 MS. SANZO: And --

18 MR. JOHNSON: And I jumped in on you. I'm sorry. It's
19 okay to record them.

20 MS. SANZO: And is it okay if we can record this
21 interview?

22 MR. BRADSHAW: I have no problem with that.

23 MS. SANZO: Okay. Thank you.

24 MR. BUNN: Jim?

25 MR. SCHAUM: No.

1 MR. JOHNSON: Jim, you have no problem either?

2 MR. SCHAUM: No.

3 MR. JOHNSON: Okay. Sorry. I kind of goofed up

4 Dana's --

5 MS. SANZO: That's okay.

6 MR. JOHNSON: -- schedule here.

7 INTERVIEW OF DICK BRADSHAW

8 BY MS. SANZO:

9 Q. And I guess if we could begin with the time you were
10 notified of an incident to respond to and start to take us through
11 that evening.

12 A. I'm assuming the one you're talking about is Sunday
13 night?

14 Q. Yes.

15 A. And I didn't bring my times, per se.

16 Q. That's okay.

17 A. I'm going to assume it's around 9:00 area that I got an
18 odor complaint. Go ahead.

19 BY MR. JOHNSON:

20 Q. You can use -- I mean, if that -- you can use this,
21 because you could have brought this. So if this will help you to
22 have in front of you for times?

23 A. It probably tells on that.

24 Q. I assume you filled it out?

25 A. Let me see. That's me.

1 Q. Okay.

2 A. Yeah.

3 Q. No one's expecting you to have a perfect memory of this
4 stuff, good grief.

5 A. Time was -- the order was dispatched to me was 2056. So
6 it was an odor complaint at a residence on B Drive South, which I
7 responded to, and at that time there was a faint odor in the air,
8 really nothing I could put anything to. It was really, very,
9 very, very faint, so I did my investigation at the household,
10 inside, out. Come up with no natural gas. Did some checking. We
11 have a side tap just a door -- a house down. Checked that for
12 anything, situation, nothing there.

13 Basically, just to double check everything, I decided to
14 come up to Division Drive, check this odor station. As soon as I
15 turned off on -- from 17 Mile Road onto Division Drive is --
16 strong petroleum odor come through my AC unit.

17 Went on down to Division Drive Station, did my
18 investigation down through there, made sure that we're not --
19 our -- we add our odorant to there, make sure there's not
20 malfunctioning, such nature, and was satisfied it's not natural
21 gas, not odorant, our odorant. Basically, was terminating my --
22 when I come back up to the -- terminating my investigation. When
23 I come up at the intersection, I noticed the fire department. I
24 stopped to talk to those gentlemen, who was also investigating the
25 odor complaint.

1 MR. BUNN: At which intersection was that?

2 MR. BRADSHAW: It was right there at 17 and Division --
3 17 Mile Road and Division Drive.

4 MR. BUNN: Okay.

5 MR. BRADSHAW: They were on the east side.

6 BY MR. JOHNSON:

7 Q. You can see this and I'm -- some people say they talk
8 fast. I think I'm a slow listener, but -- so you came to 17 Mile
9 and Division and you ran into what? Firefighters?

10 A. Marshall Fire Department.

11 Q. Two or three?

12 A. I'm going to -- I think I said three. Maybe there was
13 more people. I think I had seen at least three.

14 Q. Okay. That's fine.

15 A. I really couldn't tell you. I wasn't paying a lot of
16 attention to how many numbers out there.

17 Q. Marshall firefighters. Okay. Did they have trucks out
18 or --

19 A. Basically, I had seen the one truck or was it two? I
20 think maybe there was two trucks there.

21 Q. One or two trucks.

22 A. One or two trucks.

23 Q. Because that's perfectly fair. We're not asking for --

24 A. Wasn't paying much attention to how many vehicles. I
25 think -- I know there was at least one. But come to think about

1 it, there might have been two. I just don't --

2 MR. BUNN: Yeah.

3 MR. JOHNSON: That's perfectly fine.

4 BY MS. SANZO:

5 Q. And what, if any, conversation did you have with the
6 fire department officials at there?

7 A. Basically, we were talking about what the smell smelled
8 like. I was basically informing them that I was on odor complaint
9 from B Drive and just decided to check. And I, you know, checked
10 the station. I was telling them that it's not any natural gas or
11 not our odorant and I did mention the fact of where I smelled it
12 at, because they were on the other side of the street across from
13 27th or 17 Mile Road, whichever one you want to call it. And
14 where I got it was on turning to the -- from -- turning to the
15 left where it turns to west, that's where I got the most of the
16 odor. But it was still pretty strong all the way around that
17 intersection.

18 That's pretty much what we talked about, what we thought
19 it was and such, and they were to continue on to investigate more
20 because they knew the clientele up there, which I did not.

21 MR. BUNN: Okay.

22 BY MR. JOHNSON:

23 Q. Would you -- I would imagine you've smelled it all, so
24 to speak. Did it remind you -- you said petroleum. Would you
25 characterize it? Did you describe what -- would you have said,

1 geez, it doesn't smell like odorant, and I would agree with you on
2 that one, or natural gas, but would you -- did you think it
3 smelled like something other? I mean, would you have had a --
4 would you have compared it to something?

5 A. Like a Number 6 oil. I have smell Number 6 oil once or
6 twice before, but I'm not a --

7 Q. Okay. What --

8 A. -- but just a strong oil smell.

9 Q. And if someone else said that -- I don't know what
10 Number 6 oil is.

11 A. Heavy oil. I mean, it's a --

12 Q. No, I really don't know.

13 A. -- heating oil. I would say it's a --

14 Q. Heavy heating oil?

15 A. Yeah.

16 Q. Okay. Because someone said that and I'm like, wow,
17 that's not a crude oil term so I didn't know what it meant. Okay.

18 A. Well, I don't know. I guess it's Number 6 grade. It's
19 just a thicker -- it's a real thick oil that they use for heating
20 and they --

21 MR. BUNN: Yeah. You're correct.

22 MR. JOHNSON: So I learned something.

23 MR. BRADSHAW: Like I said, it was like a -- back in the
24 younger days there that oils were a little more pungent, your
25 motor oils and such nature, heavy motor oil.

1 MR. BUNN: Right.

2 MR. BRADSHAW: Not like gasoline, but your motor oil
3 smell.

4 MR. JOHNSON: Okay.

5 MR. BRADSHAW: About the best I can come up with on that
6 one is --

7 MR. BUNN: Yeah.

8 BY MR. JOHNSON:

9 Q. No. That's dead on. I just -- I didn't know that. I
10 don't know that I'll remember it. Do you know their names?

11 A. No.

12 Q. And that's --

13 A. No.

14 MR. BUNN: And about how much time did you spend with
15 them?

16 MR. BRADSHAW: Ten, 15 minutes, maybe.

17 MR. BUNN: Okay.

18 MR. BRADSHAW: Not very long.

19 MR. BUNN: Right.

20 MR. BRADSHAW: Traded -- you know, just kind of give
21 them the information I was coming up with.

22 MR. JOHNSON: Now, do you have a gas detector?

23 MR. BRADSHAW: Yes, a Century CGI unit. Yes.

24 MR. BUNN: And you didn't get any readings at all with
25 that?

1 MR. BRADSHAW: No readings at all.

2 MR. BUNN: Yeah.

3 MS. SANZO: And if we can --

4 BY MR. JOHNSON:

5 Q. I'm going to ask your -- just a second. I'll be asking
6 about it, and I know Jim asked. It's a Century?

7 A. Yes.

8 Q. Century what again?

9 A. Century combustible gas indicator, CGI.

10 Q. Perfect.

11 BY MR. BUNN:

12 Q. Did you call anyone else then or discuss any of this
13 with anyone or --

14 A. No.

15 Q. -- just continued your inspection?

16 A. Pretty much, that was pretty much the end of the
17 inspection. I was pretty confident that it was not natural gas or
18 my odorant.

19 Q. Those are very distinctive.

20 A. Yes.

21 Q. So.

22 BY MS. SANZO:

23 Q. Well, then we'll pick it up -- we're talking about the
24 discussion with the firefighters. Can you then continue on with
25 the next events?

1 A. Well, that pretty much does that one for the night. I
2 was done because I went home.

3 Q. And did you make any notifications outside of your
4 company? It could be the county, to any other --

5 A. No.

6 Q. -- pipeline operators in the area?

7 A. No. Basically, the fire department was on that scene
8 and I was -- they were still on scene, going to continue on with
9 their investigation.

10 BY MR. JOHNSON:

11 Q. So what's your method, your timing for -- I'll say
12 closing the loop? So you go out on a call and then you have to
13 fill this form out, what's the timing on that? Does that make
14 sense?

15 A. No. I'm not --

16 Q. Okay. So you went out on a call and you fill this form
17 out?

18 A. Yes.

19 Q. And I'm guessing you fill that form out on every call?

20 A. Yes.

21 Q. Just what's your timeframe on doing that? When you get
22 back, how long --

23 A. It will all vary depending on how -- the time it takes
24 you to do the -- you know, or --

25 Q. No, but you do it that night or the next day or when you

1 get in the -- so you're out on a Sunday night.

2 A. Okay.

3 Q. You're going to do it Monday at the office. I mean, is
4 there any timeframe --

5 A. Oh -- well, I also -- does it on computer, but I turn my
6 paperwork in -- turn this paper end of it in to my supervisor a
7 day or two, whatever. As quick as possible.

8 Q. Yeah. And I kind of wondered because our guys do that
9 too and, you know -- and how we close the reports and things like
10 that, so I was just kind of curious as to how you close your
11 reports.

12 A. Close it on this, but I also close it on my computer.

13 Q. So like, if it comes up electronically on your computer,
14 that says, okay, we've got an odorant call and --

15 A. It gives me an address.

16 Q. -- you do your --

17 A. Gives me -- yes.

18 Q. Now I understand. Thank you. That answers all my
19 questions on that.

20 BY MS. SANZO:

21 Q. And I would just like to clarify where the location
22 where you said you smelled the odor the strongest.

23 A. Okay.

24 Q. Did you say in that area of Old 27 and Division Drive?

25 A. Yes.

1 Q. And which direction?

2 A. Turning off of 27 onto -- going to the west. And it was
3 just shortly after I turned the corner is when the odor came in
4 through the, you know --

5 MS. SANZO: Done.

6 MR. JOHNSON: Do you -- what do you call your -- the
7 odors --

8 MR. BRADSHAW: Mercaptan.

9 MR. BUNN: Mercaptan.

10 MR. JOHNSON: No. The devices where you put it in, do
11 they have a -- I shouldn't say nickname, but --

12 MR. SCHAUM: Day tanks?

13 MR. JOHNSON: Where you --

14 MR. BRADSHAW: Odor pumps? I mean I guess I'm not
15 following what you're wanting.

16 MR. JOHNSON: Do you ever refer to them as drippers?

17 MR. SCHAUM: Not anymore.

18 MR. BUNN: No.

19 MR. JOHNSON: Is that an old term?

20 MR. SCHAUM: Yeah.

21 MR. JOHNSON: Okay. Well, someone asked me that and I
22 had heard that so I thought, ah, geez, I'll ask that question.

23 MR. SCHAUM: We use odorant injection or bypass
24 odorization.

25 MR. JOHNSON: Okay. I just thought that was a unique

1 term the other day when I had heard that.

2 MR. BRADSHAW: Dripper.

3 MR. JOHNSON: Dripper. I assume that's kind of what it
4 is. It just drips in --

5 MR. SCHAUM: It's a wick.

6 MR. JOHNSON: -- every so often.

7 MR. BUNN: Yeah. A wick.

8 MR. JOHNSON: Okay. All right. I'm old.

9 MR. SCHAUM: Well, they're still around, but that's way
10 out in the boonies where they use them --

11 MR. JOHNSON: Okay.

12 MR. SCHAUM: -- right on transmission lines.

13 BY MR. JOHNSON:

14 Q. Okay. Were you -- okay. Were you wearing it -- what
15 were you wearing? Maybe that's a better way to put it.

16 A. Pretty much like I have, my jeans, my t-shirt, such
17 nature.

18 Q. Is your truck in the parking lot by any chance?

19 A. No.

20 Q. Okay. What does your truck look like?

21 A. It's white, cab with a utility box in the back end of
22 it. I have --

23 Q. When you say utility box, is it a topper or is like a
24 toolbox behind the cab? Is it a set-in utility box?

25 MR. SCHAUM: It's a whole bed.

1 MR. BRADSHAW: The whole box is a --

2 MR. JOHNSON: The whole box is so you can -- like you've
3 got the doors on the side --

4 MR. BRADSHAW: Yes.

5 MR. JOHNSON: -- and everything else?

6 MR. SCHAUM: Like the reading boxes.

7 MR. JOHNSON: Utility bed. Okay. A what?

8 MR. SCHAUM: Like the reading box.

9 MR. JOHNSON: Reading. Okay.

10 MR. SCHAUM: But it's not reading. It's like that.

11 MR. JOHNSON: We won't use the name.

12 MR. SCHAUM: I figured you knew that.

13 MR. JOHNSON: Yeah, I -- exactly. Okay.

14 BY MR. JOHNSON:

15 Q. So is it a three-quarter ton?

16 A. Yes, it is.

17 Q. Okay. Make?

18 A. Ford.

19 Q. Okay. Ford three-quarter ton. Is that extended cab
20 or --

21 A. No.

22 Q. Ford three-quarter ton, conventional cab. I got you.
23 Okay.

24 MR. BUNN: And it's got your logo like this on the side?

25 MR. BRADSHAW: Logos on the door and -- yup.

1 BY MR. JOHNSON:

2 Q. So logos on the door and then it says Michigan Gas
3 Utilities?

4 A. Yes.

5 Q. Kind of like that on the door?

6 A. Pretty much like that right there.

7 MR. SCHAUM: They're all the same, just a different
8 scale.

9 MR. BRADSHAW: Yeah. Pretty much right there.

10 MR. JOHNSON: Okay.

11 BY MS. SANZO:

12 Q. I would like to check with the times that are on the
13 report. Are these -- all the times local daylight time?

14 A. Yes. Military time, I should say.

15 Q. Yeah.

16 MR. BUNN: Eastern.

17 BY MS. SANZO:

18 Q. And then is it -- I just want to make sure of the time
19 the call was received in the call center to make sure that is in
20 local time.

21 A. Yes. That's received in the call center. That's the
22 one they dispatched to me, the time I arrive, the time I completed
23 it.

24 BY MR. BUNN:

25 Q. So you spent almost two hours out there, it looks like?

1 A. I did the extra by coming up to Division Drive. I just,
2 you know --

3 Q. Yeah. Took that upon yourself because --

4 A. -- I could not --

5 Q. Yeah.

6 A. Yup. Could not -- the odor was real faint at B Drive.
7 I really did not get a good whiff. A customer was still saying
8 that she thought she could still smell it, so just on the -- I had
9 to go up to B Drive and A Drive and just check out the station.

10 Q. Sure.

11 A. Which I knew that we have our odor pump, just to be --

12 Q. You do get complaints about that odorant station on
13 occasions? Is that --

14 A. There's been occasion.

15 Q. Yeah.

16 A. There's been occasion. It hasn't been for quite a while
17 that I know of, but there's been occasion.

18 Q. Okay.

19 MR. BUNN: Anything else, Jay?

20 BY MR. JOHNSON:

21 Q. I'm going to feel like Brian, give me a second and I'll
22 come up with something. Now, stop me if I'm wrong here or if I
23 get out of line. Have you heard -- I mean, how much have you
24 heard about the Enbridge spill here in the last week? I imagine
25 like everything because you're in this area or --

1 A. Not really a lot. No. No.

2 Q. No? Have you heard about the Enbridge truck that
3 responded to this --

4 A. No.

5 Q. -- and didn't do anything?

6 A. No.

7 Q. That --

8 MR. SCHAUM: I hadn't either.

9 MR. JOHNSON: -- completely answers my question. I am
10 done.

11 MR. BUNN: Yeah.

12 MS. SANZO: Sir?

13 MR. BUNN: Done.

14 MS. SANZO: Gentlemen, I would like to give you this
15 opportunity if there's anything else you would like to say or tell
16 us about or suggest.

17 MR. BRADSHAW: I can't think of anything.

18 MR. JOHNSON: See, you left me too much time.

19 BY MR. JOHNSON:

20 Q. Do you do any exercises or do you any like one called
21 Enbridge. Are you doing anything with Enbridge ever?

22 A. I haven't.

23 MR. SCHAUM: We did -- we do them in the spring.

24 MR. JOHNSON: Like in March, I think you do one of
25 those, right?

1 MR. SCHAUM: Um-hum.

2 MR. JOHNSON: Okay.

3 MR. SCHAUM: Well, there's more than one. We have --

4 MR. JOHNSON: Well, depending --

5 MR. SCHAUM: -- other, different counties.

6 MR. JOHNSON: -- on your location.

7 MR. SCHAUM: Right.

8 MR. JOHNSON: Do you do them yourself or you do them in
9 conjunction? Do you have like Paradigm run them?

10 MR. SCHAUM: Paradigm does them.

11 MR. JOHNSON: Okay. That's why you --

12 MR. SCHAUM: And I go to them.

13 MR. JOHNSON: Okay. I see.

14 BY MS. SANZO:

15 Q. And were you aware of the Enbridge pipeline running
16 through that area?

17 A. Actually, no.

18 Q. Okay.

19 MR. SCHAUM: I was.

20 BY MR. BUNN:

21 Q. But you're familiar with the name Enbridge?

22 A. Now.

23 Q. Okay.

24 BY MR. JOHNSON:

25 Q. How about Lakehead?

1 A. I've heard that one. I've been around a while. Yes, I
2 heard that one.

3 Q. That's Enbridge.

4 A. Well, that -- I didn't know that.

5 Q. So it's Lakehead now, which, you know how that goes.

6 A. Lakehead, Enbridge. I knew we had that going across.

7 Q. Yeah. That's who we are. You know, that's the brand
8 recognition and everything else, but -- it's been for a while but
9 I still say Lakehead.

10 A. Do you?

11 Q. I've got some old business cards, if you dig deep
12 enough, that say Lakehead. Yeah. That's who Enbridge is. Yeah.
13 And it's the same people and everything else. It was a name
14 change when we bought some other stuff, but it's the same old
15 Lakehead, if you will.

16 BY MS. SANZO:

17 Q. So I should probably re-ask the question, if you were
18 familiar with the --

19 MR. JOHNSON: Lakehead.

20 BY MS. SANZO:

21 Q. MS. SANZO: -- Lakehead pipeline --

22 A. Heard of them, such nature.

23 Q. -- running --

24 A. Not really familiar with it, per se, as -- I don't
25 necessarily deal with that end of it.

1 BY MR. JOHNSON:

2 Q. So not familiar with -- so you remember the Lakehead,
3 but you wouldn't know where our line is?

4 A. Not really.

5 Q. Okay.

6 A. I don't deal with that. I've seen markers many, many
7 years ago. Actually, I walked -- I got into walking across
8 country, but I haven't done that for years, so --

9 Q. You know sometimes when you get caught up working with a
10 company, like myself, and it's like, god, they've got to know
11 Enbridge. But maybe we're not quite as big as I think, so --

12 MR. BUNN: You're buried.

13 MR. JOHNSON: Or buried. There you go.

14 MR. BRADSHAW: I haven't paid much attention to that
15 and, like I said, it's not my end of it. I'm more into the --
16 from the meter on into the house.

17 MR. BUNN: Right. Service lines.

18 MR. BRADSHAW: Service.

19 MR. JOHNSON: Now I am done.

20 MR. BUNN: Okay.

21 MS. SANZO: Thank you very much for your --

22 MR. BUNN: Thank you.

23 MS. SANZO: -- participation today in this interview and
24 that will conclude the interview.

25 MR. BRADSHAW: Thank you.

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MR. BUNN: Great. Yeah.

(Whereupon, at 11:52 p.m., the interview was concluded.)

CERTIFICATE

This is to certify that the attached proceeding before the

NATIONAL TRANSPORTATION SAFETY BOARD

IN THE MATTER OF: ENBRIDGE OIL SPILL
 MARSHALL, MICHIGAN
 Interview of Dick Bradshaw

DOCKET NUMBER: DCA-10-MP-007

PLACE: Marshall, Michigan

DATE: August 2, 2010

was held according to the record, and that this is the original,
complete, true and accurate transcript which has been compared to
the recording accomplished at the hearing.

Tiffany Meeker
Transcriber