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Surry Power Station, Units 1 and 2

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Pages 1-53

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UNITED STATES OF AMERICA

U.S. NUCLEAR REGULATORY COMMISSION

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PUBLIC MEETING TO COLLECT COMMENTS ON THE DRAFT
ENVIRONMENTAL IMPACT STATEMENT FOR SURRY POWER
STATION, UNITS 1 AND 2, LICENSE RENEWAL

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WEDNESDAY,
MAY 29, 2002

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SURRY, VIRGINIA

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The Public Meeting convened in the Surry
Combined District Court Room, at the Surry County
Government Center, 45 School Street, Surry, Virginia
at 7:00 p.m.

Present on behalf of the Nuclear Regulatory
Commission:

- CHIP CAMERON
- JOHN TAPPERT
- OMID TABATABAI
- ANDY KUGLER
- EVA HICKEY

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I-N-D-E-X

Welcome and purpose of meeting, Chip Cameron . . . 3

Overview of license renewal process;

 John Tappert 9

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Overview of environmental review process,

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Adjourn 53

P-R-O-C-E-E-D-I-N-G-S

7:02 P.M.

1
2
3 MR. CAMERON: Good evening, everyone. My
4 name is Chip Cameron and I'm the Special Counsel for
5 Public Liaison at the Nuclear Regulatory Commission
6 and I'd like to welcome all of you to tonight's
7 meeting. This is an NRC public meeting on the draft
8 environmental impact statement on the applications
9 that have been filed for license renewal by Dominion/
10 Virginia Power for Units 1 and 2 down at the Surry
11 Power Station. It's my pleasure to serve as your
12 facilitator tonight and in that role I'll try to make
13 sure that everybody has a productive meeting tonight.

14 Usually what I like to do at the beginning
15 of these sessions is just to briefly go over three
16 items of the meeting process with you. One is what
17 objectives the NRC is hoping to achieve tonight,
18 secondly, what's the format and the ground rules for
19 the meeting and third, a little agenda overview for
20 you so that you know what to expect tonight.

21 In terms of objectives, the NRC would like
22 to make sure it leaves you with a clear understanding
23 of what the license renewal process is about at the
24 NRC and specifically what the environmental review
25 process is and also what the preliminary findings are

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1 in the draft environmental impact statement that the
2 NRC has prepared on the Surry license renewal
3 applications.

4 The second important objective, most
5 important objective, is to hear any comments that you
6 might have for us tonight on the draft environmental
7 impact statement or environmental issues related to
8 the Surry license renewal application.

9 We're also taking written comments on the
10 draft environmental impact statement and you'll hear
11 more about how and where to file those comments, but
12 we're here tonight to talk to you in person. You may
13 hear things tonight from the NRC or from some of your
14 neighbors in the audience that will give you more
15 information on which to base your written comments if
16 you feel like submitting written comments, but I just
17 want to assure you that your comments made tonight
18 will have the same weight as any written comments that
19 we receive.

20 The format is basically we're going to do
21 two segments to tonight's meeting. The first segment
22 is to provide you with information and answer your
23 questions and we have some brief NRC presentations to
24 give you context on license renewal and the draft
25 environmental impact statement. After each of those

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1 presentations, we'll go out to you and see if you have
2 any questions that we can answer. And the second
3 segment of the meeting is to give you an opportunity
4 to make some more formal comments and we'll ask you to
5 come up to the podium to give us those comments.

6 The ground rules are pretty simple. If
7 you have something that you want to say, a question
8 that you want to ask, just give me a signal and I'll
9 either try to bring this mike out to you or we do have
10 mikes there and we are taking a transcript. Emily is
11 our stenographer tonight and if you could just state
12 your name and affiliation, if appropriate, so we have
13 that on the transcript. I would ask that only one
14 person speak at a time. I don't think we're going to
15 have a problem with that tonight, but I always find it
16 useful to say that so that we can get a clean
17 transcript so that Emily knows who is speaking at the
18 time and more importantly so that we can give our full
19 attention to whomever has the floor.

20 Final ground rule, just try to be concise
21 in your comments so that we can make sure that
22 everybody has a chance to talk. Again, I don't think
23 we're going to have to worry too much about that
24 tonight. When you do come up, if you do have a formal
25 comment if you could try to keep it in the 5 to 7

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1 minute range. I think we can be pretty flexible on
2 that because I don't think we have a whole lot of
3 people who are going to be talking tonight.

4 We appreciate all of you being here with
5 us. The NRC has an important decision to make on
6 license renewal and your comments will help us.
7 Tonight, I will just encourage you after the meeting
8 to get to know the NRC staff and we also have several
9 of our research experts from the Pacific Northwest
10 National Lab with us tonight and they're helping us to
11 prepare the environmental impact statement. Please
12 get to know them, talk to them. The NRC staff is very
13 receptive to getting phone calls or e-mail, if you
14 have any questions or any concerns, so please contact
15 them in that regard.

16 In terms of the agenda, we're going to
17 start off with Mr. John Tappert who is right here in
18 the front, I want to say "pew", but I guess it's a
19 row. John is the section leader of the Environmental
20 Section at the NRC and John and his staff oversee the
21 preparation of all environmental impact statements
22 connected to license renewal, not just the Surry
23 license renewal, but all the other plants that are
24 coming in for license renewal around the country. And
25 he's just basically going to give you a welcome from

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1 the NRC staff. In terms of background, he has a
2 degree in aerospace and ocean engineering and a
3 master's, I believe, in environmental engineering. He
4 has been a Resident Inspector in NRC Region 1, so he's
5 been out in the plants.

6 After John, we're going to go to Omid
7 Tabatabai, who is right down here and Omid is the
8 project manager for the safety review on the Surry
9 license renewal application. And he's going to talk
10 about the license renewal process, generally. Keep in
11 mind there are a couple of different parts to the
12 license renewal process. One is the safety review
13 where issues such as aging of components are looked
14 at. Another component is the environmental review
15 where environmental impacts are looked at and those
16 two parts come together with any inspection findings
17 that the NRC makes to form the staff's initial
18 decision on whether to grant the license renewal
19 application.

20 Omid is going to give you an overview of
21 license renewal. He has been with the NRC for about
22 two and a half years and before that he was with the
23 Department of Energy in their defense programs. He
24 has a Bachelor's degree in applied mathematics and a
25 Master's degree in nuclear engineering.

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1 After Omid is done, we'll go to see if you
2 have any questions on his topic and then we're going
3 to go to Mr. Andy Kugler who is in the front row here
4 and Andy is the project manager on the environmental
5 review for the Surry license renewal application. And
6 he's going to describe that process. He's been with
7 us for about 12 years at the NRC and he actually
8 worked for a nuclear utility before he came to the
9 NRC. He's a mechanical engineer by training. We'll
10 go out to you for questions, then we're going to get
11 to the substance of the draft environmental impact
12 statement and go to Eva Hickey who is with Pacific
13 Northwest Lab. Eva is the project manager for the
14 preparation of this environmental impact statement and
15 she coordinates the staff work of all of the
16 consultants that are working on this who are experts
17 in various disciplines and I think that either Eva or
18 Andy will tell you about that scope of expertise. Eva
19 has a master's degree in health physics and 20 years'
20 experience in the nuclear reactor business, including
21 emergency planning. And we'll go out to you again for
22 questions and then after Eva is done we have one short
23 subject, but an important subject. Andy Kugler is
24 going to talk about the accident evaluation that is
25 done in connection with every environmental impact

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1 statement for license renewal application.

2 And with that, John, I would ask you to
3 come up and kick it off for us.

4 MR. TAPPERT: Thank you, Chip. As he has
5 introduced me, my name is John Tappert. I'm the Chief
6 of the Environmental Section in the Environmental
7 Impacts and License Renewal Program. I also want to
8 welcome you to this meeting and thank you for
9 attending.

10 As Chip indicated, we want to accomplish
11 several things in this meeting. First, we would like
12 to take a few minutes to explain the NRC's license
13 renewal process for nuclear power plants. We will
14 discuss both the safety review and the environmental
15 review processes. We will then provide the
16 preliminary results of the environmental review that
17 the NRC is undertaking as a result of the utility's
18 application to renew the operating license for the two
19 reactors at Surry Power Station.

20 Finally, we'll explain how you can submit
21 written comments to us.

22 After that we'll give you an opportunity
23 to ask questions and provide oral comments concerning
24 the review process and the preliminary results.

25 So let me start with an overview of the

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1 license renewal process. The Atomic Energy Act
2 provides for a 40-year term for power reactor
3 licenses. Virginia/Dominion Power Company has
4 requested that the licenses for Units 1 and 2 be
5 extended 20 years to May 25, 2032 and January 29,
6 2033, respectively, as provided in our regulations,
7 Part 54 to Title 10.

8 We held an environmental scoping meeting
9 here in Surry on September 19th of last year. During
10 that meeting we described the statutory requirements
11 for this action, the purpose of the review, and the
12 process that we go through. Today, we'll summarize
13 that process, concentrate on the preliminary results
14 of the environmental impact review and point out
15 issues raised during the scoping process and describe
16 where we are in that review process. More
17 importantly, we'll provide you the opportunity to give
18 us your views on these preliminary results and to ask
19 questions on what we will describe today.

20 Omid Tabatabai will give us an overall
21 look at the license renewal process and an idea of
22 what is involved in the safety portion of the review.

23 MR. TABATABAI: Thank you, John. Good
24 afternoon. As John mentioned, my name is Omid
25 Tabatabai. I'm with NRC License Renewal Programs and

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1 I'm the project manager for Safety Review of North
2 Anna and Surry applications. The NRC established
3 regulatory requirements for Part 54 of Title 10 of the
4 Code of Federal Regulations or simply 10 CFR Part 54
5 to provide for license renewal. That rule provides
6 that the basis on which each plant was originally
7 licensed remains valid for the years and can be
8 carried over into a 20-year period of extended
9 operation.

10 The rule requires that an applicant
11 address plant safety by demonstrating that the
12 applicable aging effects will be adequately managed
13 for a defined scope of passive structures and
14 components and evaluating certain time-dependent
15 design analyses. The rule also requires that the
16 application include an environmental report with
17 information the NRC can draw from to develop a plant
18 specific supplement to the generic environmental
19 impact statement for license renewal provided in
20 10 CFR 51.

21 In developing the requirements for
22 renewal, the NRC has determined that aging for active
23 components is adequately managed through existing
24 maintenance and surveillance programs and other
25 aspects of the existing license requirements can

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1 continue through the license extension period.

2 As the NRC project manager for Surry
3 Safety Review, I'm responsible for coordinating the
4 evaluation of the plant aging management programs, the
5 NRC inspection to verify the basis for the safety
6 evaluation and the independent review of the safety
7 evaluation conclusions by the NRC's Advisory Committee
8 on Reactor Safeguards.

9 Following my introduction, Andy Kugler,
10 the NRC project manager for the Surry environmental
11 review will describe the environmental review process
12 under the National Environmental Policy Act or NEPA
13 and will introduce those who will describe the
14 preliminary results of that review.

15 Virginia Electric and Power Company
16 submitted its license renewal application for Surry
17 Power Station in May 2001. This figure illustrates
18 the opportunity for public involvement in the three
19 parallel activities: the safety review, the
20 environmental review and the inspection programs.
21 Thus far, the NRC has visited the site and held public
22 scoping meetings in September 2001, requested
23 additional information related to the plant aging
24 effects in support of our preparation of the safety
25 evaluation report. That will be issued in June 2002,

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1 identifying any open items that must be resolved
2 before a Commission decision.

3 NRC's Region 2 staff conducted an
4 inspection of the process for scoping plant systems,
5 structures and components in February 2002 and an
6 inspection exit meeting on February 8, 2002.

7 On April 3, 2002, the NRC issued a draft
8 supplemental environmental impact statement that we
9 will describe today. For the future, the Advisory
10 Committee on Reactor Safeguards Subcommittee (or ACRS)
11 meeting on license renewal is planned for July of this
12 year. The ACRS performs an independent review of the
13 renewal application and the safety evaluation and they
14 report their findings and recommendations directly to
15 the Commission. The ACRS also holds public meetings
16 which are transcribed. Oral and written statements
17 can be provided during the ACRS meetings in accordance
18 with instructions described in the notice of the
19 meetings in the Federal Register. The NRC's licensing
20 process includes a formal process for public
21 involvement for hearings conducted by a panel of
22 Administrative Law Judges who are called the Atomic
23 Safety and Licensing Board or ASLB. That process
24 consists of a petition to hold hearings on particular
25 issues to be litigated by the Board. However, there

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1 is no petition for Surry.

2 At the end of the process, the final
3 safety evaluation report, the final supplement to the
4 environmental impact statement, the results of the
5 inspections and the ACRS recommendation are submitted
6 to the Commission with the staff recommendation. Each
7 Commissioner will vote on the proposed action and the
8 decision is formally sent to the NRC staff for
9 whatever action they conclude is appropriate for the
10 renewal application. The individual Commissioner
11 votes and individual instructions to the NRC staff are
12 also part of the record.

13 Throughout this process, interested
14 members of the public who are concerned about nuclear
15 safety issues can raise those issues informally during
16 the various public meetings that the NRC will hold to
17 discuss this Surry application. Meetings on
18 particular technical issues are usually held at the
19 NRC Headquarters in Rockville, Maryland. However,
20 some technical meetings and meetings to summarize the
21 results of the NRC's inspection findings will be held
22 near the plant site in a place that is accessible to
23 the public.

24 The Surry application, safety evaluation
25 report, meeting summaries and other related

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1 correspondence all will be available for public review
2 at the NRC public document room in Rockville or at the
3 NRC's website. Copies of the application, reports and
4 significant correspondence are also available to local
5 residents at the Swem Library, at the College of
6 William and Mary, Williamsburg, Virginia.

7 That's a brief overview of the renewal
8 process. The NRC staff members are here tonight and
9 will be available after the meeting to answer any
10 particular questions about the renewal process.

11 If there's any questions on the safety
12 side, I'd be happy to answer.

13 MR. CAMERON: Any questions for Omid about
14 his presentation? Okay, and if there are things that
15 come up later on during the meeting, obviously we'll
16 be glad to answer them then too. Thank you, Omid and
17 this is Andy Kugler who is going to specifically talk
18 about the license environmental process.

19 MR. KUGLER: Thank you, Chip. Again, my
20 name is Andy Kugler and I'm the Environmental Project
21 Manager for the Surry-North Anna License Renewal
22 Reviews. In that role, I'm coordinating the efforts
23 of the team that's reviewing the environmental impacts
24 associated with this action.

25 The National Environmental Policy Act

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1 requires that Federal agencies take a systematic
2 approach to evaluating environmental impacts. This
3 means that we're taking a look at the proposed action
4 and we also look at mitigating activities that might
5 reduce the impacts of the action. In addition, we
6 consider alternatives to the proposed action to see if
7 they might have less environmental impacts than the
8 proposal.

9 The Environmental Policy Act is basically
10 a disclosure tool and the intent is to involve the
11 public in the review process because we can get a lot
12 of good information from people who live near the
13 facilities.

14 The NRC has determined that we will
15 prepare an environmental impact statement for each
16 license renewal application. We've completed a draft
17 version of the environmental impact statement. We
18 issued it in April. We're in the process -- we have
19 a comment period going on, on the draft that's open
20 until July 12th and this meeting is part of that
21 comment process.

22 Basically what we're looking to do is to
23 determine whether or not it's acceptable from an
24 environmental perspective to continue the operation of
25 this plant for an additional 20 years, should that

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1 option of continuing operation be preserved. I wanted
2 to point out that we don't actually determine in our
3 action whether or not the plant really operates for
4 another 20 years. We're simply indicating whether or
5 not that would be acceptable. The owners of the
6 plant, local regulators, state and other Federal
7 agencies will eventually determine whether or not the
8 plant actually operates during that time. Generally,
9 those considerations are outside our scope.

10 This slide gives a little more detail of
11 the environmental portion of the review process. As
12 we've indicated, we got the application in May of last
13 year. We were out here in September during the
14 scoping period to gather comments on what issues we
15 should consider in our review. We issued the draft in
16 April and we have the comment period on-going. We
17 also accept comments, as I believe Chip indicated, in
18 writing and by e-mail. I'll talk a bit more about
19 that later.

20 After the comment period ends, we'll
21 evaluate the comments that we receive, modify the
22 draft environmental impact statement and then issue it
23 in final form, and that should be in December of this
24 year.

25 While developing the draft, we spoke to a

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1 number of different people and organizations. We
2 talked to Federal, state and local officials, social
3 service agencies and other organizations and
4 individuals in the area. We also considered all the
5 comments that we received during the scoping phase in
6 developing the draft.

7 The team that I'm leading has expertise in
8 a number of different areas and we evaluated different
9 types of impacts. This slide gives you an idea of
10 some of the different things that we've looked at,
11 impacts to water resources, air, land use. We look at
12 cultural resources, historic properties. We also look
13 at socioeconomic effects; how does the continued
14 operation of the plant affect the local economy.

15 That completes my portion of this
16 presentation. This gives you an idea of the
17 environmental review process.

18 Eva Hickey will now discuss the results of
19 that review from her team. Are there any questions on
20 the process itself?

21 MS. HICKEY: Good evening and welcome to
22 our public meeting. My name is Eva Hickey. And I am
23 the project lead for the multi-laboratory team
24 preparing the supplemental environmental impact
25 statement for Surry license renewal.

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1 Several of my team members are here with
2 me tonight and we hope that if you have any questions
3 regarding the document that you will feel free to ask
4 and we'll try to give you an explanation of the
5 findings.

6 I'd like to take just a minute to explain
7 the approach that we used for the evaluation of
8 environmental impacts for Surry. The generic
9 environmental impact statement for license renewal,
10 NUREG-1437, identifies 92 environmental issues that
11 need to be reviewed for license renewal. Sixty-nine
12 of these issues have been considered generic or
13 Category 1 and you can see that here on the left hand
14 side in the first block. And by generic, we mean that
15 the environmental impacts are the same for all plants,
16 for all reactors, or they may be the same for all
17 reactors with the same type of systems or features,
18 such as a reactor with cooling towers.

19 Now the additional 23 issues have been
20 considered, are called Category 2 issues and these are
21 considered site-specific. In this case, they did not
22 find that when evaluating the issues that they had all
23 of the same environmental impacts. So when we go out
24 and do our analysis, we look at these issues at every
25 site.

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1 Only certain issues addressed in
2 NUREG-1437 are applicable to Surry. For those generic
3 issues that are applicable to Surry, we assessed if
4 there were any new information that might change the
5 conclusions in NUREG-1437. And you can see the
6 potential new issues there on the right hand side of
7 our slide.

8 If there's no new information, then we
9 accepted the Category 1 issues and we adopted the
10 findings in NUREG-1437. For site-specific issues
11 related to Surry, we did a site-specific analysis and
12 I will talk a little bit more about that in a few
13 minutes.

14 During the scoping period, we asked the
15 public if they had any information that we should
16 analyze, looking for potential new issues, and the
17 team during their site visit in September also looked
18 for new issues. Plus, we asked the Applicant if they
19 had addressed any -- addressed or found any new
20 issues.

21 I'd like to take just a second to talk
22 about how these impacts are quantified and we use a
23 system that's consistent with the Council on
24 Environmental Quality. For a small impact, this is an
25 effect that is not detected or it's too small to be

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1 detected in the environment and it does not
2 destabilize or noticeably alter an attribute of the
3 resource. Let me give you an example. If you have
4 loss of adult and juvenile fish at the intake
5 structure, the location where they draw water for
6 cooling, and you have a loss of fish, but it's so
7 small that if you look at the population of fish in
8 the river you cannot detect that loss, then this
9 impact would be considered small. The next level is
10 moderate and this effect is sufficient to alter
11 noticeably, but not destabilize an important attribute
12 of the resource. So if we take our fish example
13 again, the losses at the intake may cause the
14 population to decline, but then it would stabilize and
15 you would see that lower level population. At this
16 point we would consider this impact moderate. Now
17 finally, we have a large impact and this is if the
18 effect is clearly noticeable and it's sufficient to
19 destabilize an important attribute of the resource.

20 So looking at our fish example again, the
21 intake, the fish loss at the intake would be large
22 enough that the population would decline and continue
23 to decline and we would call that impact large.

24 So with that, let's take a quick look at
25 the results of our environmental analysis. There's

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1 copies of the report out in the lobby if you're
2 interested in taking a look at it. In Chapter 2 of
3 the draft supplemental environmental impact statement,
4 we discussed the Surry Nuclear Power Station and the
5 environment around the plant. Then in Chapter 4, we
6 talked about the potential impacts that we found might
7 occur for an additional 20 years of operation for the
8 Surry Nuclear Power Station. I'm not going to go into
9 great detail about these issues, but we did look at
10 cooling systems, transmission lines, radiological
11 impacts, socioeconomic, groundwater use/quality,
12 threatened and endangered species.

13 I'm going to talk about just a few of the
14 highlights that I thought the public might be
15 interested in.

16 The first is cooling system impacts. We
17 looked at this issue very closely and there's a number
18 of Category 1 issues, but there's also two specific
19 site-specific issues that we looked at, entrainment
20 and impingement of fish and shellfish and heat shock.
21 This is an aerial view of Surry so that you can see
22 the cooling system. Down at the lower part of the
23 slide is the intake where the water is drawn from the
24 James River. You see how it flows down the canal to
25 the plant which is in a higher portion of the slide

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1 and then it's discharged.

2 We looked at entrainment/impingement of
3 fish and shellfish and heat shock, as I mentioned.
4 And we determined that the potential impacts were
5 determined to be small and that additional mitigation
6 is not warranted.

7 Next, I'd like to talk about the
8 radiological impacts. Radiological impacts are
9 considered Category 1 in NUREG-1437, but it's often a
10 concern to the public so I wanted to take just a
11 minute to discuss it. In our review, we looked at
12 effluent release points and the monitoring program
13 that the Applicant uses at Surry Power Station. We
14 looked at how gaseous and liquid effluents were
15 treated and released as well as looking at solid
16 waste, how it was packaged, treated and shipped. We
17 looked at how the Applicant determines and
18 demonstrates that they're in compliance with the
19 regulations for release of radiological effluents.
20 This slide shows you the monitoring points that the
21 licensee uses in and around its plant for its TLD
22 stations and air sampling stations. There are
23 additional monitoring stations further out from the
24 plant.

25 The release from the plant and the

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1 resulting off-site potential doses are not expected to
2 increase on a year to year basis for an additional
3 20-year license renewal term. We found no new and
4 significant information identified during our review
5 related to radiological impacts.

6 Finally, I thought you would be interested
7 in hearing about threatened and endangered species.
8 This is one of the last issues that's discussed in
9 Chapter 4. There are no Federally listed aquatic
10 species that currently occur in the lower James River
11 which is where Surry Nuclear Station is located.
12 However, there are a number of terrestrial species
13 that may occur in the range of Surry Power Station and
14 under the transmission lines. There are two active
15 bald eagle nests located on the Hog Island Wildlife
16 Management Area which sits right next to the Surry
17 Power Station. There's an inactive nest on the Surry
18 Site, but it's assumed that this nest has been
19 replaced by one of the nests on the Hog Island
20 Wildlife Management Area because that nest became
21 inactive at the same time the other nest became
22 active. And the nests have successfully produced
23 fledgling eagles for the past four years.

24 I've described to you the fact that we've
25 looked for new and significant information. We looked

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1 at this during the scoping period, looking at public
2 comment. We discussed the potential for new and
3 significant information with the Applicant during our
4 site visit and the staff looked at it very closely
5 during their evaluation and we did not identify any
6 new and significant information.

7 There are a couple of other environmental
8 impacts that I will touch on briefly. These are
9 uranium fuel cycle and solid waste management which is
10 found in Chapter 6 and decommissioning which is found
11 in Chapter 7 of the draft SEIS. These issues are both
12 Category 1 and the staff did not find any new and
13 significant information related to these issues.

14 Now one of the other areas that we looked
15 at were the alternatives, what would happen if Surry
16 did not extend their license. We looked at no action
17 which is where the plant would close at the time its
18 license was terminated or perhaps it might close
19 earlier than that and it would be decommissioned. We
20 looked at new generation of electricity from such
21 things as coal-fired, gas-fired or perhaps a new
22 nuclear plant. We looked at the option of purchasing
23 power from another utility and we also looked at
24 alternative technologies such as wind, solar and
25 hydropower and then we looked at a combination of all

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1 these alternatives. In looking at the alternatives,
2 we evaluated them using the same environmental issues
3 that we use for looking at the 20-year license
4 renewal. That is, we looked at land use, ecology,
5 socioeconomics, radiological impacts.

6 Our preliminary conclusion from the
7 analysis of alternatives including that of no action,
8 we found that there may be environmental effects in at
9 least some of the impact categories that could reach
10 either a moderate or large significance.

11 And with that I will ask if there's any
12 questions on the information that I've covered? And
13 if not, I'll turn the podium back over to Andy.

14 MR. CAMERON: Any questions, any follow up
15 on some of those specific impacts that Eva talked
16 about?

17 Okay, Andy is going to talk about
18 postulated accidents.

19 MR. KUGLER: Thank you, Chip. During our
20 review of the environmental impacts we looked at the
21 potential impacts of postulated accidents. In this
22 review we're looking at two different types of
23 accidents. The first is design-basis accidents.
24 These are a broad spectrum of accidents that both we
25 and the licensee evaluate to ensure that the plant can

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1 withstand these events without undue hazard to the
2 health and safety of the public. A number of these
3 postulated accidents are never expected to occur at
4 the plant, but they're used to establish the design
5 basis for preventive and mitigative measures in
6 response to the accidents.

7 The acceptance criteria for design-basis
8 accidents are contained in Part 50 and Part 100 of
9 Title 10 of the Code of Federal Regulations. And the
10 licensee is required to maintain the plant within that
11 design envelope throughout its life, including any
12 renewal term, so it's an on-going requirement.

13 We evaluated the impacts of design-basis
14 accidents in the generic environmental impact
15 statement and determined that the impacts were small
16 at all sites. Therefore, it's a Category 1 issue as
17 Eva described. And for Surry, we did not find any new
18 and significant information that would have changed
19 the results of that review, so we adopted the
20 conclusions from the generic environmental impact
21 statement.

22 Severe accidents are accidents that go
23 beyond design basis and result in damage to the
24 reactor core, although it may or may not result in any
25 releases off-site from the plant.

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1 In the generic environmental impact
2 statement we evaluated the impacts of these accidents
3 and determined that the impacts were small at all
4 sites. However, we also determined that it was
5 appropriate to look at means to mitigate severe
6 accidents unless that had already been evaluated in a
7 previous environmental impact statement.

8 For Surry, there had not been a previous
9 analysis, so we evaluated severe accident mitigation
10 alternatives for the Surry site in this environmental
11 impact statement.

12 Using various sources of information, the
13 licensee in its environmental report identified 160
14 potential candidate severe accident mitigation
15 alternatives. And then they commenced reviewing
16 those. Of those 160, they eliminated 107 of them
17 because they either already had been implemented at
18 Surry or they determined that the change would not be
19 applicable to the Surry plant.

20 Of the remaining 53, they did a bounding
21 analysis review to try and determine whether the
22 change will be cost beneficial and for 45 of those,
23 they were able to determine pretty quickly that the
24 cost of the change would exceed the benefits by more
25 than two times. For the remaining eight, where it

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1 wasn't clear, they did a more detailed analysis,
2 developing a detailed cost estimate for the change and
3 also a more detailed estimate of the benefits. And in
4 all cases they found that the cost far exceeded the
5 benefits and so the licensee determined that none of
6 the candidates were cost beneficial.

7 The staff reviewed the licensee's analysis
8 and methods to determine whether or not they've been
9 applied properly and we concluded that the methods and
10 implementation were appropriate. We also performed
11 independent analysis of some of the results.

12 As a result, we determined that none of
13 the changes were cost beneficial. We don't consider
14 that to be terribly surprising because licensees have
15 been working on implementing improvements to the
16 plants for severe accidents for a number of years and
17 therefore licensees have already really done a lot of
18 this work before license renewal.

19 So the overall conclusion for postulated
20 accidents is that additional plant improvements to
21 mitigate the effects of severe accidents are not
22 necessary for Units 1 and 2 for the license renewal
23 period.

24 Turning to our overall conclusions, we
25 found that the impacts of license renewal were small

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1 in all impact categories for the license renewal
2 option. This conclusion is preliminary in the area of
3 threatened and endangered species. We are currently
4 in consultation with the Fish and Wildlife Service and
5 so the result is preliminary, pending the results of
6 that consultation.

7 We also concluded that for the alternative
8 actions that in at least some impact categories, the
9 impacts of the alternatives rose to the level of
10 either moderate or large impacts. Based on these
11 results, our preliminary recommendation is that the
12 adverse environmental impacts of license renewal for
13 Surry are not so great as to preclude the option of
14 continued operation.

15 Okay, so what happens next? We issued the
16 draft in April. We have the comment period in
17 progress today and it concludes on July 12th of this
18 year. At the end of the comment period we'll evaluate
19 those comments, change the draft as appropriate, and
20 we expect to issue the final environmental impact
21 statement in December of this year. After that, that
22 result will be combined with the results of the safety
23 review, with the review by the Advisory Committee on
24 Reactor Safeguards and with the inspection results and
25 a recommendation will be forwarded to the Commission

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1 and we expect the Commission decision on license
2 renewal to come in July of 2003.

3 I'm the agency point of contact for the
4 environmental review and I've given you my phone
5 number here, if you have any questions concerning the
6 environmental review, please give me a call and I'd be
7 happy to help you with it.

8 This slide also lets you know where you
9 can locate the documents associated with the license
10 renewal review, and the environmental review in
11 particular. We've been putting documents into the
12 Swem Library over at the College of William and Mary.
13 This was the old local public document room. They're
14 also available on our website, www.nrc.gov and in
15 particular, the draft environmental impact statement
16 is available at the web address given here.

17 Outside of this meeting we have provided
18 a number of methods for you provide comments to us.
19 You can submit comments in writing to the address
20 given here. You can come in person to the NRC in
21 Washington. Not too many folks take that option. You
22 can e-mail us. We have a special mailbox established
23 for this review. And if you do go into the draft
24 environmental impact statement on line there's an on-
25 line comment form within that web page and you can

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1 make comments that way. So we've tried to give you a
2 lot of options.

3 And that concludes my portion of the
4 review. Are there any questions on either postulated
5 accidents or on how to provide comments to us?

6 MR. CAMERON: Okay, thank you, Andy. And
7 thank all of the presenters. This is the part of the
8 meeting that we always look forward to which is to
9 hear from you on these issues and we have several
10 people who have signed up and if there's anybody who
11 hasn't signed up who wants to speak that's perfectly
12 fine also, but first I'd like to go to Mr. Peter
13 Stephenson who is the town manager of the town of
14 Smithfield and if you'd be comfortable up here?

15 MR. STEPHENSON: I'm used to that. That's
16 great. Thank you. Good evening. My name is Peter
17 Stephenson. I'm town manager for the town of
18 Smithfield in adjoining Isle of Wight County. I hold
19 a Master's degree in urban and environmental planning
20 from the University of Virginia. I first became
21 familiar with the Surry Power Station in the 1980s
22 while working as a planner for James City County
23 immediately across the river. Then, as now during the
24 past seven years, I have served as the manager in
25 Smithfield, would say that the Surry Power Station has

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1 always been known as a good neighbor.

2 However, despite my general familiarity
3 with the facility, I had not actually toured the
4 station as a local government official until earlier
5 in 2001, prior to September 11th. I was thoroughly
6 impressed, in fact, almost astounded by the extreme
7 measures taken for plant safety and security. I was
8 very impressed and I'm sure additional steps and
9 enhancements have been made recently in the wake of
10 the national tragedies last year.

11 I know that safety continues to be a top
12 priority at the Surry Power Station. It must be.
13 Dominion must also be able to rely on the resources of
14 local, state and Federal agencies to protect against
15 threats from outside sources. We're located about 20
16 minutes, a little less away, but we certainly pledge
17 to assist in every way possible, as many of our
18 residents are employed here in Surry County at the
19 nuclear power station.

20 Nuclear power is an emission-free energy.
21 It is an important part of the growing demand for
22 electricity in the Commonwealth of Virginia. The
23 Surry Power Station should be proud of its excellent
24 operating record. I am familiar with the recent
25 environmental review performed for the facility and I

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1 do agree that the renewal and extension of its license
2 is an excellent energy generation alternative for our
3 local environment and is in the best economic interest
4 for our region and the Commonwealth.

5 Thank you.

6 MR. CAMERON: Okay, thank you, Mr.
7 Stephenson. Next we're going to go to Mr. Patrick
8 Small, Director of Economic Development for Isle of
9 Wight County.

10 MR. SMALL: Thank you very much. I only
11 wish we were holding this hearing in the Isle of Wight
12 County Courthouse and we were the net receivers of
13 that \$10 million in annual revenue this plant
14 generates. However, we are the neighboring community.
15 I was very pleased to hear the comments about the bald
16 eagles at Hog Island. That refuge was established by
17 Dominion/Virginia Power. It lies directly across the
18 Isle of Wight County line and in fact, borders Isle of
19 Wight County, so I'm pleased to hear those eagles are
20 on a resurgence.

21 As a developer, as a public developer, I
22 conduct environmental impact statements and reviews
23 myself on properties we seek to develop and as an
24 anecdotal neighbor of this facility I can only testify
25 to the fact that there has been no significant

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1 environmental impact on any of our communities from
2 this facility. No negative impacts whatsoever. So
3 I'm speaking in unqualified support of renewal of this
4 license. I thank those of you from the Regulatory
5 Commission that conducted this study that are down
6 here. We are relying upon you and the Environmental
7 Protection Agency, and the Department of Environmental
8 Quality at the state level to protect the public
9 health and safety in this area. We expect if there
10 were any significant impacts from this facility that
11 you would have already acted upon those. We expect if
12 there are negative impacts in the future that you will
13 act on those. The fact that we are here today holding
14 a public hearing in such a friendly environment is
15 only a testament to the fact that there are no
16 significant environmental impacts. The plant has a
17 significant economic impact on our region. Fifteen
18 percent of the Commonwealth's power is produced by
19 this facility. Hampton Roads is a net importer of
20 power. We're now looking at alternative energy
21 sources, whether they be wind, whether they be gas or
22 whether they be coal-fired energy suppliers. We as a
23 region are trying to attract those producers in order
24 to keep our power costs down and keep our lights on.
25 This facility plays a pivotal role in providing for

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1 all our local energy needs and again I appreciate your
2 consideration in allowing us to speak on behalf of
3 Dominion.

4 MR. CAMERON: Okay, thank you very much,
5 Mr. Small. We're going to hear from another
6 government official, JoeAnn Newby, who's principal of
7 the Surry County public schools, one of the
8 principals, I guess, and then we're going to go to Mr.
9 Richard Turner.

10 JoeAnn?

11 MS. NEWBY: Thank you. Good evening. I
12 am JoeAnn Newby and I'm the principal of Surry
13 Elementary School right here in Surry, Virginia and
14 tonight I come to thank the NRC and all the people at
15 Virginia Power for their commitment to a safe
16 environment here in Surry County and to note that
17 there is a continued review of our environment and the
18 status that it is here in Surry. This is important to
19 us because the power plant is important to Surry, to
20 Surry Elementary School. Through the years we have
21 established a very positive working relationship with
22 Dominion Power. It has significant meaning to me,
23 both as a 29 and a half year educator and as a
24 lifelong citizen of the county. As an educator, my
25 teachers and I are appreciative of the following

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1 educational opportunities that are afforded to the
2 children at Surry Elementary School. You've provided
3 opportunities to explore the areas of math, science
4 and technology in our fourth grade students. The
5 students really enjoy going to the power station to
6 study electricity and to be successful on those SOLs.

7 Also, revenues generated through Dominion
8 Power enables the school system to implement programs
9 such as after school tutoring, Saturday school and
10 summer school and because of these programs and more
11 programs that we implement, Surry Elementary has
12 achieved next to the top state rating for school
13 accreditation and is accredited through Southern
14 Association of Schools and Colleges and receives state
15 recognition for the National Blue Ribbon Schools
16 Award. Some of our teachers have applied for the mini
17 grant that has been offered by Dominion Power and
18 we've been able to implement special programs.

19 We received the Virginia Business Education
20 Partnership Grant and currently a representative from
21 Dominion Power serves on our advisory board. And as
22 a citizen of Surry County, Dominion Power is
23 significantly meaningful to taxpayers in that it
24 provides tax revenues that allows citizens in Surry to
25 enjoy a quality of lifestyle at a compatible real

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1 estate property tax rate and at a personal property
2 rate that is much lower than surrounding localities.
3 The power plant has proven to be a responsible
4 industry that not only provides energy for consumer
5 use, but provides citizens of the county with
6 employment opportunity.

7 In addition to providing job opportunities
8 for Surry citizens, Dominion Power employees provide
9 many hours of volunteer services for community
10 projects such as our Special Olympics Program and our
11 school carnivals and most recently at the 350th
12 Anniversary Speakers Series.

13 You have been an asset to us and it's
14 always good to know that safety is first and foremost
15 because we like to have you around to continue the
16 relationship that we enjoy.

17 MR. CAMERON: Thank you very much,
18 Principal Newby.

19 Next we're going to go to Mr. Richard
20 Turner who is the President of Isle of Wight Materials
21 but has also been active in many economic development
22 activities in the region.

23 MR. TURNER: I'm going to be up front with
24 you. I'm Richard Turner. I'm from Isle of Wight
25 County. Patrick was the tall, dark and handsome

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1 version. I'm the short, fat, bald version. Patrick
2 is the leader in economic development today. It
3 wasn't on my résumé, but I served as Chairman of the
4 Board of Supervisors for Isle of Wight County for
5 seven years, served on the Board for 14 years. And
6 enjoyed a wonderful relationship with the good
7 neighbors of Surry and their safety programs that we
8 had with Surry nuclear plant and with the counties as
9 good neighbors working together. I might add that
10 that's continued to be a good feeling, a warm fuzzy
11 feeling that we have that type of relationship to work
12 together for the betterment of all.

13 I'm a little bit concerned that I think
14 I'm the only speaker that got instructions before I
15 got here. It was 2 minutes instead of 7, I have to
16 wear socks and I must talk and I must not sing. I
17 don't think anybody else, I checked with them, and
18 they didn't have those problems involved, but any how
19 we could use a little singing, really.

20 (Laughter.)

21 I guess I want to ask a question instead
22 of you asking the question, where would Surry County
23 be? I can say that because I'm not from Surry, but
24 where would Surry County Schools be, where would the
25 local government be without the support and help in

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1 the past as well as in the future, where would Hampton
2 Roads and the economy of the State of Virginia be
3 without these nuclear power plants supplying good,
4 economical power for our businesses here?

5 Now the question may be asked why do we
6 need another 20 years? Twenty years is a long time.
7 Well, there were some times earlier in my life I
8 thought the same thing. When I was 30 my Dad was 60
9 and I wanted him to get on the front porch and get in
10 the chair and get out of the way because I figured he
11 was an old man. I'm 60 years old today and I'm not
12 ready to get in the rocking chair. But the point I
13 want to bring out is that 30 years has gone by so fast
14 you can't believe it. So 20 years or 40 years gives
15 not only the Tidewater and the economy of Virginia,
16 but also Virginia Power the basis for planning for the
17 future and to work the best plan so better to serve
18 you and I.

19 Now, the most important thing, I think
20 that comes from all of this besides the economic part
21 is the people. Surry Nuclear Power Plant has some
22 wonderful community leaders, not only Surry but
23 Virginia Power as a whole, some wonderful community
24 leaders that serve in local government, serve in all
25 kinds of United Way and cancer drives and other things

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1 that they are leaders in that lead us and make this
2 area a better place. That's what we all want.

3 I want to see when I get up in the morning
4 three things. I need to make a new friend, help
5 somebody's day to be a little brighter and learn
6 something new. If you can't do one of those three
7 things, stay home, get out of the way. But I draw
8 that analogy to Surry Nuclear Power Plant because they
9 are that in the community. They learn as you well
10 have heard tonight of all the regulations and things
11 that they've done prior to these people getting here.
12 They help people from their staff every time there's
13 a need in the community or a need in the Tidewater
14 area. And they've made a new friend. Years ago, Max
15 and I served in the United Way together. He's here
16 tonight. He's a great leader too. So I thank you for
17 being here. I certainly, as you well know, speak in
18 favor of the consideration of this and hope that it
19 serves the community well. Thank you and God bless.

20 MR. CAMERON: Thank you very much, Mr.
21 Turner.

22 We're going to ask two of the officials
23 from Dominion Virginia Power to talk to us a little
24 bit now about their vision behind the license renewal
25 application and first of all we're going to go to Mr.

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1 Toby Sowers who is the Plant Manager for the Surry
2 Nuclear Station and then Mr. Sowers is going to
3 introduce us to Dr. Jud White who is the Manager of
4 Environmental Policy and Compliance.

5 Toby?

6 MR. SOWERS: Thank you very much, Chip.
7 Good evening. I am Toby Sowers. I'm the Director of
8 Ops and Maintenance which is the Plant Manager at
9 Surry Power Station. I'd like to thank the Commission
10 for holding this meeting and I feel blessed to have
11 the opportunity and honor to represent the station and
12 the employees at the station.

13 I also want to take a minute to thank our
14 guest speakers from the local community, I mean, for
15 such gracious comments. I sat there this afternoon
16 and I marked up my discussion because a lot of what I
17 said, I didn't want to be repetitive and I had that
18 typed so I could send it to you as a formal statement.
19 I sat there and I was marking it up again because they
20 hit on a bunch of different topics.

21 I'll try not to be repetitive here, but
22 there are some good things I want to say. I take
23 great pride in our station. I'm excited about license
24 renewal. I've been in this business since I was 18.
25 I started in the Nuclear Navy and I believe this is a

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1 very viable and legitimate alternative that we have
2 far under-utilized in nuclear power. And it's
3 wonderful for the community. It's wonderful to the
4 consumer because we're a low cost producer, but it's
5 wonderful for me and 850 other employees at the
6 station. It's a livelihood over there and it's no
7 small task to protect the health and safety and
8 welfare of the public and we take it very seriously.

9 Renewed licenses will provide assurance
10 that the local economy will continue to reap the
11 benefit of having the large employer in the area and
12 the tax benefits associated with that.

13 I'll take a moment just to tell you a
14 little bit about myself and my association with Surry
15 and the reason I do so is because I am merely a member
16 of that leadership team that runs that station and my
17 background is not atypical of the rest of the
18 leadership team. I began my career in 1967, as I said
19 with a 6-year enlistment in the United States Navy and
20 I operated submarine reactors there. I trained for
21 three years and was an operator for three years. I
22 later worked for Stone & Webster Engineering
23 Corporation out of Boston. They were the
24 architect/engineer, the designer/constructor of the
25 Surry plants in the late 1960s and early 1970s. I

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1 started working for them in 1973 as an associate
2 engineer while I finished my undergraduate engineering
3 work and obtained my professional engineer's license,
4 which I later tested for and obtained in Virginia.
5 After I got my degree I decided I wanted some field
6 experience and I transferred to Surry in 1977, late
7 1977, early 1978 and worked as a consultant engineer
8 for Stone & Webster consulting for Virginia Power in
9 the engineering area and I hired on with the company,
10 Dominion, in 1983. And I ran their various
11 engineering departments on-site from 1983 well into
12 the 1990s. In the 1990s I obtained my certification
13 for a senior reactor operator license and in 1999 I
14 became the Director of the station's Nuclear Safety
15 and Licensing. And then in the year 2000 I was
16 promoted to the Director of Operations and
17 Maintenance, the Plant Manager.

18 Surry has got a long history of safe and
19 efficient operations. We're known as low cost
20 producers. We're always ranked within the top five
21 for nuclear fuel costs in the country and have been so
22 for the past 12 years. We've achieved the highest
23 levels of safety rating from the Nuclear Regulatory
24 Commission and from the Institute for Nuclear Power
25 Operations, INPO.

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1 Additionally, every one of our training
2 programs has and continues to be fully accredited.
3 Our commitment to environmental stewardship dates back
4 to the construction days of the 1960s and 1970s when
5 we implemented many revolutionary design features at
6 the station to maintain the environment and the intake
7 and discharge canal you saw in the picture is one of
8 a kind in this country. The discharge is upriver to
9 protect the oyster beds, the game preserves and the
10 feeding of the birds.

11 We believe our proximity to Hog Island
12 Wildlife Preserve fits hand and glove with our efforts
13 to maintain operations that have minimal impact on the
14 local environment. We feel blessed to have bald
15 eagles and ospreys soaring over our plant and nesting
16 in our facility. We treasure the beauty of the
17 pelicans and egrets and the osprey, the herons that
18 perch on the banks of our intake and discharge canal.
19 I walk it almost every day and it's just a warm
20 feeling to see that part of wildlife next to a major
21 industrial facility.

22 As you approach our plant entrance, you'll
23 notice the signs. We call them goals. They're stakes
24 in the ground. They're large signs right on the side
25 of the road and they identify all of our goals. One

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1 of these goals is to have no environmental violations.
2 It's a repeat goal from 2001 and 2002, which were
3 successful. We don't put oil or chemicals on the
4 ground or in the waterways. If we have a piece of
5 equipment that leaks, or if we have a chemical spill,
6 we have procedures in place to immediately clean it
7 up. We identify it in our corrective action program
8 and we determine why, how and what exactly happened
9 and what we'll do to prevent any recurrence.

10 One of the things we took a close look at
11 when we considered whether to apply for the Surry
12 license was the cost of replacing the plant. We
13 generate 1600 megawatts of power. That's enough to
14 light 400,000 homes. I think it was referred to, 15
15 percent of the total power used in Virginia. That's
16 for the past 30 years.

17 The station was relatively inexpensive to
18 build, costing only \$400 million. When you consider
19 the cost of replacement power for base level electric
20 generating units that is a real bargain. In the
21 future, more electricity, not less, will be needed and
22 we will have to build additional plants. We believe
23 that relicensing this station, though, is the best
24 option for meeting the future electricity needs of
25 this area and Virginia.

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1 Finally again, I'd like to thank both
2 state and local officials that we maintain such a
3 close relationship to. We try to be the best
4 corporate citizen we can. It's also one of our goals.
5 It's part of our Dominion equation. You've heard
6 several mentions of what we did. We also lead
7 southeastern Virginia in blood donations. We have
8 blood drives every two months. There's a critical
9 need for blood, especially at this time. Our Adopt-A-
10 Highway work, the holiday baskets for the needy, we're
11 a leading contributor from the state, of course, for
12 United Way, and the Scouting programs and many other
13 community activities that we sponsor.

14 We consider our community partnership an
15 important part of our equation and environmental
16 stewardship, that's a core component of that
17 partnership.

18 I appreciate the honor to represent the
19 station here tonight and I'd like to introduce Dr. Jud
20 White, he's our manager of Environmental Policy and
21 Compliance and he'll talk about the environmental
22 specifics of our submittal.

23 Thank you.

24 DR. WHITE: Thank you, Toby. I appreciate
25 that. Good evening, everyone.

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1 My name is Jud White and I'm the
2 environmental manager at Dominion with
3 responsibilities for various compliance activities at
4 all of our generating facilities including the Surry
5 Power Station. I have about 27 years experience with
6 Dominion and I hold degrees in biology, a master's
7 degree in biology and a Ph.D. degree in environmental
8 policy. I have to say in all sincereness that I am
9 very proud of Dominion's record over the years with
10 environmental performance and excellence and since
11 I've been employed with them I don't mind saying so.

12 I was directly involved and assisted the
13 Dominion nuclear team that prepared the license
14 renewal application for Surry Power Station and in
15 particular, I helped in the development of the
16 environmental report we submitted to them and helped
17 coordinate with a variety of Federal and state
18 agencies that we worked with.

19 We commend the NRC in developing a high
20 quality and professional draft supplemental
21 environmental impact statement associated with this
22 license renewal process for Surry. This statement is
23 a thorough and accurate scientific assessment of the
24 potential environmental impacts associated with the
25 proposed action. We agree and support the conclusions

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1 of NRC staff that renewing the Surry Power Station
2 operating license is a reasonable option that will not
3 result in any noticeable impact to the environment.
4 Basically, this means that for Dominion the license
5 renewal option is preserved or acceptable for Surry
6 Power Station to provide safe and clean electricity to
7 the Commonwealth of Virginia in order to meet future
8 energy demands that the company needs to meet.

9 Dominion prepared over a several year
10 period, and submitted, an extensive environmental
11 report to the NRC for this license renewal process and
12 this was only part of the information that was used by
13 NRC to develop this SEIS in its recommendation. In
14 other words, NRC didn't just rely on our work. They
15 independently validated our conclusions through use of
16 additional resources such as the generic environmental
17 impact statement mentioned earlier, extensive
18 consultation with Federal, state and local
19 environmental authorities, independent review by the
20 NRC's expert staff as well as National Laboratory
21 consultants that are here with us tonight.

22 In addition, and more importantly, they
23 also considered public comments that were provided
24 during the scoping process that was held last
25 September. Of particular note, relative to

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1 information sources, we engaged in discussions and
2 meetings with key state and Federal environmental
3 agency staff very early in the license renewal process
4 to help ensure that all issues were identified and
5 appropriately addressed in the environmental report
6 that we submitted to NRC. Dominion also communicated
7 with environmental and other pertinent stakeholders
8 about license renewal. All of this activity, doing a
9 lot of up front work helped considerably in the
10 development of a thorough and accurate report.

11 Potential environmental impacts in the
12 report are discussed with various aquatic resources as
13 well as threatened and endangered species that have
14 been discussed earlier. Studies at Surry began in
15 1969, even before the station was operational. The
16 station's cooling water system which was mentioned
17 earlier has a unique design in that its location,
18 tidal transition zone, the NRC has concluded that
19 potential impacts to aquatic resources from operations
20 are small and that additional mitigation is not
21 warranted.

22 The NRC also has preliminarily determined
23 that the continued operation of the Surry Power
24 Station and its associated transmission lines will not
25 adversely affect any threatened or endangered species

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1 including the bald eagle which has thrived in the area
2 as noted earlier, for many years.

3 With respect to historic resources which
4 is important, Dominion has coordinated closely with
5 Virginia historic resources during the license renewal
6 process and we authorized a professional consultant to
7 perform a resource assessment of the station site.
8 The Department of Historic Resources concluded that
9 there were no recorded historic districts, structures
10 or archeological sites located within the facility.
11 It was also determined that continued operation of the
12 power station would have a beneficial protective
13 effect on any potential undiscovered historical
14 resources located on undisturbed portions of the site
15 and this was because of limiting future access to the
16 property and protecting the natural landscape.

17 To assist the NRC staff in evaluating the
18 current applicability of the generic environmental
19 impact statement, the information in it as pertains to
20 generic issues, Dominion developed an internal
21 procedure and protocol to identify any new and
22 significant information relative to those issues
23 determined to be generic and determined whether
24 there's any potential change to that determination.
25 No information was identified that could change this

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1 conclusion and we feel that this activity that was
2 done not only by NRC, but by Dominion is very
3 important in all license renewal projects for
4 verification of the findings in the GEIS.

5 Dominion also agrees with the NRC that the
6 potential environmental effects of license renewal for
7 the remaining environmental issues evaluated
8 separately in the supplemental environmental impact
9 statement are small. A significant consideration for
10 this determination was the fact that no new major
11 construction or land disturbing activity is to take
12 place in order to proceed with license renewal, a very
13 important point. Nor are there any new or increased
14 environmental emissions as a result of this action.
15 And the current measures to mitigate environmental
16 impacts associated with operations were found to be
17 adequate.

18 Overall, Dominion takes pride in its
19 environmental performance and its positive
20 relationships with regulatory agencies, environmental
21 organizations, the general public and the community at
22 large. All of this positive relationship building
23 takes time to foster and develop as well as a major
24 commitment by management of Dominion for openness and
25 candor. In this license renewal process, we want to

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1 ensure that we continue on this path and that nothing
2 adversely impacts our future performance or
3 relationship.

4 Dominion believes its obligation to
5 provide safe, reliable energy from nuclear power
6 extends well beyond the license renewal milestone.
7 Federal, state and local oversight will continue to
8 test and challenge appropriately, just as it does
9 today, our standard of environmental excellence and
10 the conduct of our daily business.

11 We welcome all comments on the content of
12 this supplemental environmental impact statement
13 during the public comment period and we're looking
14 forward to working constructively with the NRC staff.

15 Thank you.

16 MR. CAMERON: Okay, thank you, Jud and
17 thank you, Toby. Do we have anybody else who wants to
18 say anything tonight before we close?

19 As I mentioned earlier and as several of
20 the NRC speakers had said, talk to them, get to know
21 them after the meeting and I would just thank all of
22 the speakers tonight who came out from the community
23 to share their views with us and thank all of you for
24 being here and with that, we're adjourned.

25 (Whereupon, at 8:18 p.m., the meeting was
26 concluded.)

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