



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

March 21, 2011

Mr. Jon Franke, Vice President  
Crystal River Nuclear Plant (NA1B)  
ATTN: Supervisor, Licensing & Regulatory  
Programs  
15760 West Power Line Street  
Crystal River, FL 34428-6708

SUBJECT: ISSUANCE OF ENVIRONMENTAL SCOPING SUMMARY REPORT  
ASSOCIATED WITH THE STAFF'S REVIEW OF THE APPLICATION BY  
FLORIDA POWER CORPORATION FOR RENEWAL OF THE OPERATING  
LICENSE FOR CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT  
(TAC NO. ME0278)

Dear Mr. Franke:

The U.S. Nuclear Regulatory Commission (NRC or the staff) conducted a scoping process and solicited public comments from April 6 to May 15, 2009, to determine the scope of the staff's environmental review of the application for renewal of the operating license for Crystal River Unit 3 Nuclear Generating Plant (CR-3). The scoping process is the first step in the development of a plant-specific supplement to NUREG-1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants" (GEIS), for CR-3.

As part of the scoping process, the staff held two public environmental scoping meetings in Crystal River, FL, on April 16, 2009, to solicit public input regarding the scope of the review. The staff also received written comments by e-mail. At the conclusion of the scoping process, the staff prepared the enclosed environmental scoping summary report identifying comments received during the scoping period. In accordance with Section 51.29(b) of Title 10 of the *Code of Federal Regulations*, the staff will send a copy of the scoping summary report to all participants in the scoping process.

The transcripts of the public scoping meetings are available for public inspection in the NRC Public Document Room (PDR), located at One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852, or from the NRC's Agencywide Documents Access and Management System (ADAMS). The ADAMS Public Electronic Reading Room is accessible at <http://www.nrc.gov/reading-rm/adams.html>. The transcripts for the afternoon and evening meetings are listed under accession numbers ML091460259 and ML091460260, respectively. If you encounter problems accessing documents in ADAMS, please contact the NRC's PDR reference staff by telephone at 1-800-397-4209 or 301-415-4737 or by e-mail at [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov).

J. Franke

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The draft supplement to the GEIS is scheduled to be issued in May 2011. A notice of the availability of the draft document and the procedures for providing comments will be published in the *Federal Register*. If you have any questions concerning the staff's environmental review of this license renewal application, please contact Mr. Daniel Doyle, Project Manager, at 301-415-3748 or by e-mail at [daniel.doyle@nrc.gov](mailto:daniel.doyle@nrc.gov).

Sincerely,

A handwritten signature in black ink, consisting of a vertical line with a large, stylized loop at the top and a horizontal line extending to the right.

Bo M. Pham, Chief  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-302

Enclosure:  
As stated

cc w/encl: Distribution via Listserv

**Environmental Impact Statement  
Scoping Process**

**Summary Report**

**Crystal River Unit 3  
Nuclear Generating Plant  
Crystal River, Florida**

**March 2011**



**U.S. Nuclear Regulatory Commission  
Rockville, Maryland**

## Introduction

The U.S. Nuclear Regulatory Commission (NRC) received an application from Florida Power Corporation (FPC), doing business as Progress Energy Florida, dated December 16, 2008, for renewal of the operating license for Crystal River Unit 3 Nuclear Generating Plant (CR-3). CR-3 is located in Crystal River, FL. The purpose of this report is to provide a concise summary of the determinations and conclusions reached, including the significant issues identified, as a result of the scoping process in the NRC's environmental review of this license renewal application.

As part of the application, FPC submitted an environmental report (ER) (FPC, 2008) prepared in accordance with Title 10 of the *Code of Federal Regulations* (CFR) Part 51 which contains the NRC requirements for implementing the National Environmental Policy Act of 1969 (NEPA). The requirements for preparation and submittal of ERs to the NRC are outlined in 10 CFR 51.53(c)(3).

The requirements in Section 51.53(c)(3) were based upon the findings documented in NUREG-1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants" (GEIS) (NRC, 1996), (NRC, 1999). In the GEIS, the staff identified and evaluated the environmental impacts associated with license renewal. After issuing a draft version of the GEIS, the staff received and considered input from Federal and State agencies, public organizations, and private citizens before developing the final document. As a result of the assessments in the GEIS, a number of impacts were determined to be generic to all nuclear power plants (or, in some cases, to plants having specific characteristics such as a particular type of cooling system). These generic issues were designated as "Category 1" impacts. An applicant for license renewal may adopt the conclusions contained in the GEIS for Category 1 impacts unless there is new and significant information that may cause the conclusions to differ from those of the GEIS. Other impacts that require a site-specific review were designated as "Category 2" impacts and are required to be evaluated in the applicant's ER. The Commission determined that the NRC does not have a role in energy-planning decision-making for existing plants. Therefore, an applicant for license renewal need not provide an analysis of the need for power or the economic costs and benefits of the proposed action. Additionally, as stated in 10 CFR 51.23(b), the Commission determined that the ER need not discuss any aspect of storage of spent fuel for the facility that is within the scope of the generic determination in 10 CFR 51.23(a). This determination was based on the Nuclear Waste Policy Act of 1982 and the NRC's Waste Confidence Rule, 10 CFR 51.23.

On April 6, 2009, the NRC initiated the scoping process by issuing a *Federal Register* notice (74 FR 15523). This notified the public of the staff's intent to prepare a plant-specific supplement to the GEIS regarding the application for renewal of the CR-3 operating license. The plant-specific supplement to the GEIS is also referred to as a Supplemental Environmental Impact Statement or SEIS. The SEIS will be prepared in accordance with 10 CFR Part 51.

The scoping process provides an opportunity for public participation to identify issues to be addressed in the SEIS.

The notice of intent identified the following objectives of the scoping process:

- Define the proposed action
- Determine the scope of the SEIS and identify significant issues to be analyzed in depth
- Identify and eliminate peripheral issues
- Identify any environmental assessments and other environmental impact statements being prepared that are related to the SEIS
- Identify other environmental review and consultation requirements
- Indicate the schedule for preparation of the SEIS
- Identify any cooperating agencies
- Describe how the SEIS will be prepared
- The NRC's proposed action is whether to renew the CR-3 operating license for an additional 20 years.

The scope of the SEIS includes an evaluation of the environmental impacts of CR-3 license renewal and reasonable alternatives to license renewal. The "Scoping Comments and Responses" section of this report includes specific issues identified by the comments. The subsequent NRC responses explain if the issues will be addressed in the SEIS and, if so, where in the report they will likely be addressed. Several environmental issues related to license renewal are site-specific. These include:

- entrainment of fish and shellfish in early life stages for plants with once-through heat dissipation systems
- impingement of fish and shellfish for plants with once-through heat dissipation systems
- heat shock for plants with once-through heat dissipation systems
- groundwater use conflicts (potable, service water, and dewatering; plants that use > 100 gpm)
- refurbishment impacts to terrestrial resources
- threatened or endangered species
- acute effects of electromagnetic fields (electric shock)
- chronic effects of electromagnetic fields
- housing impacts
- public services (public utilities, education, and transportation)
- offsite land use
- historic and archaeological resources
- severe accidents
- environmental justice.

During the scoping process, the staff noted the proposed new reactors in Levy County and the potential extended power uprate of CR-3.

Throughout the scoping process, the NRC staff identified and eliminated peripheral (i.e., out-of-scope) issues for the environmental review. This report provides responses to comments that were determined to be out of the scope of the environmental review. For in-scope comments, the staff will consider the comments in the development of the SEIS. A detailed response to in-scope comments will be provided, if necessary, in Appendix A of the SEIS.

Another environmental impact statement that is currently being prepared related to this review is

the NRC's review of the application for combined operating licenses for Levy Nuclear Plant Units 1 and 2<sup>1</sup>. Chapter 4, Section 4.11 in the SEIS will include a comprehensive list of related projects considered in this review.

In order to meet the requirements of the Magnuson-Stevens Fisheries Conservation and Management Act and Section 7 of the Endangered Species Act, the NRC staff is required to consult with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service to evaluate the potential impacts of continued operation on species and essential fish habitat. In order to fulfill its obligations under the National Historic Preservation Act, the NRC additionally initiated consultation with the Advisory Council on Historic Preservation, the Florida State Historic Preservation Officer, and three Federally-recognized Native American tribes: the Seminole Indian Tribe, the Seminole Nation of Oklahoma, and the Miccosukee Tribe of Florida.

The NRC staff expects to publish the draft SEIS in May 2011.

The NRC staff did not identify any cooperating agencies for this review. The NRC, as an independent regulatory agency, routinely and extensively consults with Federal, State, Tribal, and local entities during development of environmental impact statements and environmental assessments.

The SEIS will be prepared by NRC staff with contract support from Argonne National Laboratory.

The NRC invited the applicant; Federal, State and local government agencies; Native American tribal governments; local organizations; and individuals to participate in the scoping process by providing oral comments at the scheduled public meetings or by submitting written comments before the end of the scoping comment period on May 15, 2009. The scoping process included two public meetings which were held on April 16, 2009, at the Plantation Inn, 9301 W Fort Island Trail, Crystal River, FL 34429. The NRC issued press releases, purchased newspaper advertisements, and distributed flyers locally to advertise these meetings. Approximately 30 people attended the meetings. Each session began with NRC staff members providing a brief overview of the license renewal process and the NEPA environmental review process. Following the NRC's prepared statements, the floor was opened for public comments. Eight attendees provided oral comments that were recorded and transcribed by a certified court reporter. The transcripts of the comments from these meetings are included at the end of this report.

All documents associated with this scoping process are available for public inspection in the NRC Public Document Room (PDR), located at One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852, or from the NRC's Agencywide Documents Access and Management System (ADAMS). The ADAMS Public Electronic Reading Room is accessible at <http://www.nrc.gov/reading-rm/adams.html>. Persons who encounter problems in accessing documents in ADAMS should contact the NRC's PDR reference staff by telephone at 1-800-397-4209 or 301-415-4737 or by e-mail at [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The ADAMS accession number for each document is listed below in Table 1.

In addition to the comments received at the meetings, the NRC also received one e-mail with comments about the review. At the conclusion of the scoping period, the staff reviewed the

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<sup>1</sup> Draft document available at: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1941/>

transcripts, meeting notes, and all written material received in order to identify individual comments. Each comment was marked with a unique identifier including the Commenter ID (specified in Table 1) and a comment number, allowing each comment to be traced back to the transcript, letter, or e-mail in which the comment was submitted. Comments were consolidated and categorized according to the topic within the proposed SEIS or according to the general topic if outside the scope of the GEIS. Once comments were grouped according to subject area, the staff determined the appropriate action for the comment. The action or resolution for each comment is described in the staff's responses in this report.

Table 1 identifies the individuals providing comments and the assigned Commenter ID. For oral comments, the individuals are listed in the order in which they spoke at the public meeting. Accession numbers identify the source document of the comment in ADAMS.

**TABLE 1. Individuals Providing Comments During The Scoping Comment Period**

<b>Commenter</b>	<b>Affiliation (If Stated)</b>	<b>Comment Source</b>	<b>Commenter ID</b>	<b>ADAMS Accession Number</b>
Paul Roberts		E-mail	A	ML101390392
Bert Henderson		Afternoon Scoping Meeting	B	ML091460259
Ginger Bryant	Citrus County School Board	Afternoon Scoping Meeting	C	ML091460259
Brent Tolan	Progress Energy	Afternoon Scoping Meeting	D	ML091460259
Andy Vukmir		Afternoon Scoping Meeting	E	ML091460259
Emily Casey		Evening Scoping Meeting	F	ML091460260
Gary Maidhof	Director, Citrus County Department of Development Services	Evening Scoping Meeting	G	ML091460260
Mark Klutho		Evening Scoping Meeting	H	ML091460260
Dixie Hollins	Citrus County Chamber of Commerce	Evening Scoping Meeting	I	ML091460260

The comments and suggestions received as part of the scoping process are documented in this section and the disposition of each comment is discussed. The formatting of the comment in the source document is not necessarily preserved. The meeting transcripts and written comments are included in their original form at the end of this report.

Comments have been grouped into general categories.

In-scope comments:

1. General comments in support of Florida Power Corporation, nuclear power, and license renewal for CR-3 (PRO)
2. Comments in opposition to nuclear power (OPP)
3. Comments related to human health issues (HH)
4. Comments related to alternatives to license renewal of CR-3 (ALT)

Out-of-scope comments:

1. Comments related to plant safety (SAF)

In those cases where no new environmental information was provided by the commenter, only a brief response has been provided to the comment, and no further evaluation will be performed.

The preparation of the SEIS will take into account all the in-scope issues raised during the scoping process. The SEIS will address both Category 1 and 2 issues along with any new information identified as a result of the scoping process. The SEIS will rely on conclusions supported by information in the GEIS for Category 1 issues and will include analysis of Category 2 issues and any new and significant information. The NRC will issue a draft SEIS for public comment. The comment period will offer the next opportunity for the applicant, interested Federal, State, and local government agencies, Native American tribal governments, local organizations, and other members of the public to provide input to the NRC's environmental review process. The comments received on the draft SEIS will be considered in the preparation of the final SEIS. The final SEIS, along with the staff's safety evaluation report (SER), will provide much of the basis for the NRC's decision on the FPC application to renew the license of CR-3.

## Crystal River Unit 3 Nuclear Generating Plant Scoping Comments and Responses

### In-Scope Comments

#### 1. General comments in support of Florida Power Corporation, nuclear power, and license renewal for Crystal River Unit 3 Nuclear Generating Plant (PRO)

The comments in this category can be found at the back of this report and are labeled with the following identifiers: B-1-PRO, C-1-PRO, D-1-PRO, E-1-PRO, G-1-PRO, I-1-PRO.

**Response:** *These comments are general in nature and express support for Florida Power Corporation, nuclear power, or license renewal of Crystal River Unit 3 Nuclear Generating Plant (CR-3). The comments provide no new and significant information and require no further evaluation.*

#### 2. Comments in opposition to nuclear power (OPP)

There was one comment in this category. It can be found at the back of this report, labeled with the following identifier: H-1-OPP.

**Response:** *The comment is generally not supportive of nuclear power. The comment is general in nature, provides no new and significant information, and, therefore, will not be evaluated further. No change to the scope of CR-3 SEIS will be made as a result of this comment.*

*With regard to the general comment on emergency planning—emergency planning is part of the current operating license for all operating power plants and will continue to apply to plants with renewed licenses. Requirements related to emergency planning are in the regulations at 10 CFR 50.47 and Appendix E to 10 CFR Part 50. Through its standards and required exercises, the Commission reviews existing emergency preparedness plans throughout the life of any plant, keeping up with changing demographics and other site-related factors. The comment provides no new information and does not pertain to the scope of license renewal under 10 CFR Part 51 and Part 54. However, the information was provided to the appropriate NRC staff for consideration in future evaluations of emergency planning at CR-3.*

#### 3. Comments related to human health issues (HH)

There was one comment in this category. It can be found at the back of this report, labeled with the following identifier: F-1-HH.

**Response:** *The comment suggests that it would be beneficial to have an outside source do environmental radiation monitoring. Currently, monitoring is performed by the Florida Department of Health – Division of Environmental Health radiological environmental monitoring program (REMP) around the CR-3 site. The monitoring includes the following: thermoluminescent detectors surrounding the site identify direct radiation and special air sampling stations identify radioactive particulate emissions. Department staff also collect and analyze other samples, including vegetation, fish, citrus, watermelon, milk, garden vegetables, shoreline sediment, beach sand, drinking water, surface water, and groundwater. After the*

*samples are analyzed, the State provides the results to FPC for publication. Due to analytical complexity, cost, and complex dose calculations involved with these analyses, doses from gas and liquid effluent monitoring do not lend themselves readily to instantaneous broadcasting online, nor is that an NRC requirement. FPC reports the results to the NRC in its annual REMP Report. As part of its environmental review for license renewal, the NRC staff will review the REMP reports and present its evaluation in chapter 4 of the CR-3 Supplemental Environmental Impact Statement (SEIS). CR-3's annual REMP reports are available to the public via the NRC website <http://www.nrc.gov/reactors/operating/ops-experience/tritium/plant-info.html>. No change to the scope of the environmental review will be made as a result of this comment.*

#### **4. Comments related to alternatives to license renewal of CR-3 (ALT)**

There was one comment in this category. It can be found at the back of this report, labeled with the following identifier: F-2-ALT.

**Response:** *The comment states that the air quality in Citrus County is poor and recommends pursuing renewable sources of energy. The staff will evaluate reasonable alternatives to license renewal of CR-3 in Chapter 8 of the SEIS. No change to the scope of the environmental review will be made as a result of this comment.*

#### **Out-of-Scope Comments**

##### **1. Comments related to plant safety (SAF)**

**Comment A-1-SAF:** Crystal River Unit 3 has two (2) spent fuel pools. Pool "A" uses a carborundum neutron absorbing material in the spent fuel racks and Pool "B" uses Boral® as the neutron absorber material.

Our concerns are with the degradation of Carborundum neutron absorber material in the "A" pool.

The spent fuel storage racks in the "A" pool were placed in service in 1981 (28 years ago). The Carborundum neutron absorber material had a projected in-service life of 40 – 50 years.

Recent NRC documents state that the Carborundum material has experienced a 15% loss of Boron 10 areal density and the fuel pool criticality analysis has been recalculated with restrictions on spent fuel storage being instituted.

Our questions are:

1. How much degradation of the Carborundum material is allowed before the spent fuel racks must be replaced or modified to permit continued usage of the "A" fuel pool?
2. Is the degradation of the Carborundum material considered a factor in the plant life extension application review?)

**Response:** The degradation of Carborundum neutron absorber material in spent fuel pool A is addressed in the NRC's license renewal safety review. The NRC staff's preliminary evaluation of the applicant's program to manage the degradation of the spent fuel pool neutron absorbing materials is presented in Section 3.0.3.3.1 of the Safety Evaluation Report with Open Items

Related to the License Renewal of Crystal River Unit 3 Nuclear Generating Plant (ADAMS Accession No. ML103490568).

As noted in the Safety Evaluation Report with Open Items, the applicant committed to ongoing implementation of the existing Fuel Pool Rack Neutron Absorber Monitoring Program for managing aging of applicable components during the period of extended operation. Particularly, the applicant committed to enhance the administrative controls for the program prior to the period of extended operation. The applicant committed to: (1) include provisions to monitor and trend data for incorporation in test procedures to ensure the projection meets the acceptance criteria, (2) incorporate acceptance criteria tables for accumulated weight losses of monitored Carborundum samples, and (3) implement periodic Boron-10 areal density gauge for evaluation racks (BADGER) testing or comparable neutron attenuation testing for racks in pools A and B to ensure that the neutron absorption intended function is maintained and that technical specifications criticality requirements are continually met.

Safety matters related to the operation of the plant are outside of the scope of this environmental review. The comments provide no new and significant environmental information and will not be evaluated further in the context of the environmental review.

## References

10 CFR 50. *Code of Federal Regulations*, Title 10, *Energy*, Part 50, "Domestic Licensing of Production and Utilization Facilities."

10 CFR 51. *Code of Federal Regulations*, Title 10, *Energy*, Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions."

10 CFR 54. *Code of Federal Regulations*, Title 10, *Energy*, Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants."

Florida Power Corporation (FPC). 2008. Crystal River Unit 3 – License Renewal Application, Applicant's Environmental Report, Operating License Renewal Stage. November 2008. ADAMS Accession No. ML090080731.

National Environmental Policy Act of 1969 (NEPA). 42 U.S.C. 4321, et seq.

U.S. Nuclear Regulatory Commission (NRC). 1996. *Generic Environmental Impact Statement for License Renewal of Nuclear Plants*, NUREG-1437, Volumes 1 and 2, Washington, D.C., ADAMS Accession Nos. ML040690705 and ML040690738.

U.S. Nuclear Regulatory Commission (NRC). 1999. *Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Main Report*, "Section 6.3 – Transportation, Table 9.1, Summary of Findings on NEPA Issues for License Renewal of Nuclear Power Plants, Final Report," NUREG-1437, Volume 1, Addendum 1, Washington, D.C., ADAMS Accession No. ML040690720.

U.S. Nuclear Regulatory Commission (NRC). 2009. "Crystal River Unit 3 Nuclear Generating Plant; Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping Process," *Federal Register*, Vol. 74, No. 64, pp. 11523-11525, April 6, 2009.

**Comment E-mail and Meeting Transcripts**

The following pages contain the comments, identified by commenter designation and comment number, from e-mail and public scoping meeting transcripts.

**Crystal River Unit 3  
Plant Life Extension**

Crystal River Unit 3 has two (2) spent fuel pools. Pool "A" uses a carborundum neutron absorbing material in the spent fuel racks and Pool "B" uses Boral® as the neutron absorber material.

Our concerns are with the degradation of Carborundum neutron absorber material in the "A" pool.

The spent fuel storage racks in the "A" pool were placed in service in 1981 (28 years ago). The Carborundum neutron absorber material had a projected in-service life of 40 – 50 years.

Recent NRC documents state that the Carborundum material has experienced a 15% loss of Boron 10 areal density and the fuel pool criticality analysis has been recalculated with restrictions on spent fuel storage being instituted.

Our questions are:

1. How much degradation of the Carborundum material is allowed before the spent fuel racks must be replaced or modified to permit continued usage of the "A" fuel pool?
2. Is the degradation of the Carborundum material considered a factor in the plant life extension application review?

A-1-SAF

1                   If I could ask you to come up to the  
2 microphone here, again, state your name for the  
3 transcript. The reason we're not passing the  
4 microphone around is because we do have a  
5 transcriber's microphone up here and they're picking  
6 that up.

7                   So what I'll do is, I'm just going read  
8 the names in the order that I got them, and then  
9 that's the order that we'll call you up here. First  
10 we'll have Mr. Bert Henderson, then we'll have Ms.  
11 Ginger Bryant, then we'll have Mr. Brent Tolan, and  
12 then we'll have Mr. Andrija Vukmir. And I'm sorry if  
13 I'm mispronouncing any of these names.

14                   So with that, if Mr. Henderson could come  
15 on up.

16                   MR. HENDERSON: Thank you, and good  
17 afternoon. My name's Bert Henderson, retired faculty  
18 from University of Florida. And I have, fortunately,  
19 had the opportunity to be able to teach energy  
20 efficiency, sustainability, and green building for  
21 about the past ten years as a faculty member for UF.

22                   I've taught school children, folks to  
23 homeowners, on how to use energy efficiency and to  
24 reduce your utility bills. And taught contractors,  
25 architects, engineers, building officials, utility

B-1-PRO

1       staffs, and just all people that have anything to do  
2       with the construction industry and use of green  
3       building, sustainability, or energy efficiency.

4                 And the reason that I wanted to come here  
5       today, because I know that that plugs into with what  
6       the NRC Progress Energy is trying to do, they are  
7       trying to provide an energy source that is  
8       inexpensive, that is clean, and contributes to our  
9       attempt to have a green environment.

10                I mean there are other energy sources that  
11       people talk about; solar, using more coal, renewable  
12       energies. But all of those at this point, the  
13       technology has not caught up with this that either has  
14       a cost benefit or effects the environment less than  
15       nuclear power does at this present time. Now, maybe  
16       tomorrow it will come up with a PV panel that we can  
17       get, you know, at eight cents a kilowatt hour, it will  
18       cost us \$100, and we can put a pair big enough on the  
19       house to provide all the electricity that the house  
20       needs. But unfortunately that's not going to happen,  
21       at least not within the next 24 hours, according to  
22       what information I have.

23                So we've got to focus on energy sources  
24       that are going to provide us a quality and a  
25       consistent source of energy to power the homes that

B-1-PRO,  
continued

1 are now using more and more electricity, for stereos  
2 and computers and refrigerators and washer/dryers, and  
3 the list goes on and on and on.

4 So that's why I think, from my personal  
5 perspective, and from what research that I've done and  
6 been involved in the energy industry, that the nuclear  
7 power contributes to the green environment that we're  
8 all trying to focus on.

9 So with that, I charge the Nuclear  
10 Regulatory Commission to follow their mission to  
11 protect the environment by allowing Crystal River 3 to  
12 stay online, and to continue to operate.

13 Then we have those who might say that,  
14 well, yeah, but, you know, nuclear power, we've had a  
15 lot of problems. I mean look at Three Mile Island and  
16 look at the plant over in Russia that blew up and  
17 Chernobyl, and, you know, we're worried about Crystal  
18 River 3's going to blow up, and all this kind of  
19 stuff.

20 Well, I know I'm preaching to the choir.  
21 But we know that nuclear power plants don't blow up.  
22 Ha. That's all there is to it. We affect the  
23 environment more when we get out and drive our car.  
24 We affect the environment more when we live in our  
25 homes and we put our air conditioners down to 72

B-1-PRO,  
continued

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1 degrees and wonder why it's not cool enough here in  
 2 Florida. You know? Sometimes it just does not make  
 3 sense to me the way the public views energy, energy  
 4 efficiency, and use of energy. And I am all for, one,  
 5 if anybody's here from the School Board, I think we  
 6 all have to make everybody go through 9<sup>th</sup> grade  
 7 physics so they understand you don't get nothing for  
 8 nothing. All right?

9 So my whole point in this, and I'm going  
 10 to end my babble here real quick, is to provide the  
 11 opportunity for Crystal River 3 to stay online to  
 12 provide an inexpensive source of clean, green, energy  
 13 that we desperately need at this point in our societal  
 14 life.

15 MR. WRONA: Thank you, Mr. Henderson.

16 Next, if we could have Ms. Ginger Bryant.

17 MS. BRYANT: Thank you. Mr. Henderson, I  
 18 am from the School Board. I'll make a note.

19 MR. HENDERSON: Thank you.

20 MS. BRYANT: My name is Ginger Bryant and  
 21 I am a lifelong resident of Citrus County. I would  
 22 like to take this time to point out what Progress  
 23 Energy -- what an outstanding partner Progress Energy  
 24 is with Citrus County schools, and with Citrus County  
 25 Education Foundation. I am going to share with you

B-1-PRO,  
 continued

C-1-PRO

1 just a few of the things that Progress Energy does to  
2 support education in this community.

3 Progress Energy and UCF Leadership  
4 Institute -- there was a million dollars donated by  
5 Progress Energy to help the Central Florida provide  
6 leadership training for Florida educators. And Citrus  
7 County was fortunate to be one of thirteen counties  
8 participating in this Institute.

9 The purpose of Progress Energy UCF  
10 Leadership Institute was to strengthen and to support  
11 school district leaders in their efforts to improve  
12 student achievement. This five-year program involved  
13 a large number of our school and our district  
14 administrators. It included outstanding keynote  
15 speakers, excellent supporting materials and  
16 opportunities for collaboration with colleagues  
17 throughout Florida.

18 I feel the Institute contributed greatly  
19 to the success of the School District. We've been an  
20 A School for the past three years. And I don't know  
21 what that means, but we have been an A School. At  
22 least we weren't a B or anything less.

23 Progress Energy supports foundation  
24 grants. It had awarded several grants to our  
25 Education Foundation. Last year we applied for and

C-1-PRO,  
continued

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1 received \$25,000 for our Power of Education Project.  
 2 This project included funds to support our Power  
 3 Industry Academy at the Withlcoochee Technical  
 4 Institute, assistance for students needing funds to  
 5 take industry certification exams, student  
 6 scholarships for Power Industry Academy, and funds to  
 7 enable our Education Foundation to hire an Executive  
 8 Director. Our 2009/2010 \$25,000 grant will also  
 9 include funds to create a Central Career Academy  
 10 website, and funds to provide industry consultant to  
 11 work with students.

C-1-PRO,  
continued

12 As a member of the Citrus County School  
 13 Board, and the Citrus County Education Foundation, I  
 14 would like to express my sincere appreciation to  
 15 Progress Energy for forming such a strong partnership  
 16 and for supporting children and education in our  
 17 community.

18 MR. WRONA: Thank you, Ms. Bryant.

19 Next, if we could have Mr. Tolan come up.

20 MR. TOLAN: Hi. My name's Brent Tolan and  
 21 I'm a Progress Energy employee. I actually work at  
 22 the Crystal River Nuclear Plant. And one thing Ms.  
 23 Bryant said, that Progress Energy's been really  
 24 involved in the schools. And one thing we're doing  
 25 next week is going out and we're going to be part of

D-1-PRO

1 Engineer's Week, and go into the classrooms and try  
2 and teach kids what it's like to be an engineer.

3 But not to toot our own horn here. It  
4 just demonstrates that, like myself, everyone who  
5 works at the plant is a resident of this area, and we  
6 do those things not because we're Progress Energy  
7 employees, it's because we love the area we work in.  
8 And, I mean, that's one of the things that drew me  
9 here initially.

10 I love the environment here. I love being  
11 outside doing those types of things. And I think --  
12 I'm trying to get back to what the meeting is about,  
13 environmental impact. I've read the greenest product  
14 you can purchase is the one you already own, because  
15 it's something you already have with you. And while  
16 it's not always the case with power plants and large  
17 scale power production, I think this is one of the  
18 areas where it does apply. And we've already got a  
19 nuclear plant here. It doesn't make sense to let our  
20 license lapse when we have the opportunity to go  
21 another 20 years with something that's already here,  
22 it's already producing clean, efficient power.

23 You have to consider that if we were -- if  
24 we did shut down the plant we would have to replace  
25 that with another power source. People aren't going

D-1-PRO,  
continued

1 to turn off their lights, and they aren't going to  
2 stop using the devices that they use.

3 So if you do shut down the nuclear plant,  
4 you might build another nuclear plant. Hopefully we  
5 do that before too long. But it's not to replace the  
6 plant that we currently operate. And that's an  
7 important thing to realize.

8 The other thing to think about too is, we  
9 do live in a pretty delicate area. And we are able to  
10 maintain a certain level of natural mystique. And  
11 there are people who love it here, and they work here,  
12 and they would never leave, even if we shut down the  
13 plant. But those people need jobs, and I would hate  
14 to see those people have to resort to some other means  
15 to support themselves, and potentially sacrifice the  
16 environment to do so. I mean there's the opportunity  
17 to over-fish the waters, and to go cut down land and  
18 turn it into some facility, just something to get by.  
19 So I think those are important things to realize when  
20 we're talking about extending the life of this plant  
21 from an environmental aspect..

22 But also, I mean, I don't know that this  
23 is really the correct forum, but think about the  
24 economic impact the plant has. If it were to go away  
25 there are a number of high paying jobs, educated

D-1-PRO,  
continued

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1 people that would have to find new work and they would  
 2 be -- again, it opens up the community to find new  
 3 ways of generating tax revenues and things like that.

4 But it's important to realize that this is  
 5 a good thing for the community. And I hope that's  
 6 what came across today in my little bit of rambling.  
 7 But I'm just trying to keep it short and sweet. So,  
 8 thanks.

9 MR. WRONA: Thank you, Mr. Tolan.

10 And I have Mr. Vukmir.

11 MR. VUKMIR: Good afternoon. My name's  
 12 Andy Vukmir. My wife, Hazel, and I are  
 13 environmentalists. We belong to Citrus County  
 14 Audubon. We're also involved with the Homosassa  
 15 Wildlife State Park; we are volunteers there.

16 For the past years -- let me see. We're  
 17 also involved with the Whooping Crane migration in  
 18 Citrus County, when they fly over up in Dunnellon.

19 We've lived here and been residents for  
 20 the past 12 years and are fond admirers and supporters  
 21 of nuclear power. I put many years in experimental  
 22 nuclear physics, starting plants up around the world,  
 23 and I'm still here. Yes, I've been irradiated. We  
 24 are all. You talk on your cell phones, you get your  
 25 microwave working, your garage door opener.

D-1-PRO,  
 continued

E-1-PRO

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1 Radiation. So some of these people that fear  
 2 radiation, it's part of life. How about the so-called  
 3 -- our environment with our stones and just where we  
 4 live.

5 So at this time I urge the NRC and the  
 6 public to support the license renewal process for the  
 7 Crystal River Unit 3 Nuclear Power Plant. Nuclear  
 8 energy keeps America business competitive, and the  
 9 plants themselves are incredible job resources for  
 10 Crystal River and the surrounding communities.

11 As a nation the U.S. Department of Energy  
 12 projects that the U.S. energy demand will rise about  
 13 25 percent by 2030. This means our nation will need  
 14 hundreds of new plants to provide electricity for your  
 15 homes and continued economic growth in Crystal River  
 16 and Citrus County.

17 Nuclear plants are the lowest cost  
 18 producers of the baseload of nuclear electricity being  
 19 provided by reliable and affordable source of  
 20 electricity. And, nuclear energy helps to keep  
 21 American businesses competitive.

22 Nuclear plants are a source of a local job  
 23 growth here in Crystal River. Those same nuclear  
 24 plants, which do not emit carbon dioxide, accounts for  
 25 the majority of the voluntary reduction in greenhouse

E-1-PRO,  
 continued

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1 gas emissions in the electric power sector, according  
2 to a 2007 report from Power Partners, a partnership  
3 between the electric power industry and the U.S.  
4 Department of Energy.

5 The nation's nuclear power plant are among  
6 the safest, secure, industrial facilities in United  
7 States. Multiple layers of physical security,  
8 together with high levels of operation performance,  
9 protect plant workers and the environment. The  
10 primary concern of Progress Energy is the health and  
11 safety of the public.

12 Let's see now. Used fuel. Sometimes  
13 called waste. It is not. It is called spent fuel.  
14 It can be recycled. Yes. This spent fuel is not a  
15 threat to the public. Under an integrated management  
16 approach, spent fuel will remain stored at the nuclear  
17 power plants until moved to a consolidated interim  
18 storage facility. Eventually the United States will  
19 follow Great Britain and Japan in recycling of this  
20 spent fuel to extract the remaining energy and proceed  
21 to enrichment, followed by fabrication, and also  
22 returning the uranium to the nuclear power plants as  
23 fuel.

24 Yes. In closing, I am thankful for the  
25 opportunity of having clean nuclear power to produce

E-1-PRO,  
continued

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1 electricity. I urge NRC, working together as a team  
2 with Progress Energy and the public, to support this  
3 renewal process for Crystal River Unit Nuclear Power  
4 Plant. Sincerely.

E-1-PRO,  
continued

5 MR. WRONA: Thank you, Mr. Vukmir.

6 That was all the yellow cards that I have  
7 had.

8 Is there anybody else that would like to  
9 make a statement that didn't have a chance to fill out  
10 a yellow card?

11 (No response.)

12 MR. WRONA: Okay. Well, before we close  
13 the meeting I'd just like to thank you all for coming  
14 out and providing your comments on the license  
15 renewal. Remind you that the NRC staff will stay here  
16 a little bit after this meeting, so if you have some  
17 specific questions on renewal, what we do, please stop  
18 by and visit with us. Take some literature that we  
19 brought down here so we don't have to carry it back on  
20 the airplane.

21 With that, I think we'll go ahead and  
22 close the meeting. Thank you.

23 (Whereupon, at 2:43 p.m., meeting  
24 concluded.)

25

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MR. KLUTHO: Emily's going to speak first.

MR. WRONA: Okay. Ms. Emily Casey.

MS. CASEY: Hello. My name's Emily Casey.

I just came with a few comments. I have been at the NRC meetings for other reasons the last couple of months.

I just wanted to say a couple things. If CR-3 gets the permission to operate for another 20 years, what I would like to see, and what a lot of people in the community would like to see, is an outside source to do environmental radiation monitoring for the air and water quality. I do believe that right now there is not an outside source. I would love to be able to see that data realtime online. So we really feel that that would be an important thing to see.

However, what I really feel like we should be doing, is decentralizing the power, such as solar on homes, solar on schools. Then maybe not only would we not need a nuclear power plant, but another thing that Citrus County has, that I find quite annoying, is if you look on the EPA website for air quality, we have very poor air quality. And you go on there, you find out, well, what are they monitoring.

There's two or three small businesses that

F-1-HH

F-2-ALT

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1 they are monitoring, but mostly it's the big  
2 conglomerate that's out there, four coal plants and  
3 one nuclear power plant. Now, they've mentioned  
4 everything that's in the air quality that they  
5 monitor, and it just doesn't really look too good to  
6 have this poor of air quality in Citrus County, and  
7 then other counties with larger population have better  
8 air quality than we do.

9 So I would like to not have a nuclear  
10 power plant, and for us to be going with renewables.  
11 I think that's the way to go. We are at a point in  
12 time where we need to really make some tough  
13 decisions. Which way is it? Are we going to take the  
14 business as usual road, or are we going to use new  
15 technology and go with renewables?

16 No, I'm not against Progress Energy making  
17 money. So if it takes changing the way you make money  
18 to be able to do that, then that's fine. You know,  
19 just not getting it from the ratepayers. But that's  
20 a whole 'nother thing. I don't want that interpreted  
21 as not to pay power bills. Now, don't get me wrong  
22 about that.

23 So what I would really like for you all to  
24 be doing is be very progressive and go with the  
25 renewable energies. That's what I'd like to see.

F-2-ALT,  
continued

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1 However, if we do have CR-3, then we would like to see  
2 more outside monitoring.

3 And, I think that's really all I have to  
4 say at this time. Preferably the renewables and solar  
5 energy is the way to go here, with, you know, solar on  
6 every rooftop, including the schools. And for any  
7 flat top roofs that has businesses -- and it doesn't  
8 have to be that way anymore.

9 That's one thing I wanted to say. It  
10 doesn't have to be those big solar panels anymore.  
11 There's technologies that are out there now, and  
12 that's changing constantly. So I think that would  
13 really be the way to go.

14 And that's really all I have to say.  
15 Thank you.

16 MR. WRONA: Thank you, Ms. Casey.

17 Up next, if we could have Mr. Gary  
18 Maidhof.

19 MR. MAIDHOF: My name is Gary Maidhof. I  
20 am the Citrus County Director of the Department of  
21 Development Services.

22 Progress Energy and their predecessor,  
23 Florida Power Corporation, has been a corporate  
24 citizen within Citrus County going back to the  
25 construction of the first coal burning plant in 1966,

F-2-ALT,  
continued

G-1-PRO

1 and they have established the large Crystal River  
 2 complex, which has a total of five plants, one of  
 3 which is the plant we are speaking of tonight, and  
 4 then the other four coal plants.

5 Because of that significant presence,  
 6 Citrus County established a element within our  
 7 comprehensive plan, a growth management tool that is  
 8 required under State statute, a land use specific to  
 9 that, that is reflected both on our generalized future  
 10 land use map and an element within our comprehensive  
 11 plan.

12 That element specifically addresses the  
 13 environmental concerns of the facility, and specific  
 14 to the nuclear power plant, the concern that has been  
 15 raised is the potential impact to adjacent land uses,  
 16 specifically in regards to residential densities. To  
 17 that end I would point out that Progress Energy, and  
 18 again their predecessor, Florida Power Corporation,  
 19 has worked extensively with us to support us both  
 20 financially and technically and with training in being  
 21 prepared to deal with an event, should one occur,  
 22 though one has never occurred, within Citrus County.  
 23 They have established an infrastructure to warn the  
 24 community should an event or a potential event be  
 25 occurring. They have provided us with equipment to

G-1-PRO,  
 continued

1 facilitate monitoring if that were to occur. So we  
2 are well prepared on that front.

3 The other aspect that comes into plan in  
4 regards to this is, because we have a specific land  
5 use and specifically as an item that you've raised as  
6 an issue, this facility is deemed to be consistent and  
7 conforming to Citrus County's land use plan. The  
8 nuclear facility and the supporting transmission  
9 towers are allowable within the land use and this is  
10 not a non-conforming system.

11 One of the impacts that occurs when any  
12 power plant has to deal -- that's on the coast has to  
13 deal with heat generated from water discharge. And  
14 Progress Energy has been exemplary in trying to  
15 mitigate those impacts as best they can through heat  
16 reducing measures.

17 Regardless, they have also taken a very  
18 pro-active approach of establishing Americulture  
19 Center to provide an augmentation to natural  
20 populations on localized fish and other coastal  
21 species to offset any impacts that may occur through  
22 their process. And, to their credit, a number of  
23 years ago they were agreeable to, and shifted some of  
24 the pieces to assist us -- specifically shifted to the  
25 Bay Scallop, to assist in the reestablishment of that

G-1-PRO,  
continued

1 population off of Citrus County's coast, and we have  
2 accomplished that to the point where we have restored  
3 what was a recreational harvest opportunity in our  
4 summer, and that is now ongoing, and Progress Energy  
5 was a participant with that.

6 Also in regards to water quality. Of  
7 course the cooling system has water withdrawal that  
8 involves both some groundwater and also surface water.  
9 There is an extensive attempt to reuse water and to  
10 limit their consumption. But I would point out that  
11 while it is not currently available, is likely that if  
12 this is approved there will be an opportunity for  
13 Progress Energy to partner with the County and/or the  
14 City of Crystal River in utilizing reused water from  
15 one or more municipal treatment plants as an  
16 augmentation and substitute for groundwater withdrawal  
17 or surface water. So I would encourage that when that  
18 opportunity arises that we pursue that.

19 Another aspect involving Progress Energy  
20 from an environmental standpoint is, the coastal area,  
21 due to development impacts, both related to the  
22 facility as well as in general development impacts,  
23 has resulted in invasive species. Specifically some  
24 species of plants, like Brazilian Pepper, and there is  
25 some wildlife impacts. Progress Energy has been

G-1-PRO,  
continued

1 extremely proactive in trying to control those  
2 invasive species on property under their control. And  
3 has been supportive in assisting agencies outside  
4 their general control through mitigation projects and  
5 things of that nature.

6           Lastly, I would point out that there are  
7 a number of endangered species that are located within  
8 Citrus County. Some of high prominence. Of course  
9 the West Indian Florida Manatee. And Progress Energy  
10 has taken extensive steps, both through engineering  
11 and operation, to ensure that those species are not  
12 adversely impacted. That includes not only exclusions  
13 and things of that nature from a structural  
14 standpoint, but they also are participants in our  
15 Manatee Protection Plan, and understand that the heat  
16 sources that are generated by their existing  
17 facilities become a warm water refuge in the winter,  
18 and they make sure that they do not adversely impact  
19 on animals during that period.

20           There was also a period of time when Sea  
21 Turtles became involved in the Progress Energy system,  
22 and they were extremely responsive in taking steps to  
23 exclude those animals, and they also established  
24 monitoring programs to ensure that those species,  
25 specifically the Kemps Ridley, which has their young

G-1-PRO,  
continued

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1 -- have their growing years in this area of the State.  
 2 They have done extensively to reduce and eliminate  
 3 those types of impacts.

4 So overall I would strongly support the  
 5 renewal of this license. I would encourage Progress  
 6 Energy to continue in the program they have, and to be  
 7 open to new programs that may be available to us down  
 8 the road to even further reduce environmental impacts  
 9 should they occur. Thank you.

10 MR. WRONA: Thank you, Mr. Maidhof.

11 Mr. Mark Klutho.

12 MR. KLUTHO: Mark Klutho, 14496 120<sup>th</sup>  
 13 Avenue North, Largo.

14 I almost wore this shirt tonight  
 15 (Indicating.) but I had to wear this one that I had on  
 16 yesterday at the Hillsborough County Commission  
 17 meeting, and then for all the idiots at the tea party  
 18 in Downtown Tampa.

19 This one here has Mr. Sun on it, and above  
 20 it it says: "I support Nuclear Power" 93 million  
 21 miles away.

22 And here is a sign that I've had at  
 23 several protests. I made it after the fool, Joe  
 24 Guidry at the Tampa Tribune wrote his pro-nuclear  
 25 power editorial, and this is many years after they

G-1-PRO,  
 continued

H-1-OPP

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1 stopped doing that, after Avery Lovins met with the  
2 Editorial Board, way back in 1992. And you can see,  
3 the ink ran a little bit. It was a downpour. All the  
4 people were crying for me out there in the rain. I  
5 said, "It's nothing like the monsoons I experienced in  
6 Viet Nam."

7 I read recently that the NRC just approved  
8 the extension of the license, I believe, for the  
9 oldest nuclear power plant in the country. And you  
10 know what I see here, is kind of what appears to be a  
11 rubber stamping. And I don't know if you want to call  
12 it a truism or maybe a tenet, but one of those old,  
13 old ones, it's called "Keep It Simple Stupid." And  
14 just like the boondoggle, the Space Shuttle, there  
15 will be catastrophes.

16 And there was that plant up in Ohio. How  
17 thin did that metal get? Was it three-sixteenths or  
18 a sixteenth of an inch before somebody caught that  
19 one? What kind of monitoring was happening there?

20 And I don't know if this was before or  
21 after a license was extended, but then I hear the NRC  
22 can't control nuclear waste being sent from overseas  
23 into this country. Nope, we can't do anything about  
24 that. And then, not too long ago, there was an  
25 article in the paper, you know, of course you've heard

H-1-OPP,  
continued

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1 about how great the nuclear power is in France.  
2 Seventy, seventy-five percent of their electricity  
3 from the nukes. Well, there is a big protest in  
4 Germany, 15,000 on the railroad track, trying to stop  
5 a train with waste from France to be stored in  
6 Germany. While Germany is going to phase out their  
7 nuclear power. Once the licenses expire on those  
8 plants in Germany they will no longer run. If it's so  
9 great in France, why does the waste go into Germany?

10 Something's wrong. And then, and then  
11 there was a show on WMNF. Go to Michio Kaku's  
12 website. You heard of him? Michio Kaku at New York  
13 City University? He interviewed this individual. I  
14 don't remember his name, I don't remember the  
15 organization. I don't have time to keep track of it  
16 all.

17 But Yucca Mountain? It's not going to  
18 happen. All the billions that have gone into that  
19 place. "Hey, it's going to be a wonderful thing  
20 there." But they didn't check for seismic activity.  
21 They didn't check to see how much water's getting into  
22 the place. So all the waste is going to stay at all  
23 these power plants.

24 I mean this is really something. And I  
25 did bring my papers tonight so you guys could know.

H-1-OPP,  
continued

1 Who's Who In America. I brought my DD-214, and most  
2 of all, Nuclear Weapons Assembly Team. I'm coming at  
3 it from a unique prospective here.

4 And the book from Amory Lovins, Non-  
5 Nuclear Futures. The Case For An Ethical Energy  
6 Strategy, copyright 1975. And here is this Time  
7 Magazine from January 12<sup>th</sup>, 2009, "Why Do We Need To  
8 See The Light About Energy Efficiency."

9 And what Amory Lovins says here,  
10 "Efficiency guru Amory Lovins argues that today's best  
11 techniques could save the US half our oil and gas and  
12 three-fourths of our electricity."

13 The last four electric bills at our house  
14 were \$23.45, \$23.54, \$23.75, and \$21.98. And all  
15 we've done so far is the solar thermal for hot water.  
16 The rest is through efficiency.

17 And, there is also in here an article  
18 about the nuclear. And you can also, on the newsstand  
19 right now, find a special issue about energy from the  
20 National Geographic. And you know, when I said that  
21 truism, that tenet about "Keep It Simple," I mean  
22 there is also that old saying of Murphy's Law, "What  
23 can go wrong, will."

24 And with these plants, you have a big  
25 experiment happening here. This is something that

H-1-OPP,  
continued

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1 hasn't happened before. You're not talking about a  
2 horse and buggy, or an internal combustion engine.  
3 And what you're doing is you're bombarding steel and  
4 concrete with radiation. And I don't care who you  
5 are, you don't know what the effect is going to be,  
6 especially since you just said, you can increase the  
7 output by fifteen percent. You're rolling the dice.  
8 In fact, if you check with the odds makers in Vegas,  
9 the odds are fifty percent that there's going to be a  
10 catastrophe. What kind of odds are those?

11 And then, that Wednesday, October 1<sup>st</sup>, USA  
12 Today article stated, that 10,000 years that waste has  
13 to be sequestered. Oh, no, no, no, no. It must be  
14 sequestered for up to one million years. Okay. Who  
15 is the wizard that's going to show me how they're  
16 going to give a million year guarantee? I will never  
17 be convinced. It's something you shouldn't be  
18 touching if you have to say that you have to sequester  
19 it for a million years.

20 And then these plants, what are they after  
21 you can't use them anymore? They're the worst  
22 superfund site in the world. And you know it's so  
23 funny that after the Tribune writes their pro-nuclear  
24 power editorial, that they print this column, "A  
25 Nuclear Bull's-Eye Is On Our Back." I mean you want

H-1-OPP,  
continued

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1 to talk about safety. FBI Director Robert Mueller  
2 also warned about the risk of malicious disruption of  
3 nuclear reactors. Al-Queda planner Kahlid Sheikh  
4 Mohammed had nuclear power plants as part of his  
5 target set. And we have no reason to believe that Al-  
6 Queda has reconsidered. Mueller had testified before  
7 the Senate Committee on Intelligence.

8 Well, you can say those planes can't go  
9 though the three-foot walls of the reactor building,  
10 but what about all the stuff that's stored out in the  
11 pools. And all of these mock raids that they do on  
12 the power plants. They always get in. And they're  
13 with little-bitty contingents. I mean it's a farce.

14 Why it was Dateline or 60 Minutes over  
15 there in South Africa, the show they had on there.  
16 Holy cow. I mean you people are living in a dream  
17 world. You know, this is the unabridged version of  
18 this article, "A Nuclear Bull's-Eye Is On Our Back,"  
19 written by Michael Totten. You can find it in this  
20 Solar Today From September/October 2008.

21 You want to talk safety? But then if it's  
22 so safe, why do we need the Price Anderson Act? You  
23 can't get insurance. What kind of deal is this? See,  
24 and I'm a kid back from the '50s, and this stuff was  
25 supposed to be too cheap to meter. And what I've been

H-1-OPP,  
continued

1 reading is that these plants over there in  
 2 Scandinavia, they're going way over budget. I mean  
 3 this -- and last summer I was here for a hearing for  
 4 the new plants. And all incandescent weren't in this  
 5 -- it wasn't in this room. But still all incandescent  
 6 bulbs. And I think I said, the book, Plan B, by  
 7 Lester Brown, just by doing the efficient lighting  
 8 that we can do, 700 of the 2,360 coal fire power  
 9 plants in use in the world could be turned off. I  
 10 mean talk about a stupid populous. Now, you can't get  
 11 there? You're going to do nuclear power?

12 Well, there's going to be a fiasco. It  
 13 may not be Crystal River and it may not be up in Levy  
 14 County, but it is going to happen. Guaranteed, it's  
 15 going to happen. And you know the way I see the NRC,  
 16 because I've said this, because this is the third time  
 17 I've been before the NRC in less than a year. And  
 18 I'll be at every hearing that the NRC comes and has,  
 19 where I can speak. And I have been following it, like  
 20 I say.

21 Copyright 1975 (Indicating.) Nuclear  
 22 Weapons Assembly Team, 1970 (Indicating.) And I  
 23 protested up in Missouri when I lived in St. Louis.  
 24 One day Union Electric up there built that plant on  
 25 the Missouri River back in the '70s.

H-1-OPP,  
 continued

1 But the way I see the NRC, you've heard  
2 that saying, "The fox guarding the hen house." Well,  
3 this is a much bigger situation here. It's more like  
4 a pack of jackals or a pack of hyenas guarding the hen  
5 house. No reflection on the jackals or the hyenas,  
6 because they're only doing what comes naturally.

7 But you people aren't reasoning. You're  
8 acting without conscious. You're wasting. I mean,  
9 you know, one of my favorite quips from Amory Lovins.  
10 "To heat your water with electricity is like cutting  
11 butter with a chain saw." Now, that says you're  
12 really damn stupid. And like I say, the odds makers,  
13 one in two, fifty percent. And, you know, to Mr.  
14 Bureaucrat there, they had a big gathering of all the  
15 experts after we had the hurricanes, after 2004.

16 And isn't this part of the SWFWMD area  
17 here? Aren't you in the SWFWMD area of the State?

18 (No response.)

19 MR. KLUTHO: Well, there's a  
20 representative from the state of Florida that sees  
21 over the safety of this area, and they had people from  
22 universities and the emergency management directors.  
23 I know Sarasota was there, and Pinellas and  
24 Hillsborough. And this guy proceeded to tell a joke  
25 saying, "Well, you know that the company that made

H-1-OPP,  
continued

1 that bridge, that I-10 bridge up there in the  
2 Panhandle where that hurricane knocked it into the  
3 water? They're the same ones that made the bridge  
4 going down to the Everglades." And you know what  
5 happened? These emergency directors, the college  
6 presidents and all of these experts, they're all, "Ha,  
7 ha, ha, look at this funny joke." A person like you  
8 laughing at this joke.

9 Well, guess what? This company, they  
10 presented the low price to the bid on the specs that  
11 were given to them by the powers that be. And the guy  
12 that's going to be -- you're saying, "Oh, we have all  
13 the means to protect should there be some kind of a  
14 disaster." Here is this fool from the State, that's  
15 overseeing this area in case there is some kind of a  
16 disaster, making such an asinine, stupid joke, and  
17 then all of these other people that are supposed to be  
18 the protectors, laughing at the joke, instead of one  
19 of them saying, "Hold on a minute. That contractor  
20 was only following the plans and bidding on what they  
21 said how high to make that deck above the water.  
22 Because you didn't say we should be planning for a  
23 Hurricane 4. All we should do is plan for a Hurricane  
24 1 or 2."

25 I mean, I'm telling you, and I can predict

H-1-OPP,  
continued

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1 there will be a catastrophe coming. And like I say,  
 2 it may not be this one, but you do another 20 years  
 3 and you up the output, you keep bombarding that steel  
 4 and concrete with radiation, it's coming. It is  
 5 coming.

H-1-OPP,  
 continued

6 MR. WRONA: Thank you, Mr. Klutho.

7 And next, Dixie Hollins, Mr. Dixie  
 8 Hollins.

9 MR. HOLLINS: Thank you. My name's Dixie  
 10 Hollins, and I would first like to speak as  
 11 representative of the Citrus County Chamber of  
 12 Commerce. We have 1200 members and we've been a part  
 13 of this community and part of Progress Energy. Back  
 14 then it was Florida Power, tcday it's Progress Energy.  
 15 And we embrace the relicensing of this nuclear power  
 16 plant. Units 1, 2, 3, 4, and the nuclear power plant  
 17 is the provider for jobs here in this community. It's  
 18 the provider for much needed electricity in this  
 19 region. It has provided for our education system in  
 20 this community, for our safety, of the sheriff and the  
 21 hospitals that have come up here because of this power  
 22 plants. And we encourage the relicensing of this  
 23 plant.

I-1-PRO

24 I understand that they're doing a  
 25 retrofitting, that's simply stated, this Fall, which

1 will bring over 3,000 employees to this community.  
2 And the economics of this community right now is just  
3 about as low as we can go.

4 We support this retrofitting. We support  
5 the more capacity that this plant can produce the most  
6 -- the needed electricity. We support the taxes that  
7 it generates for this community.

8 The environmental review. And I'm now  
9 going to speak on behalf of Dixie Hollins, not the  
10 Chamber of Commerce. I used to live -- and the only  
11 reason I don't live there next to the nuclear power  
12 plant anymore, is to be honest and truthful with you  
13 all, is that my father passed away and we had to sell  
14 our beautiful ranch to pay inheritance tax. And  
15 that's the only reason I don't live there today.

16 I used to live there next to the nuclear  
17 power plant, and I can tell you they were good  
18 neighbors, and good, safe neighbors. They went beyond  
19 the call of duty to embrace this community. They put  
20 saltwater towers up to lower the water going out to  
21 the Gulf of Mexico.

22 As Mr. Maidhof previously said -- he had  
23 a better name for it, I call it a fish hatchery. They  
24 produce fish to go back in the Gulf of Mexico. They  
25 also, because I was in the timber business, took the

I-1-PRO,  
continued

1 time and the expense to put salt drift monitors --  
 2 because I was in the timber business I had some  
 3 concern over the salt drift coming out of the cooling  
 4 towers. And there was none.

5 And they were there and still are there to  
 6 embrace this community. And they have a railroad  
 7 track down there, they have 1500 employees down there.  
 8 They do beyond the call of duty to being a good  
 9 neighbor, which I previously said.

10 The Chamber, again, will support this.  
 11 And I, as an individual, have been in this community  
 12 for a long time, will continue to support nuclear  
 13 power here in Crystal River. And especially the  
 14 retrofitting and also the new licensing of the nuclear  
 15 power plant. I appreciate your comments.

16 I would also like to suggest, for the  
 17 benefit of all, that the Florida Power or Progress  
 18 Energy, before they open it to public speaking, put  
 19 some kind of a time limit so all of us can have the  
 20 equal opportunity. Thank you.

21 MR. WRONA: Thank you, Mr. Hollins.

22 That was all the yellow cards I have for  
 23 people registered to speak.

24 Did somebody else have any comments that  
 25 they would like to make and didn't have a change to

I-1-PRO,  
 continued

The draft supplement to the GEIS is scheduled to be issued in May 2011. A notice of the availability of the draft document and the procedures for providing comments will be published in the *Federal Register*. If you have any questions concerning the staff's environmental review of this license renewal application, please contact Mr. Daniel Doyle, Project Manager, at 301-415-3748 or by e-mail at [daniel.doyle@nrc.gov](mailto:daniel.doyle@nrc.gov).

Sincerely,  
**/RA/**  
Bo M. Pham, Chief  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-302

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RKuntz                      DDoyle  
FSaba                        DRich, RIV  
TMorrissey, RII            AJones, OGC

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Ginger Bryant              Bert Henderson  
Dixie Hollins               Paul Roberts

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