

Official Transcript of Proceedings
NUCLEAR REGULATORY COMMISSION

Title: Public Meeting RE Request by the Omaha
Public Power District (OPPD) for a Partial
Site Release from NRC Regulatory Control
of the Fort Calhoun Station, Blair, Nebraska

Docket Number: (n/a)

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Date: Wednesday, November 28, 2018

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UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

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PUBLIC MEETING REGARDING THE REQUEST BY THE OMAHA
PUBLIC POWER DISTRICT (OPPD) FOR A PARTIAL SITE
RELEASE FROM NRC REGULATORY CONTROL OF THE FORT
CALHOUN STATION, BLAIR, NEBRASKA

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WEDNESDAY

NOVEMBER 28, 2018

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The Public Meeting was convened in the
Steele Meeting Room of the Residence Inn Omaha/Old
Market Area, 106 South 15th Street, Omaha, Nebraska,
at 7:00 p.m., Jack Parrott, NRC Licensing Project
Manager for Fort Calhoun, Facilitator.

PRESENT:

- JACK PARROTT, Facilitator
- STEVE GIEBEL, NRC, Reactor Decommissioning
- TROY W. PRUETT, Director, Region IV, Division of
Nuclear Materials Safety

P R O C E E D I N G S

(7:00 p.m.)

1
2
3 MR. PARROTT: We need to go ahead and get
4 started. Thank everybody -- thank you, everybody, for
5 coming to this public meeting. This is for the
6 partial site release request from the Fort Calhoun
7 Station of OPPD. My name is Jack Parrott. I'm the
8 NRC, Nuclear Regulatory Commission, Project Manager --
9 Licensing Project Manager for Fort Calhoun. This
10 public meeting is required under our regulations for
11 a partial site release. So, that's why we're doing
12 this, here, today.

13 This is an NRC Category 3 public meeting.
14 And what that means is that this is for the purpose of
15 discussing and obtaining public comment on the request
16 from OPPD to release part of the Fort Calhoun Station
17 for uncont- -- for -- part of their controlled
18 property for unrestricted use.

19 A little bit of meeting logistics. In the
20 extremely unlikely event that we have to evacuate the
21 room, the door to outside is -- you can either go out
22 this door or the door you came in and then take a left
23 and there's a door that goes right outside. And the
24 restrooms are just right down the hall and to your
25 left. Also, we're going to be taking a transcript of

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1 the meeting tonight, so there's some directional
2 microphones around here on the tables. So just make
3 sure, if you do speak that, number one, you give your
4 name and that you speak loudly so that it's picked up
5 by the microphone.

6 Did I miss --

7 THE REPORTER: And it would also be
8 helpful if you spelled your name for me.

9 MR. PARROTT: Okay, yeah. That would help
10 too.

11 Okay. Out of this meeting, we'll -- NRC
12 will produce a meeting summary that will contain a
13 copy of the transcript and the signup sheet, so we'll
14 all know who was here.

15 And, let's see, I think I'll go ahead and
16 introduce the other NRC folks that are here. We have
17 Troy Pruett.

18 I'll let you go ahead and introduce
19 yourself.

20 MR. PRUETT: I'm Troy Pruett. I'm the
21 Director for Nuclear Materials Safety for NRC Region
22 IV. We're located in Arlington, Texas. Fort Calhoun
23 just happens to be one of the sites that we inspect
24 under the decommissioning piece of the branch. But we
25 also inspect all nuclear material use from the state

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1 of Mississippi to Guam.

2 MR. PARROTT: And, in back, I've got Steve
3 Giebel.

4 Steve, you want to introduce yourself?

5 MR. GIEBEL: Hi. My name is Steve Giebel.
6 I work at NRC Headquarters in the Reactor
7 Decommissioning Branch with Mr. Jack Parrott. And I'm
8 out here -- in addition to this meeting, I'm also
9 doing confirmatory surveys.

10 MR. PARROTT: And, you know, actually, we
11 have such a small group, I think maybe I'll just --
12 let's just go through the room and have everybody
13 introduce themselves. Then, we'll just -- then we'll
14 have an idea who's all here.

15 So, go ahead, sir. We'll start with you.

16 MR. SHUMAN: I'm Howard Shuman, S-h-u-m-a-
17 n, with the State of Nebraska's Office of Radiological
18 Health. I'm a health physicist for the program.

19 MS. STODOLA: I'm Kathy Stodola, S-t-o-d-
20 o-l-a, from State of Iowa, Homeland Security Emergency
21 Management.

22 MR. PARROTT: Thank you.

23 MR. VOVOLKA: Alan Vovolka from Omaha.

24 MR. PARROTT: Thank you.

25 MS. CRAM: Danielle Cram from OPPD, just

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1 here to observe.

2 MR. LOHMULLER: Kris Lohmuller, K-r-i-s,
3 L-o-h-m-u-l-l-e-r. I'm an assistant to Danielle at
4 Fort Calhoun.

5 MR. BLOME: Brad Blome, B-l-o-m-e. I'm
6 the Director of Licensing and Reg. Assurance for OPPD.

7 MR. UEHLING: Tim Uehling, U-e-h-l-i-n-g.
8 I'm a Senior Director of Decommissioning at Fort
9 Calhoun.

10 MS. BARKER: I'm Andi Barker. It's A-n-d-
11 i. And I'm an RP Supervisor -- Radiation Protection
12 Supervisor at Fort Calhoun.

13 MR. MAINE: Good evening. My name is Ted
14 Maine, M-a-i-n-e. I am the Decommissioning Plant
15 Manager at Fort Calhoun.

16 MR. NOWAK: Good evening. My name is
17 Joseph Nowak, Energy Solutions, Director of
18 Decommissioning.

19 MR. MEISINGER: My name is Devin
20 Meisinger. I'm a Senior Economic Development
21 Coordinator at OPPD.

22 MR. O'BRIEN: Tim O'Brien, O, apostrophe,
23 B-r-i-e-n. I'm the Director of Economic Development,
24 External Relations, with the Omaha Public Power
25 District.

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1 MS. FISHER: Good evening. My name is
2 Mary Fisher, F-i-s-h-e-r, Vice President, Energy
3 Production and Nuclear Decommissioning.

4 MR. AVERETT: I'm Chris Averett, A-v-e-r-
5 e-t-t, with Communications from OPPD.

6 MS. DVORAK: I'm Morgan Dvorak, D-v-o-r-a-
7 k, and I'm just an observer.

8 MR. DVORAK: Kevin Dvorak, father of
9 Morgan, resident of Nebraska, observer as well.

10 MR. PARROTT: Okay. Did we get everybody?

11 (No response.)

12 Okay. Great. Thank you.

13 All right, so I was going to ask if
14 anybody -- usually, or sometimes, we'll -- at these
15 kind of meetings we'll have, maybe, representatives of
16 elected officials or something. We usually invite
17 them to make a statement if they want. And I don't
18 see any of them here tonight, so we'll skip that part.

19 The meeting agenda, there will be -- after
20 this introductory part, there will be a presentation
21 by OPPD, Tim Uehling, about their request for a
22 partial site release. And then, I'll give a
23 presentation on what NRC does to review that request.
24 And then, we'll have -- after that, we'll have a
25 public comment period for any public comments or

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1 questions or any other kind of discussion you want to
2 have on that. And then, we'll adjourn the meeting.
3 I've got it going until 8:30. I don't know if it'll
4 go that long, but we'll see.

5 Okay. So, again, this meeting is an
6 invitation to stakeholders to engage with the NRC
7 staff, primarily. If the -- if you have questions for
8 the NRC staff, that's what we're here to answer. If
9 you have questions for OPPD, they're under no
10 obligation to respond unless they want to. So, it's
11 -- but the structure of this meeting is that it's with
12 the NRC and the interested stakeholders.

13 And, also, this -- the request by OPPD was
14 noticed in the Federal Register on Monday, and what
15 that provides for is a public comment period of 30
16 days. So, the directions for commenting in writing are
17 in that Federal Register, and I've got copies of them
18 in the back alcove back there if you're interested in
19 seeing how to submit written comment or written
20 questions.

21 So, before I go to the next slide, we're
22 going to back up and go get -- have Tim Uehling give
23 the OPPD presentation about the request for the
24 partial site release.

25 Tim?

1 MR. UEHLING: Thank you. As Mr. Parrott
2 said, I'm Tim Uehling. I'm the Senior Director of
3 Decommissioning for Fort Calhoun Station. I've got a
4 short presentation tonight to provide some background
5 on the two parcels for which we are requesting release
6 for unrestricted use.

7 Next slide, please.

8 This first slide has an overhead view of
9 the station. If you're not familiar with where we are
10 located, we are between the towns of Fort Calhoun and
11 Blair. You can see the Missouri River is on one side
12 of us and Highway 75 is on the other. Up here in the
13 red boundary is the OPPD-owned parcel. So, it's about
14 660 acres, give or take. And you can see, inside,
15 about in the middle, is where the plant proper sits.
16 Up on the northwest edge in the blue is the
17 approximately 120 acres for which we are requesting
18 that release for unrestricted use. As of this time,
19 we don't know what we will do with that land once it
20 is released. We'll go through our evaluations, what's
21 best for the district, our customer-owners, and the
22 community. One of the possible options is to release
23 it for economic development.

24 Next slide, please.

25 The other parcel for which we're

1 requesting release is not and was not owned by the
2 district. This land, though, was under a perpetual
3 easement by OPPD, so we had access to that land to do
4 samples and surveys, as needed, during the plant
5 operation. That's about 475 acres on the Iowa side of
6 the border.

7 Next slide, please.

8 So, that gets us to: How did we determine
9 that these are the right parcels to release? How did
10 we determine that now is the right time that they're
11 appropriate to release? This really just walks
12 through the series of things that we did. The first
13 bullet talks about an historical site assessment.
14 That assessment really was a look-back on what was
15 this land used for, is there any potential impediment
16 to releasing the land. It had two major pieces as
17 part of that. One was interviews with our employees,
18 both current and former, and with the individuals who
19 farmed the land. And, by and large, that property has
20 been used for row crop since the plant has been in
21 place. So that's the look-back.

22 The next bullet talks about current state.
23 What is that land right now? So that also had two
24 pieces to it. One piece included taking instruments
25 out into the field and doing direct measurements in

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1 these different parcels in various locations. And the
2 second piece was actually collecting soil samples and
3 having those sent off to an independent laboratory to
4 do the analysis. So, those two things tell us what we
5 expected to see, is that there is no indication of
6 radioactivity that's detectible from Fort Calhoun
7 Station operations and, right along with that, the
8 radioactivity in that area is consistent with what you
9 would expect for natural background levels. So, this
10 is not an impacted area from plant operations.

11 Once we knew those two things, then we
12 could look at that third bullet there: Is there going
13 to be any impact from releasing this land from our
14 ability to protect the health and safety of the
15 public? Based on what we found on those first two
16 areas, the location of the land, and the status of the
17 plant being shut down at this time, there is no
18 impact. We will continue to protect the health and
19 safety of the public even after these two parcels are
20 released.

21 So, that really gets us to that last
22 bullet. We had to convince ourselves it was the right
23 time and the right thing to do to release this land;
24 there would be no impact. Based on the work that
25 we've done, we are confident in that assessment. That

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1 is why we submitted to the NRC our proposal to release
2 these two items for unrestricted -- for release for
3 unrestricted use. And, with that, I'll turn it back
4 to why we're here today and Mr. Parrott.

5 MR. PARROTT: Thank you, Tim.

6 So, go two more. Right there. Okay.

7 So, let me give you a little bit of status
8 on the Fort Calhoun Station. It permanently ceased
9 operation October 24th, 2016. Entered decommissioning
10 when the spent fuel -- spent nuclear fuel was
11 certified to have been permanently removed from the
12 reactor vessel. That was on November 13th, 2016.

13 At the time the plant went into
14 decommissioning, their decommissioning strategy was
15 called SAFSTOR, which is the long-term decommissioning
16 strategy that is allowed under our regulations.
17 Recently, they've announced a plan, I guess, to change
18 that strategy to an active -- to do an active
19 decommissioning of the site, which will later be
20 submitted to the NRC for our review. But we do not
21 approve those plans; we just review them. But the
22 strategy, apparently, will be changing in the future.

23 Next slide.

24 So, as Tim pointed out, there was two
25 areas that are being requested for the partial site

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1 release, the one on the north and east side on the
2 Nebraska side of the Missouri River, and the -- this
3 other parcel that's on the east -- north and east of
4 the plant and is on the Iowa side. Even though part
5 of it is on the west side -- I guess you could call it
6 the west side of the Missouri River, it's still in
7 Iowa because of the way that the original border went,
8 like this. So, later on, when I show some pictures of
9 the different areas, this will -- I'll be referring to
10 this as the Nebraska side and this as the Iowa side.

11 Okay. So, our regulations for the partial
12 site release, in general, the NRC, in 10 CFR, Part 50,
13 covers licensing of nuclear power reactors. Section
14 50.82 is the section for termination of license that
15 governs the decommissioning of the facility. So,
16 that's what -- for the decommissioning, that's what
17 they're working towards right now. They're in the
18 process of fulfilling those requirements.

19 But for partial site release, it's 50.83
20 for releasing part of a power reactor facility or site
21 for unrestricted use. And this applies to reactors
22 that can be in operation or decommissioning, so it's
23 written to cover, you know, both scenarios. So,
24 50.83, it's used for the unrestricted release of areas
25 before license termination. So the long-term goal of

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1 the decommissioning of the site is to terminate the
2 license, but, in the meantime, if the licensee wants
3 to get rid of smaller, outlying areas of their
4 property before they terminate the license, this
5 regulation allows them to do that. They do have to
6 get prior written approval from the NRC before they
7 can release those areas. Just like in this case,
8 typically applied to outlying, unused areas.

9 And if the site to be re- -- the area to
10 be released was impacted versus non-impacted, there's
11 different requirements. What they requested is
12 release of non-impacted areas, and these are areas
13 with no reasonable potential for residual
14 radioactivity in excess of natural background or
15 fallout levels.

16 So, for the non-impacted areas, these are
17 some of the requirements for the partial site release:
18 The licensee has to evaluate that there would be no
19 reduction in the effectiveness of the emergency
20 planning or physical security plans for the site; the
21 -- that the effluent releases will remain within
22 license condition -- current license condition; that
23 environmental monitoring program and off-site dose
24 calculations are revised to account for the changes in
25 the land area; and all other applicable statutory and

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1 regulatory requirements continue to be met. So,
2 they've evaluated that in their submittal.

3 Next slide.

4 The licensee also performs a historical
5 site assessment for the part of the facility to be
6 released. They'll look at all the records of during
7 operations to see if there's any possibility that
8 there could have been a release of radioactive
9 material to that property. They'll factor that into
10 their review.

11 They'll also look at -- evaluate the
12 changes to the configuration of the property against
13 Regulation 50.59 that will look at -- see if there's
14 any safety impact to any changes in their site
15 configuration. They would assess the impact of the
16 change and, for instance, on things like dose -- off-
17 site dose calculation and effluent releases and,
18 perhaps, like areas used for operations or envir- --
19 emergency planning.

20 Next slide.

21 So, the other NRC requirements for
22 approval of partial site release is 10 CFR, Part 20,
23 Subpart D. These give you the radiation dose limits
24 for individual members of the public. So, they want
25 to make sure that the areas they release are -- have

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1 doses below those. And, in this case, they might be
2 well below those dose limits for unrestricted release.

3 And they also look at 50.75, because they
4 have to -- once they do the partial site release, they
5 want to make sure that they've got good records of
6 what they've released and how they released it so
7 that, when they go back and try to terminate the
8 license for the entire site, they'll have -- they'll
9 know what they did on these other parcels that have
10 already been released. Won't have to go back and redo
11 those. And, also, they have to evaluate the 10 CFR,
12 Part 100, requirements. These are reactor-siting
13 criteria. These really are primarily for operating
14 reactors, so it's -- shouldn't be hard criteria to
15 meet.

16 Okay. So, what NRC does once we get these
17 requests is we put a notice -- we notice the receipt
18 of the request in the Federal Register and we have a
19 period for public comment, which we're in right now.
20 And we also conduct a public meeting, which we're
21 doing tonight, in the vicinity of the facility for the
22 purpose of, well, discussing the proposal and
23 obtaining any public comments that way.

24 Okay, next slide.

25 Let's see, the radiological surveys. So,

1 OPPD conducted their own surveys of these areas to
2 support the fact that they were classified as
3 unimpacted. They also conducted environmental site
4 assessments to verify that the properties were not
5 impacted by any previous operations or releases. And
6 then, NRC will come in and do a confirmatory survey of
7 those areas to be released to confirm the licensee's
8 findings, and that's what we were doing this week.

9 And we'll go ahead with the first ques- --
10 and before you ask a question, ask your -- state your
11 name so we know it.

12 MR. VOVOLKA: Alan Vovolka, V-o-v-o-l-k-a.

13 THE REPORTER: Excuse me, did you say D?

14 MR. VOVOLKA: V, as in Victor.

15 THE REPORTER: Okay. Spell it again.

16 MR. VOVOLKA: V-o-v-o-l-k-a. Rhymes with
17 polka.

18 Did we skip a slide?

19 MR. PARROTT: Yeah, we may have. Yeah,
20 okay, this is the --

21 Go one more, please. No, back the other
22 way. Yeah, this is the one. Okay.

23 So, what we would do after we've finished
24 the confirmatory surveys, we'll evaluate the
25 licensee's evaluation of how their -- this change will

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1 impact these different areas of emergency planning,
2 security, environmental, and other regulatory
3 requirements; evaluate the licensee's classification
4 of any release areas as non-impacted, that it's
5 properly justified. And upon determining that the
6 licensee's submittal is adequate, we'll inform the
7 licensee in writing that the release is approved.

8 Okay, next slide.

9 And so, we did our confirmatory surveys.

10 Go to the next slide.

11 So, we were here this week to -- with our
12 contractor, Oak Ridge Associated Universities, to do
13 the confirmatory surveys. ORAU, as we call them, is
14 an independent contractor with experience and
15 equipment and trained staff to conduct radiological
16 surveys. They've done many of these in the past. The
17 ORAU developed and submitted a proposed sampling plan
18 to the NRC, which we reviewed, and that will be made
19 publicly available with the rest of the package once
20 it's released. And, again, we were out here this week
21 confirm- -- doing the confirmatory surveys, which
22 consist of surface scans and soil sampling.

23 Okay, so now, the fun part: pictures. So,
24 we were out this week, and these are pictures we took
25 just the other day.

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1 Yesterday, was it, Steve?

2 MR. GIEBEL: Yeah.

3 MR. PARROTT: So, this is the 120 acres on
4 the Nebraska side. This is on the northeast side of
5 the site looking towards the facility there. And you
6 see the power lines, of course, you'd expect in the
7 vicinity. And just like -- all the areas are similar.
8 They've got a portion that's sort of farm fields with,
9 maybe, some tree stands interspersed. But this is
10 kind of what it looks like in that area.

11 Next slide.

12 And you turn around the other way, similar
13 features. This is --

14 It's ConAgra, correct?

15 MULTIPLE VOICES: Cargill.

16 MR. PARROTT: Cargill. Cargill plant
17 that's just to the north and east of the site. It was
18 a cold day, so lots of steam was coming out.

19 And then, on the other side -- on the Iowa
20 side, rather, this is 475-acre area. Again, it's
21 similar. You've got open farm fields with tree
22 stands. There's the plant, and in between the plant
23 and here is the Missouri River, which you can't see,
24 but this just gives you an idea of what that area was
25 like.

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1 Next slide.

2 Some of these areas, I guess, recent
3 flooding or high water, and there's still ponding in
4 certain parts of the field there that were close to
5 the river.

6 Next slide.

7 Going a little bit north and looking back
8 south, again, this is -- it was just open fields and
9 there's the plant. Turn around and look towards the
10 bridge -- the railroad bridge that crosses the
11 Missouri River, and you get an idea of, again, what
12 that area was like.

13 I tried to get some reference point in
14 every picture, so -- but looking to the east, there
15 really wasn't anything. There's a house, I think,
16 right there or maybe a center pivot. But, anyway, I
17 think you get the idea of what --

18 And then, the final area here was the --
19 still on the Iowa side, although it's west of the
20 Missouri River, a little parcel of land that, again,
21 was tree stands and open fields. I think some of this
22 area is, maybe, used for goose hunting.

23 Next slide.

24 And some area -- again, some areas of
25 standing water. Some dense brush. And, again, close

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1 to the river, you get these flooded areas.

2 Okay, so, as I had mentioned, we were out
3 earlier this week doing confirmatory surveys. Here's
4 some pictures from that. Here's Steve, who ably was
5 out there in the cold, swinging a meter and, on his
6 back there, is a GPS unit. So, every --

7 How often do they take a reading?

8 MR. GIEBEL: Every second.

9 MR. PARROTT: Every second it takes a
10 reading and then gets a GPS fix, and then that all --
11 all that data goes into the data-logger and they can
12 print out maps.

13 Also, they were taking soil samples. So,
14 once they broke through the frozen part of the ground,
15 they could get some dirt out and break it up.

16 And, next slide.

17 Then, put it in the sample bag.

18 And this is the licensee's soil samples in
19 their lab. And I think that we -- ORAU was going to
20 be doing some split samples with some of these just to
21 verify the licensee's reading.

22 And this is an ISOC, that I don't know
23 anything about this, but it's a really interesting
24 piece of equipment. And if you have any questions --
25 well, you probably already know how it works, so --

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1 but we were using that out in the field.

2 So, what will happen, forthcoming, after
3 today? Once ORAU completes their evaluation, they'll
4 send a report to the NRC. It will have the scan
5 survey maps, location of their soil samples, and the
6 soil sample results. NRC will write a safety
7 evaluation that evaluates the ORAU survey results and
8 what OPPD has sent in for their assessment, and we
9 will issue the -- all this and it will be publicly
10 available with the NRC decision on the request for
11 Phase 1, which is the Nebraska side parcel, by the end
12 of March 2019. And for Phase 2, the Iowa side, is by
13 May 2019.

14 Next slide.

15 And that's it for me. If you have any
16 questions or comments, I'd appreciate them now.
17 Anybody have any? I'll wait. Okay, sir.

18 MR. VOVOLKA: Alan Vovolka. I notice the
19 Nebraska portion that you're referring to upstream
20 from the plant is right along the river. It's on the
21 outside of the curve of the river. The river's eroded
22 to the outside. So, will the fact that OPPD no longer
23 has control of that portion have any effect on the
24 stability of the bank there, their ability to look and
25 check and make sure that, you know, this river isn't

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1 moving any faster than it already is?

2 MR. PARROTT: That's sort of outside the
3 scope of what we regulate. But if OPPD would like to
4 answer that?

5 MS. FISHER: What I would say is, we're
6 asking for release of the property from NRC
7 jurisdiction, not that we're giving up the property.
8 So, we still own the property. And then, as we look
9 forward to what we might want to do with that
10 property, then we would be willing -- you know, then
11 we would be looking at, you know, how is that going to
12 affect it in any way. But, at this point, I don't see
13 any impacts at all.

14 MR. VOVOLKA: So, all right. It could be
15 perfectly reasonable for you to decide to keep five
16 acres in a strip along the river?

17 MS. FISHER: It could be. It just would
18 no longer be under NRC jurisdiction as part of the
19 overall site.

20 MR. VOVOLKA: Thank you.

21 MS. FISHER: Sure.

22 MR. PARROTT: And I should have mentioned,
23 once NRC gives an unrestricted release of those
24 properties, then it's outside of our concern what they
25 do with those properties.

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1 Any other questions? Comments?

2 MR. PRUETT: Can I ask one?

3 MR. PARROTT: Yeah.

4 MR. PRUETT: Troy Pruett with the NRC.
5 What about vegetation samples? Do we take those or is
6 it just soil and direct measurement?

7 MR. PARROTT: I would have to defer to
8 Steve on this, but I'm pretty sure we only take soil
9 samples and the scans. That's all we do.

10 Steve, is there --

11 MR. GIEBEL: Yes, I can address that. I
12 know what the site does, is -- for vegetation, as part
13 of their normal routine, radiological environmental
14 monitoring program. Obviously, at this time of year,
15 we can't really do any vegetation. But that's part of
16 their routine, and they do an annual report every year
17 that's publicly available through ADAMS. And it's
18 actually available for any nuclear power plant in the
19 country.

20 MR. PARROTT: Any other questions?
21 Comments? Again, if you're interested in submitting
22 written comments, the directions for how to do that
23 are in the Federal Register notice, which I've got
24 copies of in back there. So, please take one of those
25 if you feel the need to do that.

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1 Do we have any question back there in the
2 corner?

3 MR. DVORAK: We're debating whether we
4 want to ask one or not.

5 MS. DVORAK: I'm Morgan Dvorak, D-v-o-r-a-
6 k. Over the past couple years, other than soil
7 testing and just observing the land, were there any
8 other steps or procedures that were -- that happened?

9 MR. PARROTT: Well, so let's try to narrow
10 your question down a little bit. So, for the partial
11 site release, they recently went out, probably within
12 the last year, I would guess, and took samples of
13 those areas and scans. Historically, they've -- I
14 would have to defer to OPPD about any kind of sampling
15 they've done in those areas.

16 But, if you would like to address that if
17 you would?

18 MS. FISHER: I want to draw on Andi's
19 expertise here.

20 Andi, can you just talk a little bit about
21 our environmental monitoring program over the years
22 and what we do, just as a normal power reactor?

23 MS. BARKER: Sure. So, as an operating
24 station -- and we've continued to do the same thing
25 since we shut down -- we do take samples of vegetation

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1 in the area, grass, things like that, within a certain
2 radius and look at them for the same kinds of things
3 that we looked at with the soil. Maybe a little bit
4 more focused, because we would have more idea what to
5 look for, in particular, in those samples. So, we
6 look through vegetation. A lot of those are quarterly
7 samples, so four times a year. More during peak
8 season.

9 So we also look at milk of animals that
10 would have milk in the area. If the animals aren't
11 available for milk, then we would go to vegetation
12 again, so what they would have eaten if there had been
13 a milk cow or a goat in that area and check for any
14 radioactivity in the milk or the vegetation that they
15 would have eaten. And we do that quarterly as well,
16 except it goes to weekly during that -- like, the
17 summer months, essentially.

18 And then, there's water samples that we
19 also do monthly. And then a roll-up one every quarter
20 as well. And we keep track of those throughout the
21 year, and all of that activity gets rolled up into an
22 annual report, which is the one that Steve was talking
23 about that's available online that says how much or
24 what we saw in the environment.

25 MR. PARROTT: And that annual report is

1 sent in to the NRC, and it forms the basis for some of
2 our inspections that we do during the year.

3 Sir?

4 MR. SHUMAN: Howard Shuman, S-h-u-m-a-n.
5 The vegetation also included crops? Like, field corn,
6 anything like that that might be ingested by cattle?

7 MR. UEHLING: No. But it includes garden
8 vegetables, but I can't say with certainty whether it
9 included field corn or not.

10 MR. SHUMAN: And I know, historically, the
11 State of Nebraska did have some direct reading
12 dosimetry out around the plant.

13 MR. UEHLING: And we also have dosimetry
14 that's out in the environment that we monitor as well.

15 MR. SHUMAN: And air sampling.

16 MR. UEHLING: Yes, thank you.

17 MR. PARROTT: And, also, if there's
18 anybody from State agencies who are interested in any
19 of the documents that we've put out for this, let me
20 know and I can get you on the mailing list for --
21 distribution list for those when they come out.

22 Okay. Any other questions or comments?
23 Going once.

24 (No response.)

25 All right. Well, I guess we'll call it a

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1 night. And thank you all for coming. Again, Federal
2 Register notice copies are in the back and you can get
3 the information for submitting your comments. Thank
4 you.

5 (The meeting concluded at 7:34 p.m.)
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