

use either the latest proprietary version of the test standard or the latest ANSI version of that standard, regardless of whether it is currently recognized for the proprietary or ANSI version. Contact ANSI or the ANSI Web site (<http://www.ansi.org>) and click "NSSN" to find out whether or not a test standard is currently ANSI-approved.

Programs and Procedures

The renewal would include MET's continued use of the following supplemental programs and procedures, based upon the criteria detailed in the March 9, 1995 **Federal Register** notice (60 FR 12980, 3/9/95). This notice lists nine (9) programs and procedures (collectively, programs), eight of which an NRTL may use to control and audit, but not actually to generate, the data relied upon for product certification. An NRTL's initial recognition will always include the first or basic program, which requires that all product testing and evaluation be performed in-house by the NRTL that will certify the product. OSHA has already recognized MET for these programs. See <http://www.osha-slc.gov/dts/otpc/nrtl/met.html>.

Program 2: Acceptance of testing data from independent organizations, other than NRTLs.

Program 3: Acceptance of product evaluations from independent organizations, other than NRTLs.

Program 4: Acceptance of witnessed testing data.

Program 5: Acceptance of testing data from non-independent organizations.

Program 6: Acceptance of evaluation data from non-independent organizations (requiring NRTL review prior to marketing).

Program 7: Acceptance of continued certification following minor modifications by the client.

Program 8: Acceptance of product evaluations from organizations that function as part of the International Electrotechnical Commission Certification Body (IEC-CB) Scheme.

Program 9: Acceptance of services other than testing or evaluation performed by subcontractors or agents.

OSHA developed these programs to limit how an NRTL may perform certain aspects of its work and to permit the activities covered under a program only when the NRTL meets certain criteria. In this sense, they are special conditions that the Agency places on an NRTL's recognition. OSHA does not consider these programs in determining whether an NRTL meets the requirements for recognition under 29 CFR 1910.7. However, these programs help to define the scope of that recognition.

Expansion of Recognition

MET seeks recognition for testing and certification of products for demonstration of conformance to the following two test standards, and OSHA has determined that the standards are "appropriate" within the meaning of 29 CFR 1910.7(c).

UL 924 Emergency Lighting and Power Equipment
UL 1008 Transfer Switch

The NRTL Program staff did not perform an on-site review in connection with the expansion request but reviewed information pertinent to this request and provided a positive recommendation on the expansion (see Exhibit 29-1).

Preliminary Finding

MET has submitted acceptable requests for renewal and expansion of its recognition as an NRTL. Following a review of the application files, and other pertinent information, the NRTL Program staff has concluded that OSHA can grant to MET: (1) the renewal for the one site and the test standards and programs listed above, and (2) the expansion for the additional two test standards, also listed above. The staff therefore recommended to the Assistant Secretary that the applications be preliminarily approved.

Based upon the recommendation of the staff, the Assistant Secretary has made a preliminary finding that MET Laboratories, Inc., can meet the requirements as prescribed by 29 CFR 1910.7 for the renewal and expansion of its recognition.

OSHA welcomes public comments, in sufficient detail, as to whether MET has met the requirements of 29 CFR 1910.7 for the renewal and expansion of its recognition as a Nationally Recognized Testing Laboratory. Your comment should consist of pertinent written documents and exhibits. To consider it, OSHA must receive the comment at the address provided above (see **ADDRESSES**), no later than the last date for comments (see **DATES** above). Should you need more time to comment, OSHA must receive your written request for extension at the address provided above (also see **ADDRESSES**) no later than the last date for comments (also see **DATES** above). You must include your reason(s) for any request for extension. OSHA will limit an extension to 30 days, unless the requester justifies a longer period. We may deny a request for extension if it is frivolous or otherwise unwarranted. You may obtain or review copies of MET's requests, the on-site review report, other exhibits, and all submitted comments, as received, by

contacting the Docket Office, Room N2625, Occupational Safety and Health Administration, U.S. Department of Labor, at the above address. You should refer to Docket No. NRTL1-88, the permanent record of public information on MET's recognition.

The NRTL Program staff will review all timely comments and, after resolution of issues raised by these comments, will recommend whether to grant MET's renewal and expansion requests. The Assistant Secretary will make the final decision on granting the renewal and expansion and, in making this decision, may undertake other proceedings that are prescribed in Appendix A to 29 CFR 1910.7. OSHA will publish a public notice of this final decision in the **Federal Register**.

Signed at Washington, DC, this 3rd day of April, 2002.

John L. Henshaw,

Assistant Secretary.

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NUCLEAR REGULATORY COMMISSION

[Docket Nos. STN 50-454, STN 50-455, STN 50-456 and STN 50-457]

Exelon Generation Company, LLC; Byron Station, Unit Nos. 1 AND 2, Braidwood Station, Unit Nos. 1 AND 2; Environmental Assessment and Finding of No Significant Impact; Related to a Proposed License Amendment to Revise Fuel Centerline Temperature Safety Limit

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an amendment for Facility Operating License Nos. NPF-37, NPF-66, NPF-72, and NPF-77, issued to Exelon Generation Company, LLC, (Exelon or the licensee), for operation of the Byron Station, Unit Nos. 1 and 2, located in Ogle County, Illinois and Braidwood Station, Unit Nos. 1 and 2, located in Will County, Illinois. Therefore, as required by 10 CFR 51.21, the NRC is issuing this environmental assessment and finding of no significant impact.

Environmental Assessment

Identification of Proposed Action

The proposed action would revise the reactor core safety limit for peak fuel centerline temperature from less than or equal to 4700 °F to the design-basis fuel centerline melt temperature of less than 5080 °F, for unirradiated fuel, decreasing by 58 °F per 10,000 Megawatt-Days per Metric Tonne

Uranium (MWD/MTU) burnup. The increase in the fuel centerline temperature limit is to accommodate higher burnup of these fuel rods to exceed the licensing basis commitment rod-average burnup limit. The licensee requested that the licensing basis commitment limiting the fuel rod-average burnup to 60,000 MWD/MTU be revised to increase the rod-average burnup limit for only high burnup lead test assemblies (LTAs) to 69,000 MWD/MTU for Byron, Unit 2 Cycle 10, and 75,000 MWD/MTU for both stations for future campaigns. The burnup limits are not part of the technical specifications, but are limited by the fuel centerline temperature.

The proposed action is in accordance with the licensee's application dated September 21, 2001, as supplemented by letter dated January 31, 2002, requesting NRC to provide an amendment to the technical specification (TS) for Byron Station, Units 1 and 2, and Braidwood Station, Units 1 and 2.

The Need for the Proposed Action

Two LTAs are currently in use in Byron, Unit 2, Cycle 10. These LTAs are composed of low-tin ZIRLO cladding and fuel pin spring clips, and higher density fuel pellets. Additionally, one of the LTAs was modified to include four fuel rods which have been previously burned during two cycles to 45,750 MWD/MTU. Following irradiation during a third cycle, the four rods will have a projected burnup of approximately 69,000 MWD/MTU. Irradiation of these four fuel rods to a higher burnup will provide data on fuel and materials performance that will support industry goals of extending the current fuel burnup limits and will provide data to address NRC questions related to fuel performance behavior at high burnups. The data will also help confirm the applicability of nuclear design and fuel performance models at high burnups.

The proposed irradiation of this fuel assembly does not require a change to the TS. However, the planned additional cycle of operation for the high burnup fuel rods will result in burnup levels exceeding the rod-average burnup limit of 60,000 MWD/MTU for that LTA (which is the design limit for the use of Zircaloy or ZIRLO clad fuel in Byron and Braidwood approved in amendments 78 and 70 respectively).

Environmental Impacts of the Proposed Action

Background

In its previous environmental assessments concerning fuel burnup, the Commission relied on the results of a study conducted by the NRC by Pacific Northwest National Laboratories (PNNL). The results of the study were documented in detail in the report, "Assessment of the Use of Extended Burnup Fuels in Light Water Power Reactors" (NUREG/CR-5009, PNL-6258, February 1988). The overall findings of this study showed there were no significant adverse effects generated by increasing the batch-average burnup level of 33,000 MWD/MTU to 50,000 MWD/MTU or above as long as the maximum rod average burnup level of any fuel rod was no greater than 60,000 MWD/MTU. Furthermore, based on the above study and the report, "The Environmental Consequences of Higher Fuel Burn-up," (AIF/NESP-032), issued by the Atomic Industrial Forum, the NRC staff concluded that the environmental impacts summarized in Table S-3 of 10 CFR 51.51 and in Table S-4 of 10 CFR 51.52 for a burnup level of 33,000 MWD/MTU are conservative and bound the corresponding impacts for burnup levels up to 60,000 MWD/MTU and uranium-235 enrichments up to 5 percent by weight.¹

In this environmental assessment regarding the impacts of the use of extended burnup fuel beyond 60,000 MWD/MTU, the Commission is relying on the results of another study conducted for it by PNNL entitled, "Environmental Effects of Extending Fuel Burnup Above 60 GWd/MTU," (NUREG/CR-6703, PNL-13257, January 2001). This report represents an update to NUREG/CR-5009. Although the study evaluated the environmental impacts of high burnup fuel up to 75,000 MWD/MTU, certain aspects of the review were limited to evaluating the impacts of extended burnup up to 62,000 MWD/MTU because of data available to support these findings. During the study, all aspects of the fuel-cycle were considered, from mining, milling, conversion, enrichment and fabrication through normal reactor operation, transportation, waste management, and storage of spent fuel.

Environmental Impacts

The NRC has completed its evaluation of the proposed action and concludes

that there are no significant environmental impacts associated with irradiation of the four fuel rods in assembly M09E to a burnup of 69,000 MWD/MTU. The following is a summary of the staff's evaluation:

The extended burnup rods in the LTA will have a different radionuclide mix than the rest of the core. The activities of short-lived fission products will tend to remain constant or decrease slightly, while activities associated with activation products and actinides tend to increase with increasing burnup. As discussed in Attachment D to the September 21, 2001, amendment request, although there are variations in core inventories of isotopes due to extended burnup, there are no significant increases of isotopes that are major contributors to accident doses. In addition, the four fuel rods in the LTA will only contribute a very small variation in the isotopic population of the core. Thus, with extended burnup of the LTA, no significant increase in the release of radionuclides to the environment is expected during normal operation. In addition, no change is being requested by Exelon in the licensed technical specifications pertaining to allowed cooling-water activity concentrations. If leakage of radionuclides from the extended burnup LTA occurs during operation, then the radioactive material is expected to be removed by the plant cooling water cleanup system.

As discussed in Attachment D to the September 21, 2001, amendment request, the proposed changes will not result in changes in the operation or configuration of the facility. There will be no change in the level of controls or methodology used for processing radioactive effluents or handling solid radioactive waste, nor will the proposal result in any change in the normal radiation levels within the plant. Accordingly, the impacts on workers and the general population would not be significant because of the small radiological effect of the four extended burnup rods in the LTA.

Environmental Impacts of Potential Accidents

Accidents that involve the damage or melting of the fuel in the reactor core and spent-fuel handling accidents were also evaluated in NUREG/CR-6703. The accidents considered were a loss-of-coolant accident (LOCA), a steam generator tube rupture, and a fuel-handling accident.

For LOCAs, an appreciable amount or all of the fuel melts and a portion of the fission products and aerosols are released from the containment system

¹ See "Extended Burnup Fuel Use in Commercial LWRs; Environmental Assessment and Finding of No Significant Impact," 53 FR 6040, February 29, 1988.

into the biosphere. The increase in the consequences of a postulated LOCA are not appreciable because of the small number of rods exceeding 60,000 MWD/MTU.

The pressurized-water reactor (PWR) steam generator tube rupture accident involves direct release of radioactive material from the contaminated reactor coolant to the environment. As discussed previously, no change is being requested by Exelon in the licensed technical specifications pertaining to allowed cooling-water activity concentrations. The maximum coolant activity is regulated through technical specifications that are independent of fuel burnup. This accident scenario has been addressed acceptably by the licensee, and the consequences have been determined to comply with the Commission's regulations.

The scenario used in evaluating potential fuel-handling accidents involves a direct release of gap activity to the environment. The gap activity of concern is based on guidance in Regulatory Guide 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors," and NUREG-1465, "Accident Source Terms for Light-Water Nuclear Power Plants," and consists primarily of the noble gases, iodines, and cesiums. The only isotopes that contribute significant fractions of the committed effective dose equivalent and thyroid doses are ^{131}I and ^{134}Cs . Similarly, the only isotopes that contribute significant fractions of the deep dose are ^{132}I and ^{133}Xe . Even though the iodine inventory decreases with increasing burnup, the potential doses from fuel-handling accidents increase with fuel burnup because of increased gap-release fraction. However, because of the small number of rods exceeding 60,000 MWD/MTU, the staff concludes that the dose resulting from a fuel-handling accident involving the LTA would remain below regulatory limits.

Environmental Impacts of Transportation

The environmental effects of incident-free spent fuel transportation were also evaluated in NUREG/CR-6703. Incident-free transportation refers to transportation activities in which the shipments of radioactive material reach their destination without releasing any radioactive cargo to the environment. The vast majority of radioactive shipments are expected to reach their destination without experiencing an accident or incident, or releasing any cargo. The incident-free impacts from

these normal, routine shipments arise from the low levels of radiation that are emitted externally from the shipping container. Although Federal regulations in 10 CFR Part 71 and 49 CFR Part 173 impose constraints on radioactive material shipments, some radiation penetrates the shipping container and exposes nearby persons to low levels of radiation. Based on the realistic analysis presented in NUREG/CR-6703, the staff concludes that doses associated with incident-free transportation of spent fuel with burnup to 75,000 MWD/MTU are bounded by the doses given in 10 CFR 51.52, Table S-4, for all regions of the country if dose rates from the shipping casks are maintained within regulatory limits.

Additionally, the environmental effects of spent fuel transportation accidents were also evaluated in NUREG/CR-6703. Accident risks are the product of the likelihood of an accident involving a spent-fuel shipment and the consequences of a release of radioactive material resulting from the accident. The consequences of such a transportation accident are represented by the population dose from a release of radioactive material, given that an accident occurs that leads to a breach in the shipping cask's containment systems. The consequences are a function of the total amount of radioactive material in the shipment, the fraction that escapes from the shipping cask, the transport of radioactive material to humans, and the characteristics of the exposed population. Considering the uncertainties in the data and computational methods, the overall changes in transportation accident risks due to increasing fuel burnup of the four fuel rods in the LTA are not significant. Because of the small number of rods exceeding 60,000 MWD/MTU in the LTA, the doses resulting from a spent fuel transportation accident will remain below regulatory limits, and no significant increase in the environmental effects of spent-fuel transportation accidents are expected.

Non-Radiological Impacts

With regard to potential non-radiological impacts, the proposed action does not have a potential to affect any historic sites. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Summary

Based on the staff's independent assessment discussed above, the NRC

concludes that there are no significant adverse environmental impacts associated with the increase to the fuel centerline temperature limit and the irradiation of the four fuel rods to a burnup of 69,000 MWD/MTU.

Environmental Impacts of the Alternatives to the Proposed Action

As an alternative to the proposed action, the staff considered denial of the proposed action (i.e., the "no action" alternative). Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar. However, it would deny to the licensee and the NRC operational data on the performance of fuel at extended burnup conditions.

Alternative Use of Resources

The action does not involve the use of any different resources than those previously considered in the Final Environmental Statement for the Byron Station, Unit Nos. 1 and 2 (dated April 30, 1982), and Braidwood Station, Unit Nos. 1 and 2 (dated June 30, 1984).

Agencies and Persons Consulted

On March 20, 2002, the staff consulted with the Illinois State official, Mr. Joe Brittin, of the Illinois Department of Nuclear Safety, regarding the environmental impact of the proposed action. The State official had no comments.

Finding of No Significant Impact

On the basis of the foregoing environmental assessment, the NRC staff concludes that permitting a change to the fuel centerline temperature, which would, in turn, permit irradiation of the four fuel rods to a burnup of 69,000 MWD/MTU, will not have a significant effect on the quality of the human environment. Accordingly, the NRC has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated September 21, 2001, as supplemented by letter dated January 31, 2002. Documents may be examined, and/or copied for a fee, at the NRC Public Document Room, located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible electronically from the ADAMS Public Library component of NRC's Web site, <http://www.nrc.gov> (the Public Electronic Reading Room). If you do not have access to ADAMS or if there are problems in accessing the

documents located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1 (800) 397-4209, or (301) 415-4737, or by e-mail to pdr@nrc.gov.

Dated at Rockville, Maryland, this 5th day of April, 2002.

For the Nuclear Regulatory Commission.

Anthony J. Mendiola,

*Chief, Section 2, Project Directorate III,
Division of Licensing Project Management,
Office of Nuclear Reactor Regulation.*

[FR Doc. 02-8792 Filed 4-10-02; 8:45 am]

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NUCLEAR REGULATORY COMMISSION

Change in Proficiency Testing Standard for Processors of Personal Dosimeters

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice of change of proficiency testing standard.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) and the National Institute of Standards and Technology (NIST), U.S. Department of Commerce, began a joint effort in 1981, through an Interagency Agreement, to provide an accreditation program for processors of personnel dosimeters. That accreditation program, which is part of the Technology Administration of the U.S. Department of Commerce, is known as the National Voluntary Laboratory Accreditation Program (NVLAP) for Ionizing Radiation Dosimetry and is referred to as NIST/NVLAP. The purpose of this notice is to: (1) Acknowledge publication of a revised proficiency testing standard for personnel dosimetry performance by NIST/NVLAP; (2) inform the public and dosimetry processors of this action; and (3) identify significant changes in the standard.

EFFECTIVE DATE: April 11, 2002.

FOR FURTHER INFORMATION, CONTACT:

Betty Ann Torres, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, telephone 301-415-0191, e-mail: BAT@nrc.gov, or Carroll S. Brickenkamp, National Institute of Standards and Technology, Department of Commerce, NVLAP, Building 820, Room 286, Gaithersburg, MD 20899, telephone 301-975-4291, e-mail: cbrickenkamp@nist.gov.

SUPPLEMENTARY INFORMATION: NRC's regulations (10 CFR 20.1501) require that personnel dosimeters that need to be processed to determine dose must be

processed and evaluated by a dosimetry processor that holds current personnel dosimetry accreditation from the NIST/NVLAP. Proficiency testing, currently required as part of the NIST/NVLAP accreditation process for Ionizing Radiation Dosimetry, is based on the standard issued by the American National Standard Institute (ANSI) and the Health Physics Society (HPS) for personnel dosimetry performance, ANSI/HPS N13.11-1993, as modified by NVLAP Bulletin Volume II, No. 1, "DOSIMETRY" (January, 1995). The bulletin modifies dose equivalent conversion factors (C_k) found in Tables 2, 3, and C3 of ANSI/HPS N13.11-1993.

A revision of ANSI/HPS N13.11-1993 was approved by the American National Standards Institute, Inc. in July 2001, and published as ANSI/HPS N13.11-2001 in October 2001. A copy of the revised standard is available for a fee from the Health Physics Society at the following internet address: <http://www.hps.org>.

The revision: (1) Adopts the conversion coefficients for photons issued by NVLAP Bulletin Volume II, No. 1, "DOSIMETRY" (January, 1995); (2) reduces the number of test categories, based on radiation type and energy spectrum, from nine to six; (3) increases the number of possible radiation sources for test categories to which dosimeters can be exposed during testing; (4) lowers the permitted tolerance for all non-accident categories; (5) adds an angle test to the photon category; and (6) limits the number of individual dosimeters tested that is permitted to exceed the tolerance level for non-accident, non-neutron categories.

NVLAP has determined that the revised standard, ANSI/HPS N13.11-2001, will be implemented in the accreditation process as published. Contact Carroll Brickenkamp of NIST/NVLAP for information regarding the implementation of the revised standard, ANSI/HPS N13.11-2001.

Dated at Rockville, Maryland, this 4th day of April, 2002.

For the Nuclear Regulatory Commission.

Donald A. Cool,

Director, Division of Industrial and Medical Nuclear Safety, Office of Nuclear Material Safety and Safeguards.

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SECURITIES AND EXCHANGE COMMISSION

Extension: Rule 17Ac3-1(a) and Form TA-W; SEC File No. 270-96; OMB Control No. 3235-0151.

Proposed Collection; Comment Request

Upon written request, copies available from: Securities and Exchange Commission, Office of Filings and Information Services, Washington, DC 20549.

Notice is hereby given that pursuant to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*) the Securities and Exchange Commission ("Commission") is soliciting comments on the collection of information summarized below. The Commission plans to submit this existing collection of information to the Office of Management and Budget for extension and approval.

Subsection (c)(3)(C) of Section 17A of the Securities Exchange Act of 1934 ("Exchange Act") authorizes transfer agents registered with an appropriate regulatory agency ("ARA") to withdraw from registration by filing with the ARA a written notice of withdrawal and by agreeing to such terms and conditions as the ARA deems necessary or appropriate in the public interest, for the protection of investors, or in the furtherance of the purposes of Section 17A.

In order to implement Section 17A(c)(3)(C) of the Exchange Act the Commission, on September 1, 1977, promulgated Rule 17Ac3-1(a) and accompanying Form TA-W. Rule 17Ac3-1(a) provides that notice of withdrawal from registration as a transfer agent with the Commission shall be filed on Form TA-W. Form TA-W requires the withdrawing transfer agent to provide the Commission with certain information, including (1) the locations where transfer agent activities are or were performed; (2) the reasons for ceasing the performance of such activities; (3) disclosure of unsatisfied judgments or liens; and (4) information regarding successor transfer agents.

The Commission uses the information disclosed on Form TA-W to determine whether the registered transfer agent applying for withdrawal from registration as a transfer agent should be allowed to deregister and, if so, whether the Commission should attach to the granting of the application any terms or conditions necessary or appropriate in the public interest, for the protection of investors, or in furtherance of the purposes of Section 17A of the Exchange Act. Without Rule 17Ac3-1(a) and Form TA-W, transfer agents