

Appendix A

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I'd like to take a moment to tell you a little about myself, and my association with Surry Power Station. My background is fairly typical of many of the members of our site leadership team. I began my career in 1967 with a 6-year enlistment in the US Navy as a nuclear submarine operator. I later worked for Stone & Webster Engineering as an associate engineer, providing design and operational engineering support to several operating nuclear plants, including Surry. I completed my degree in Engineering and obtained my Professional Engineer license in the state of Virginia, while working for Stone and Webster. I moved to Surry in 1978 as a construction engineer for Stone and Webster and joined Dominion in 1983 as the site design engineering supervisor. I obtained my commercial senior reactor operator certification during my tenure as site engineering manager. In 1999 I became Director of Station Safety and Licensing, and 2000, was promoted to Plant Manager.

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Surry has a long history of safe and efficient operation. We're consistently ranked among the most efficient producers of nuclear-generated electricity in the United States. The station also has achieved high levels of performance in nuclear safety and plant security as measured by the Nuclear Regulatory Commission.

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The Nuclear Regulator Commission – in its Systematic Assessment of Licensee Performance during the period spanning 1992-1998 gave the Station high marks for safety, with an average score of 1.2, which is defined as having superior safety performance in all station functional areas. Under the NRC's revised oversight process, Surry continues to fully meet all NRC safety cornerstone objectives. The Institute of Nuclear Power Operations, also, has consistently given Surry high marks for nuclear safety and operational performance in addition to fully accrediting all of our training programs.

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Our commitment to environmental stewardship dates back to the construction days of 1960s and 1970s. We believe our proximity to the Hog Island wildlife preserve fits hand-in-glove with efforts to maintain operations that have a minimal impact on the local environment. We feel blessed to have bald eagles and ospreys nesting and soaring over our property. We treasure the beauty of the pelicans, egrets and herons that perch on the banks of our intake and discharge canals. As you approach the plant entrance you'll see our Station Goals posted on roadside signs. One of those goals is to have no environmental violations (a repeat

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of the successful 2001 goal).

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We don't put oil or other contaminants into the ground or waterways. If we have a piece of equipment leak oil we have a spill prevention and cleanup procedure we invoke and we document the leak in our Corrective Action System where we track what, how, and why it happened and what we will do to prevent reoccurrence.

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One of the things that we took a look at when we considered whether to apply to renew Surry's license was the cost of replacing the plant. Surry generates more than 1,600 megawatts of electricity, or enough power to light up about 400,000 homes. The station was relatively inexpensive to build, costing about

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\$400 million. When you consider the cost of building new baseload electric generating units in today's economy, that's a bargain. In the future, more electricity, not less, will be required to meet growing customer demand. Because of Surry's low production costs, overall safety performance and minimal impact on the environment, we believe that re-licensing the station is the best option for meeting the future electricity needs of Virginians.

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Finally, I would like to thank those of you from the State and Local governments on behalf of Dominion for allowing us to do business in Surry County. We strive to be a good corporate citizen and have enjoyed the

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professional, supportive working relationship we have with the State and Local officials. Dominion has a long-standing tradition of investing in the communities we serve through volunteer and philanthropic activities. Our employees demonstrate their commitment to their community by participating in Adopt-a-Highway programs, Holiday baskets for the needy, contributing to the United Way, Blood Drives, supporting area scouting programs and many other community activities. We consider community partnership as an important component of the Dominion equation and environmental stewardship as a core component of that partnership.

I appreciate the opportunity to talk about our license renewal plan and would now like to introduce Dr. Jud White, our Manager of Environmental Policy and Compliance, to talk about the environmental specifics of our operations.

Thank you.

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Comments by Jud White, Dominion
NRC Public Comment Meeting – May 29, 2002
Draft Supplemental Environmental Impact Statement (SEIS)
Surry Power Station

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- My name is Jud White and I'm an environmental manager for Dominion with responsibilities related to water and waste compliance activities at all of our generating facilities, including Surry Power Station. I have about 27 years experience with Dominion; my academic degrees include a Masters in Biology and a Ph.D. in Environmental Policy. I am very proud of Dominion's environmental performance throughout the years I've been employed.
- I was directly involved with the Dominion nuclear team that prepared the license renewal application for Surry Power Station and, in particular, I helped develop our environmental report to the NRC and coordinated with federal and state environmental agencies.
- Dominion commends the NRC in developing a high-quality and professional draft Supplemental Environmental Impact Statement associated with license renewal for Surry Power Station. The Supplemental Environmental Impact Statement is a thorough and accurate scientific assessment of the potential environmental impacts associated with the proposed action.
- Dominion supports and agrees with the conclusion of NRC staff that renewing the Surry Power Station operating license is a reasonable option that will not result in any noticeable impact to the environment. The draft Supplemental Environmental Impact Statement states, "the adverse environmental impacts of license renewal for Surry Power Station, Units 1 and 2, are not so great that preserving the option of license renewal for energy-planning decisionmakers would be unreasonable." Basically this means that for Dominion the license renewal option is preserved or acceptable for Surry Power Station in order to meet future system generating needs of the company.

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- The environmental impacts associated with potential alternative sources of electricity, in lieu of license renewal, are considered greater than preserving the option of license renewal for Surry Power Station. This is an important finding in the draft Supplemental Environmental Impact Statement.
- Dominion prepared (over a several year period) and submitted an extensive Environmental Report to NRC for license renewal that was part of the information used by NRC to develop this Supplemental Environmental Impact Statement and its recommendation. In other words, the NRC didn't just rely on our work. They independently validated our conclusions through the use of additional resources, including: their Generic Environmental Impact Statement for License Renewal for Nuclear Plants, extensive consultation with federal, state, and local environmental agencies, independent review by NRC staff and national laboratory consultants, and the consideration of public comment during the scoping process last September.

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- Of particular note relative to information sources, Dominion proactively engaged in discussions and meetings with key state and federal environmental agency staffs very early in the license renewal process to help ensure all issues were identified and appropriately addressed in the Environmental Report submitted to the NRC. Dominion also proactively communicated with environmental and other pertinent stakeholders about license renewal. This helped considerably in the development of a thorough and accurate report.
- Potential environmental impacts to fish, shellfish, aquatic macroinvertebrates and threatened and endangered species are discussed in detail in the report. In fact extensive studies of the environmental impacts began in 1969, before the station was operational. Based on the station's cooling water intake and discharge design (water intake screening results in high survivability, heated water is dispersed and cools rapidly) and its location in the tidal transition zone (biota more abundant upstream and downstream of the plant site), the NRC concluded that potential impacts to aquatic biota from operation are small and that additional mitigation is not warranted. The NRC has also preliminarily determined that the continued operation of Surry Power Station and its associated transmission lines will not adversely affect any threatened or endangered species, including the bald eagle, which has

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- SurD-G thrived in the area for many years. Dominion agrees with these scientific findings of NRC.
- With respect to historic resources, Dominion has coordinated closely with Virginia's Department of Historic Resources during the license renewal process. This department has concluded that "there are no recorded historic districts, structures or archaeological sites located within the ... facility." The staff concluded though that there is a moderate to high potential for undiscovered historical and archaeological resources to be present on the undeveloped portions of the property; but by limiting future access to the property, it was determined that continued operation of the Surry Power Station would have a beneficial, protective effect on undiscovered historical or archaeological resources located in the undisturbed portion of the site, for the duration of the license renewal period.
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- To assist NRC in evaluating the current applicability of the Generic Environmental Impact Statement information as it pertained to the generic issues classified as needing no further review, Dominion developed an internal procedure to identify any new and significant information related to these issues that could potentially change the determinations. No information was identified that would change the conclusions in the Generic Environmental Impact Statement. This activity is considered very important in all license renewal projects for verification of the findings in the Generic Environmental Impact Statement.
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- Dominion also agrees with the NRC that the potential environmental impacts of license renewal for the remaining environmental issues evaluated separately in the Supplemental Environmental Impact Statement are small. A significant consideration for this determination was the fact that no new major construction or land-disturbing activity is to take place in order to proceed with license renewal, nor are there any new or increased environmental emissions as a result of this action. In essence, current measures to mitigate environmental impacts associated with operations were found to be adequate.
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- Dominion takes pride in its environmental performance and its positive relationships with regulatory agencies, environmental organizations, the general public, and our community neighbors. All of this takes time to

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foster and develop as well as a major commitment by management to openness and candor. In this license renewal process we want to ensure that we continue on this path and that nothing adversely impacts our future performance or relationships.

- Dominion believes that our obligation to provide safe and reliable energy from nuclear power extends well beyond this license renewal milestone. Federal, state and local oversight will continue to test and challenge, just as it does today, our standard of environmental excellence and the conduct of our daily business.
- Dominion welcomes all comments on the contents of this Supplemental Environmental Impact Statement during the required public comment period and we look forward to working constructively with NRC staff.

Appendix B

Contributors to the Supplement

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The overall responsibility for the preparation of this supplement was assigned to the Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission (NRC). The statement was prepared by members of the Office of Nuclear Reactor Regulation with assistance from other NRC organizations and the Pacific Northwest National Laboratory, Lawrence Livermore National Laboratory, and Los Alamos National Laboratory.

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<p>(a) Pacific Northwest National Laboratory is operated for the U.S. Department of Energy by Battelle Memorial Institute.</p> <p>(b) Lawrence Livermore National Laboratory is operated for the U.S. Department of Energy by the University of California.</p> <p>(c) Los Alamos National Laboratory is operated for the U.S. Department of Energy by the University of California.</p>		

Appendix C

Chronology of NRC Staff Environmental Review Correspondence Related to Virginia Electric and Power Company's Application for License Renewal of Surry Power Station, Units 1 and 2

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Chronology of NRC Staff Environmental Review Correspondence Related to Virginia Electric and Power Company's Application for License Renewal of Surry Power Station, Units 1 and 2

This appendix contains a chronological listing of correspondence between the U.S. Nuclear Regulatory Commission (NRC) and the Virginia Electric and Power Company (VEPCo) and other correspondence related to the NRC staff's environmental review, under 10 CFR Part 51, of VEPCo's application for renewal for the Surry Power Station, Units 1 and 2, operating licenses. All documents, with the exception of those containing proprietary information, have been placed in the Commission's Public Document Room, at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland, and are available electronically from the Public Electronic Reading Room found on the Internet at the following web address: <http://www.nrc.gov/reading-rm.html>. From this site, the public can gain access to the NRC's Agencywide Document Access and Management System (ADAMS), which provides text and image files of NRC's public documents in the Publicly Available Records (PARS) component of ADAMS. The ADAMS accession numbers for each document are included below.

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|-----------------|---|
| May 16, 2001 | Letter from NRC to Mr. Alan Zoellner, Swem Library, concerning the maintenance of reference material for the Surry license renewal application (Accession No. ML011360033) |
| May 29, 2001 | Letter from Mr. David A. Christian, Virginia Electric Power Company (VEPCo) to the NRC, submitting the application for the renewal of the operating licenses for the Surry and North Anna Power Stations, Units 1 and 2 (Accession No. ML011500502) |
| August 8, 2001 | Letter from NRC to Mr. David A. Christian, VEPCo, forwarding the Notice of Intent to prepare an environmental impact statement and conduct scoping process for license renewal for Surry Power Station, Units 1 and 2 (Accession No. ML012130132) |
| August 21, 2001 | Notice of September 19, 2001, public meeting to discuss environmental scoping process for the Surry Power Station, Units 1 and 2, license renewal application (Accession No. ML012330263) |
| August 22, 2001 | Letter from NRC to Ms. Reeva Tilley, Chairman, Virginia Council on Indians, inviting scoping comments (Accession No. ML012360236) |

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- October 10, 2001 Summary of September 19, 2001, public scoping meetings for the Surry Power Station, Units 1 and 2, license renewal application (Accession No. ML012830412)
- October 17, 2001 NRC letter to Mr. David A. Christian, VEPCo, "Request for Additional Information Related to the Staff's Review of Severe Accident Mitigation Alternatives for the Surry and North Anna Power Stations, Units 1 and 2" (Accession No. ML012910292)
- November 15, 2001 Letter to NRC from John P. Wolflin, U.S. Fish and Wildlife Service, providing scoping comments on Surry Power Station license renewal (Accession No. ML013460237)
- December 10, 2001 Letter from Mr. David A. Christian, VEPCo, to NRC, responding to the October 17, 2001, request for additional information related to the staff's review of severe accident mitigation alternatives for the Surry and North Anna Power Stations, Units 1 and 2 license renewal (Accession No. ML013520484)
- December 26, 2001 Memo to file, socioeconomic and aquatic information provided by VEPCo (Accession No. MLO13610514)
- January 3, 2002 NRC letter to Ms. Cara H. Metz, Virginia Department of Historic Resources, concerning the potential for license renewal at the Surry and North Anna Power Stations to affect historic resources (Accession No. ML020070569)
- January 16, 2002 NRC letter to Mr. David A. Christian, VEPCo, "Issuance of Environmental Scoping Summary Report Associated with the Staff's Review of the Application by Dominion for Renewal of the Operating Licences for Surry Power Station, Units 1 and 2" (Accession No. ML020160586)
- January 17, 2002 NRC note to file, information provided by VEPCo during the NRC site audits in relation to the license renewal applications for the Surry and North Anna Power Stations, Units 1 and 2 (Accession No. ML020180119)
- January 23, 2002 NRC note to file, information provided by VEPCo in relation to severe accident mitigation alternatives in its license renewal application for the Surry Power Station, Units 1 and 2 (Accession No. ML020250545)

January 24, 2002 NRC letter to Ms. Karen Mayne of the U.S. Fish and Wildlife Service requesting a list of protected species within the area under evaluation for the Surry and North Anna Power Stations license renewal (Accession No. ML020250611)

March 14, 2002 NRC letter to Mr. John P. Wolflin, U.S. Fish and Wildlife Service, responding to scoping comments regarding license renewal for the Surry and North Anna Power Stations (Accession Nos. ML020740498 and ML020230063)

March 15, 2002 NRC letter to Mr. David A. Christian, VEPCo, "Request for Comments on the Draft Plant-Specific Supplement 6 to the Generic Environmental Impact Statement Regarding Surry Power Station, Units 1 and 2" (Accession No. ML021060300)

April 3, 2002 NRC letter to the U.S. Environmental Protection Agency, filing a copy of the supplemental environmental impact statement (NUREG-1437, Supplement 6) regarding license renewal for Surry Power Station, Units 1 and 2 (Accession Nos. ML021060405 [letter] and ML021050274 [NUREG package])

April 3, 2002 NRC letter to Mr. David A. Christian, VEPCo, "Notice of Availability of the Draft Plant-Specific Supplement to the Generic Environmental Impact Statement Regarding Surry Power Station, Units 1 and 2" (Accession No. ML021060225)

May 7, 2002 NRC Notice of Public Meeting to Discuss the Draft Environmental Impact Statement for the Surry Power Station, Units 1 and 2, License Renewal (Accession No. ML021210322)

May 22, 2002 Letter from Ms. Karen Mayne of the U.S. Fish and Wildlife Service to NRC providing a list of protected species within the area under evaluation for the Surry and North Anna Power Stations license renewal (Accession No. ML021560147)

June 17, 2002 Summary of May 29, 2002, public meetings to discuss the draft supplemental environmental impact statement for the Surry Power Station, Units 1 and 2, license renewal application (Accession No. ML021720280)

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- July 2, 2002 Letter from Mr. David A. Christian, VEPCo, to NRC, providing comments on the draft environmental impact statement for license renewal for Surry Units 1 and 2 (Accession No. ML021910257)
- July 10, 2002 General comment letter from Michael T. Chezik, U.S. Fish and Wildlife Service's Chesapeake Bay Field Office, regarding Surry Power Station, Units 1 and 2 license renewal (Accession No. ML022210134)
- July 29, 2002 NRC letter to Chief Leo Henry, Mr. Neil Patterson, and Mr. Richard Hill, Tuscarora Nation, "Availability of Draft Plant-Specific Supplements 6 and 7 to the Generic Environmental Impact Statement Regarding the License Renewal for the Surry and North Anna Power Stations" (Accession No. ML022140548)
- September 14, 2002 NRC letter to Dr. Oula Shehab, Virginia Department of Environmental Quality, "Draft Plant-Specific Supplements 6 and 7 to the Generic Environmental Impact Statement Regarding the License Renewal for the Surry and North Anna Power Stations" (Accession No. ML022610691)
- September 30, 2002 Email from Dr. Oula Shehab, Virginia Department of Environmental Quality, providing comments on draft Supplement 6 to the Generic Environmental Impact Statement Regarding the License Renewal for the Surry Power Station (Accession No. ML022830313)
- October 21, 2002 NRC letter to Mr. David A. Christian, VEPCo, "Revision of Schedule For The Review of the North Anna, Units 1 and 2, and Surry, Units 1 and 2, License Renewal Applications" (Accession No. ML022950104)
- November 1, 2002 Note to file docketing emails associated with the staff's biological assessment concerning eagles under license renewal for Surry Power Station, Units 1 and 2 (Accession No. ML02305100)
- November 6, 2002 NRC letter to Mr. John P. Wolflin, U.S. Fish and Wildlife Service, "Biological Assessment For Bald Eagles For License Renewal at Surry Power Station, Units 1 and 2, and Request For Informal Consultation" (Accession No. ML022910160)
- November 6, 2002 Note to file docketing an email from T. Banks, VEPCo, concerning river intake structure screen mesh size for Surry Power Station, Units 1 and 2 (Accession No. ML023100170)

Appendix D

Organizations Contacted

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Organizations Contacted

During the course of the staff's independent review of environmental impacts from operations during the renewal term, the following Federal, State, regional, and local agencies were contacted:

U.S. Fish and Wildlife Service, Annapolis, Maryland

Virginia Department of Historic Resources, Portsmouth, Virginia

Virginia State Historic Preservation Office

Virginia Department of Transportation, Resident Engineer

Virginia Department of Taxation

Virginia Employment Commission

Groundwater Hydrologist, Virginia Department of Environmental Quality

County Administrator, Surry County

Community Development Director, Surry County Department of Planning, Surry, Virginia

Director, Social Services, Surry County

Planning Director, Surry County

Agricultural Extension, Surry County

Associate Superintendent, Surry County School District

Director, Surry County Parks and Recreation Department

Commissioner of Revenue, Surry County

Hope Alternatives (private social service agency in Surry County)

Isle of Wight Social Services Director

Superintendent, School District, Isle of Wight

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Director, Public Utilities Department, Isle of Wight

Director, Isle of Wight Parks and Recreation

Director, Economic Development, Isle of Wight

Director, Smithfield and Isle of Wight Convention and Tourist Bureau

Town Manager, Town of Smithfield

| Tuscarora Nation, Lewiston, New York

Deputy Director, Hampton Roads Planning District Commission

Director, James City County Social Services

Director, James City Service Authority (Water Service)

Director, James City County Economic Development Department

Director, Newport News Waterworks