

## NUCLEAR REGULATORY COMMISSION

[Docket Nos. 50-317 and 50-318]

### Calvert Cliffs Nuclear Power Plant, Inc.; Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2; Environmental Assessment and Finding of No Significant Impact

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an exemption from certain requirements of Appendix G to Part 50 of Title 10 of the Code of Federal Regulations (10 CFR Part 50) for Renewed Facility Operating License Nos. DPR-53 and DPR-69, issued to Calvert Cliffs Nuclear Power Plant, Inc. (CCNPP) or the licensee) for operation of the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 (CCNPP), located in Calvert County, Maryland.

#### Environmental Assessment

##### Identification of the Proposed Action

Appendix G to Part 50 of Title 10 of the Code of Federal Regulations (10 CFR Part 50) requires that pressure-temperature (P-T) limits be established for reactor pressure vessels (RPVs) during normal operating and hydrostatic or leak rate testing conditions. Specifically, 10 CFR Part 50, Appendix G, states, "The appropriate requirements on both the pressure-temperature limits and the minimum permissible temperature must be met for all conditions." Appendix G of 10 CFR Part 50 goes on to specify that the requirements for these limits are the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI, Appendix G, limits.

The licensee requested in its submittal dated September 14, 2000, that the staff exempt CCNPP from the specific requirement of Appendix G to 10 CFR Part 50 that the P-T limits meet the safety margin requirements specified in the ASME Code, Section XI, Appendix G and instead use an alternate fracture toughness curve shown in the ASME Code, Section XI, Appendix A as permitted by ASME Code Case N-640. Code Case N-640 permits the use of an alternate reference fracture toughness ( $K_{IC}$  fracture toughness curve instead of  $K_{Ia}$  fracture toughness curve) for reactor vessel materials in determining the P-T limits. Since the  $K_{IC}$  fracture toughness curve shown in ASME Code, Section XI, Appendix A, Figure A-2200-1 (the  $K_{IC}$  fracture toughness curve) provides greater allowable fracture toughness than the corresponding  $K_{Ia}$  fracture

toughness curve of ASME Code, Section XI, Appendix G, Figure G-2210-01, using Code Case N-640 for establishing the P-T limits would be less conservative than the methodology currently endorsed by 10 CFR Part 50, Appendix G, and therefore, an exemption to apply the Code Case would be required.

The proposed action is in accordance with the licensee's application for exemption dated September 14, 2000.

##### The Need for the Proposed Action

Because the RCS P-T operating window is defined by the P-T operating and test limit curves developed in accordance with the ASME Code, Section XI, Appendix G, procedure, continued operation of CCNPP with the present P-T curves without the relief provided by ASME Code Case N-640 would unnecessarily require the RPVs to maintain a temperature exceeding 212 °F in a limited operating window during the pressure test. Consequently, steam vapor hazards would continue to be one of the safety concerns for personnel conducting inspections in primary containment. Implementation of the proposed P-T curves, as allowed by ASME Code Case N-640, does not significantly reduce the margin of safety and would eliminate steam vapor hazards by allowing inspections in primary containment to be conducted at a lower coolant temperature.

10 CFR 50.60(b) allows proposed alternatives to the requirements of Appendix G to be used when an exemption is granted by the Commission under 10 CFR 50.12.

In the request for exemption to use Code Case N-640, the staff has determined that, pursuant to 10 CFR 50.12(a)(2)(ii), the underlying purpose of the regulation will continue to be served by the implementation of this Code Case.

##### Environmental Impacts of the Proposed Action

The NRC has completed its evaluation of the proposed action and concludes that the exemption described above would provide an adequate margin of safety against brittle failure of the CCNPP RPVs.

The proposed action will not significantly increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in occupational or public radiation exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

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

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action.

##### 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.

##### Alternative Use of Resources

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, dated April 1984.

##### Agencies and Persons Consulted

In accordance with its stated policy, on January 31, 2001, the staff consulted with the Maryland State official, R. McLean of the Maryland Department of Natural Resources, regarding the environmental impact of the proposed action. The State official had no comments.

##### Findings of No Significant Impact

On the basis of the environmental assessment, the NRC concludes that the proposed action 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 14, 2000, which is available for public inspection 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 on the NRC Web site, <http://www.nrc.gov> (the Electronic Reading Room).

Dated at Rockville, Maryland, this 2nd day of February 2001.

For the Nuclear Regulatory Commission.

**Donna Skay,**

*Project Manager, Section 1, Project Directorate I, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.*

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## OFFICE OF MANAGEMENT AND BUDGET

### Public Availability of Year 2000 Agency Inventories Under the Federal Activities Inventory Reform Act of 1998 (Public Law 105-270) ("FAIR Act")

**AGENCY:** Office of Management and Budget, Executive Office of the President.

**ACTION:** Notice of public availability of commercial activities inventories.

**SUMMARY:** Commercial Activities Inventories are now available to the public from the agencies listed below, in accordance with the "Federal Activities Inventory Reform Act of 1998" (Public Law 105-270) ("FAIR Act"). This is the third and final notification of the release of the 2000 FAIR Act inventories. In addition, the Office of Federal Procurement Policy has prepared and has made available a summary FAIR Act User's Guide through its Internet site: <http://www.whitehouse.gov/OMB/procurement/index.html>. This User's Guide will help interested parties review 2000 FAIR Act inventories, and will also include the web-site addresses to access agency inventories.

The FAIR Act requires that OMB publish an announcement of public availability of agency Commercial Activities Inventories upon completion of OMB's review and consultation process concerning the content of the agencies' inventory submissions. OMB has now completed this process for the year 2000.

The attached Commercial Activities Inventories are now available.

**Mitchell E. Daniels, Jr.,**

*Director.*

Attachment.

### Agency Contact

Department of Agriculture (OIG): Del Thornsby, 202-720-4414; Website: [www.usda.gov/oig](http://www.usda.gov/oig)

American Battle Monuments Commission: Anthony Corea, 703-696-6898; Website: [www.usabmc.com](http://www.usabmc.com)

Arlington National Cemetery: Rory Smith, 703-614-5060; Website: [www.arlingtoncemetery.org/](http://www.arlingtoncemetery.org/)

Armed Forces Retirement Home: Rick Coleman, 202-730-3504; Website: [www.afrh.com/FY00FAIR.htm](http://www.afrh.com/FY00FAIR.htm)

Central Intelligence Agency: CIA Office of Public Affairs, 703-482-0623; No website available.

Department of Defense: Paul Solomon, 703-917-7431; Website: <http://gravity.lmi.org/dodfair>

Department of Defense (OIG): Wayne Berry, 703-604-8789; Website: [www.dodig.osd.mil](http://www.dodig.osd.mil)

Defense Nuclear Facilities Standard Board: Andrew Thibadeau, 202-694-7000; Website: [www.dnfsb.gov](http://www.dnfsb.gov)

Department of Energy: Mark R. Hively, 202-586-5655; Website: [www.pr.doe.gov/a76.htm](http://www.pr.doe.gov/a76.htm)

Farm Credit Administration: Phillip Shebest, 703-883-4146; Website: [www.fca.gov](http://www.fca.gov)

Federal Communications Commission: Mark Reger, 202-418-1925; Website: [www.fcc.gov/omd/Reports/Fairact.doc](http://www.fcc.gov/omd/Reports/Fairact.doc)

Federal Communications Commission (OIG): H. Walker Feaster, III, 202-418-1925; Website: [www.fcc.gov/oig/#annual](http://www.fcc.gov/oig/#annual)

Federal Energy Regulatory Commission: Donald Shamley, 202-208-1088; Website: [www.ferc.fed.us](http://www.ferc.fed.us)

Federal Financial Institutions Examinations Council Appraisal Subcommittee: Marc L. Weinberg, 202-872-7520; Website: [www.asc.gov](http://www.asc.gov)

Federal Housing Finance Board: David A. Lee, 202-408-2514; Website: [www.fhfb.gov](http://www.fhfb.gov)

Federal Maritime Commission: Bruce Dombrowski, 202-523-5800; Website: [www.fmc.gov](http://www.fmc.gov)

Federal Trade Commission: Elliott Davis, 202-326-2022; Website: [www.ftc.gov](http://www.ftc.gov)

Department of Housing and Urban Development (OIG): Stanley J. McLeod, 202-708-3444, ext. 156; Website: [www.hud.gov/oig/oigindex.html](http://www.hud.gov/oig/oigindex.html)

Department of the Interior: Jennings Wong, 202-208-6704; Website: [www.ios.doi.gov/pam/pamhome.html](http://www.ios.doi.gov/pam/pamhome.html)

Department of the Interior (OIG): Richard Farr, 202-208-4599; Website: [www.oig.doi.gov](http://www.oig.doi.gov)

Department of Justice: Larry Silvis, 202-616-3754; Website: <http://www.usdoj.gov/jmd/pe/preface.htm>

Department of Labor: Al Stewart, 202-693-4021; Website: [www.dol.gov](http://www.dol.gov)

Morris Udall Foundation: Chris Helms, 520-670-5299; Website: [www.Udall.gov](http://www.Udall.gov)

National Aeronautics and Space Administration (OIG): Charles Heaton, 202-358-2561; Website: [www.hq.nasa.gov/fair/](http://www.hq.nasa.gov/fair/)

National Archives and Records Administration: Lori Lasowski 301-

713-7360, ext. 257; Website: [www.nara.gov/nara/co\\_farep](http://www.nara.gov/nara/co_farep)  
National Archives and Records Administration (OIG): James Springs, 301-713-7300, ext. 224; Website: [www.nara.gov](http://www.nara.gov)

National Capital Planning Commission: BeLinda Hollman, 202-482-7200; Website: [www.ncpc.gov](http://www.ncpc.gov)

National Credit Union Administration: Jared Barlage, 202-416-8721; Website: [www.ncua.gov](http://www.ncua.gov)

National Endowment of the Humanities: Barry Maynes, 202-606-8233; Website: [www.neh.gov](http://www.neh.gov)

National Transportation Safety Board: Bill Love, 202-314-6088; Website: [www.nts.gov/acquire/NTSB\\_MN.htm](http://www.nts.gov/acquire/NTSB_MN.htm)

Nuclear Regulatory Commission: Ronald Thompson, 301-415-6732; Website: [www.nrc.gov/ADM/CONTRACT/contract.html](http://www.nrc.gov/ADM/CONTRACT/contract.html)

Nuclear Regulatory Commission (OIG): David C. Lee, 301-415-5930; Website: [www.nrc.gov/nrc/oig/fair/index.html](http://www.nrc.gov/nrc/oig/fair/index.html)

Nuclear Waste Technical Review Board: Dr. William Barnard, 703-235-4473; Website: [www.nwtrb.gov](http://www.nwtrb.gov)

Office of Navaho and Hopi Indian Relocation: Michael J. McAlister, 520-779-2721; No website available

Securities and Exchange Commission: Jayne Seidman, 202-942-4000; Website: [www.sec.gov](http://www.sec.gov)

Selective Service System: Calvin Montgomery, 703-605-4038; Website: [www.sss.gov](http://www.sss.gov)

Small Business Administration: Theodore Wartell, 202-205-7307; Website: [www.sba.gov](http://www.sba.gov)

Small Business Administration (OIG): Bridget Bean, 202-205-6580; Website: [www.sba.gov/ig](http://www.sba.gov/ig)

Social Security Administration: Phil Kelly, 410-965-4656; Website: [www.ssa.gov/budget](http://www.ssa.gov/budget)

Department of State: Robert McFadden, 202-647-7780; Website: [www.state.gov/www/dept/fmp/related\\_sites.html](http://www.state.gov/www/dept/fmp/related_sites.html)

Department of Transportation: Bill Moga, 202-366-9666; Website: [www.dot.gov](http://www.dot.gov)

Department of Transportation (OIG): Sam Davis, 202-366-1444; Website: [www.oig.dot.gov](http://www.oig.dot.gov)

Department of the Treasury: Kevin Whitfield, 202-622-0248; Website: <http://www.treas.gov/fair>

Department of the Treasury (OIG): Primary: Robert Hardos, 202-927-5200, Secondary: Donna Ching, 202-927-5374; Website: [www.treas.gov/fair/2000/oig2000.pdf](http://www.treas.gov/fair/2000/oig2000.pdf)

Department of the Treasury (Tax): Agapi Doulaveris, 202-622-3968; Website: [www.treas.gov/fair/2000/index.html](http://www.treas.gov/fair/2000/index.html)