

**UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION**

ATOMIC SAFETY AND LICENSING BOARD PANEL

Before the Licensing Board:

E. Roy Hawkens, Chair
Dr. Michael F. Kennedy
Dr. William C. Burnett

In the Matter of)	
)	
)	Docket Nos. 52-040 and 52-041
Florida Power & Light Company)	ASLBP No. 10-903-02-COL-BD01
)	
Turkey Point,)	
Units 6 and 7)	July 9, 2012
_____)	

**INTERVENORS' MOTION FOR LEAVE TO FILE A NEW CONTENTION
CONCERNING TEMPORARY STORAGE AND ULTIMATE DISPOSAL OF
NUCLEAR WASTE AT TURKEY POINT NUCLEAR POWER PLANT**

I. INTRODUCTION

Pursuant to 10 C.F.R. §§ 2.309(f)(1) and 2.309(f)(2), Southern Alliance for Clean Energy, National Parks Conservation Association, Dan Kipnis, and Mark Oncavage (collectively, "Intervenors") seek leave to file a new contention which challenges the failure of the Turkey Point Units 6 & 7 Combined License ("COL") Application, Environmental Report, Rev. 3 (the "ER") to address the environmental impacts of spent fuel pool leakage and fires as well as the environmental impacts that may occur if a spent fuel repository does not become available. The contention is based on the United States Court of Appeals for the District of Columbia Circuit's recent decision in *State of New York v. NRC*, No. 11-1045 (June 8, 2012), which invalidated the Nuclear Regulatory Commission's ("NRC") Waste Confidence Decision Update (75 Fed. Reg. 81,037 (Dec. 23, 2010)) ("WCD") and the NRC's final rule regarding

Consideration of Environmental Impacts of Spent Fuel After Cessation of Reactor Operation (75 Fed. Reg. 81,032 (Dec. 23, 2010)) (“Temporary Storage Rule” or “TSR”). *State of New York* vacated the generic findings in 10 C.F.R. § 51.23(a) regarding the safety and environmental impacts of spent fuel storage. As a result, the NRC no longer has any legal basis for Section 51.23(b), which relies on those findings to exempt both the agency staff and license applicants from addressing long-term spent fuel storage impacts in individual licensing proceedings.

Intervenors recognize that because the mandate has not yet issued in *State of New York*, this contention may be premature. Nevertheless, Intervenors are submitting the contention within 30 days of becoming aware of the court’s ruling, in light of Commission precedents judging the timeliness of motions and contentions according to when petitioners became aware of a decision’s potential effect on their interests. *Duke Energy Corp.* (McGuire Nuclear Station, Units 1 and 2; Catawba Nuclear Station, Units 1 and 2), CLI-02-28, 56 NRC 373, 386 (2002). If the Atomic Safety and Licensing Board determines that this contention is premature, Intervenors request that consideration of the contention be held in abeyance pending issuance of the mandate.

II. FACTUAL BACKGROUND

In 1984, the NRC issued its first WCD, making findings regarding the safety of spent fuel disposal and the safety and environmental impacts of spent fuel storage. Over the several decades that have passed since then, the NRC has updated the WCD. The latest update was issued in December 2010. On June 8, 2012, the U.S. Court of Appeals for the D.C. Circuit took review of the NRC’s 2010 WCD Update and TSR and vacated those rules in their entirety. In the course of reviewing the WCD Update, the court found that the WCD is a “major federal action” under the National Environmental Policy Act (“NEPA”), therefore requiring either a

finding of no significant impact (“FONSI”) or an environmental impact statement (“EIS”). *Id.*, slip op. at 8. The court also found it was “eminently clear that the WCD will be used to enable licensing decisions based on its findings” because the WCD “renders uncontestable general conclusions about the environmental effect of plant licensure that will apply in every licensing decision.” *Id.*, slip op. at 9 (citing 10 C.F.R. § 51.23(b)).

With respect to the WCD’s conclusions regarding spent fuel disposal, the court observed that the NRC has “no long-term plan other than hoping for a geologic repository” and that spent reactor fuel “will seemingly be stored on site at nuclear plants on a permanent basis” if the government “continues to fail in its quest” to site a permanent repository. *Id.*, slip op. at 13. Thus, the court concluded that the WCD “must be vacated” with respect to its conclusion in Finding 2 that a suitable spent fuel repository will be available “when necessary.” *Id.*, slip op. at 11. In order to comply with NEPA, the court found that the NRC must “examine the environmental effects of failing to establish a repository.” *Id.*, slip op. at 12.

With respect to the TSR’s conclusions regarding the environmental impacts of temporary storage of spent reactor fuel at reactor sites, the court concluded that the NRC’s environmental assessment (“EA”) and FONSI issued as part of the TSR “are not supported by substantial evidence on the record” in two respects. First, the NRC had reached a conclusion that the environmental impacts of spent fuel pool leaks will be insignificant, based on an evaluation of past leakage. The court concluded that the past incidence of leaks was not an adequate predictor of leakage thirty years hence, and therefore ordered the NRC to examine the risks of spent fuel pool leaks “in a forward-looking fashion.” *Id.*, slip op. at 14. In addition, the court found that the NRC’s analysis of the environmental impacts of pool fires was deficient because it examined only the probability of spent fuel pool fires and not their consequences. *Id.*, slip op. at 18-19.

“Depending on the weighing of the probability and the consequences,” the court observed, “an EIS may or may not be required.” *Id.*, slip op. at 19.

In remanding the WCD Update and the TSR to the NRC, the court purposely did not express an opinion regarding whether an EIS would be required or an EA would be sufficient. Instead, it left that determination up to the discretion of the NRC. *Id.*, slip op. at 12, 20.

III. CONTENTION

A. Statement of the Contention

The Environmental Report for Turkey Point Units 6 & 7 does not satisfy NEPA because it does not include a discussion of the environmental impacts of spent fuel storage after cessation of operation, including the impacts of spent fuel pool leakage, spent fuel pool fires, and failing to establish a spent fuel repository, as required by the U.S. Court of Appeals in *State of New York v. NRC*, No. 11-1045 (June 8, 2012). Therefore, unless and until the NRC conducts such an analysis, no license may be issued.

B. The Contention Satisfies the NRC’s Admissibility Requirements in 10 C.F.R. § 2.309(f)(1)

1. Brief Summary of the Basis for the Contention

The contention is based on the United States Court of Appeals for the District of Columbia Circuit’s decision in *State of New York v. NRC*, which invalidated the NRC’s generic findings in 10 C.F.R. § 51.23(a) regarding the safety and environmental impacts of spent fuel storage after cessation of reactor operation with respect to spent fuel pool leakage, pool fires, and the environmental impacts of failing to establish a repository. As a result, the NRC no longer has any legal basis for Section 51.23(b), which relies on those findings to exempt both the agency staff and license applicants from addressing spent fuel storage impacts in individual

licensing proceedings. To the extent that the ER addresses spent fuel storage impacts, it does not address the concerns raised by the Court in *State of New York*.¹ Therefore, before Turkey Point Units 6 & 7 can be licensed, those impacts must be addressed.

Intervenors do not currently take a position on the question of whether the environmental impacts of post-operational spent fuel storage should be discussed in an individual EIS or environmental assessment for this facility or a generic EIS or environmental assessment. That question must be decided by the NRC in the first instance. *Baltimore Gas and Electric Co. v. NRDC*, 462 U.S. 87 (1983). Intervenors reserve the right to challenge the adequacy of any generic analysis the NRC may prepare in the future to address the site-specific environmental conditions at Turkey Point. The current circumstances, however, are such that the NRC has no valid environmental analysis, either generic or site-specific, on which to base the issuance of a license for this facility.

2. The Contention is Within the Scope of the Proceeding

The contention is within the scope of this licensing proceeding because it seeks to ensure that the NRC complies with the NEPA before issuing a COL for Turkey Point Units 6 & 7. There is no doubt that the environmental impacts of spent fuel storage must be addressed in all NRC reactor licensing decisions. *State of New York*, slip op. at 8 (holding that the WCD is a “predicate” to every licensing decision); *Minnesota v. NRC*, 602 F.2d 412 (D.C. Cir. 1979).

¹ See e.g., ER at 5.7.1 (discussing uranium fuel cycle impacts, but excluding any discussion of spent fuel storage impacts); ER at 5.9.1 (relying on the 2002 Final Decommissioning GEIS, which excludes from consideration spent fuel storage and maintenance consistent with 10 C.F.R. § 51.23(a)); ER at 5.11.7 (discussing cumulative impacts related to waste, but excluding any discussion of spent fuel storage impacts); 1996 Generic Environmental Impact Statement (NUREG-1437) at 6.4.6.7 (“The Commission’s waste confidence finding at 10 CFR 51.23 leaves only the on-site storage of spent fuel during the term of plant operation as a high-level-waste storage and disposal issue at the time of license renewal.”), incorporated by reference in ER at 5.7.1; see further, ER at 3.5 (discussing the radioactive waste management system); ER at Table 4.7-3 and Table 5.11-3 (discussing the impacts of the ISFSI); ER at 5.5 (discussing the environmental impacts of waste); and ER at 10.1.2.6 and 10.1.2.7 (discussing the environmental impacts of waste).

3. The Issues Raised Are Material to the Findings that the NRC Must Make to Support the Action that is Involved in this Proceeding

The issues raised in this contention are material to the findings the NRC must make to support the action that is involved in this proceeding, in that the NRC must render findings pursuant to NEPA covering all potentially significant environmental impacts. *See* discussion above in subsection (2). As such, in the absence of 10 C.F.R. § 51.23(a), it is clear that this contention addresses a material omission in the NRC staff's environmental review pursuant to NEPA.

4. Concise Statement of Facts of Expert Opinion Support the Contention

This contention is based primarily on law rather than facts. Intervenors have adequately supported their contention by citing *State of New York* and discussing its legal effect on this proceeding. Intervenors also rely on the undisputed fact that the NRC has taken no steps to cure the deficiencies in the basis for 10 C.F.R. § 51.23(a) that the Court identified in *State of New York*.

5. A Genuine Dispute Exists with the Applicant on a Material Issue of Law or Fact

Intervenors have a genuine dispute with the applicant regarding the legal adequacy of the environmental analysis on which the applicant relies in seeking a COL in this proceeding. Unless or until the NRC cures the deficiencies identified in *State of New York* or the applicant withdraws its application, this dispute will remain alive.

IV. THE CONTENTION IS TIMELY PURSUANT TO 10 C.F.R. § 2.309(f)(2)

The contention meets the timeliness requirements of 10 C.F.R. § 2.309(f)(2), which call for a showing that:

- (i) The information upon which the amended or new contention is based was not previously available;
- (ii) The information upon which the amended or new contention is based is materially different than information previously available; and
- (iii) The amended or new contention has been submitted in a timely fashion based on the availability of the subsequent information.

Id.

Intervenors satisfy all three prongs of this test. First, the information on which the contention is based -- *i.e.*, the invalidity of 10 C.F.R. § 51.23(b) and the findings on which it is based -- is new and materially different from previously available information. Prior to June 8, 2012, 10 C.F.R. § 51.23 was presumptively valid. Subsequent to the issuance of *State of New York* by the U.S. Court of Appeals, the NRC no longer has a lawful basis for relying on that regulation to exempt itself or license applicants from considering the environmental impacts of post-operational spent fuel storage in the environmental analyses for individual reactor license applications. By the same token, the generic analyses in the WCD and the TSR, on which the NRC relied for all of its reactor licensing decisions, are no longer sufficient to support the issuance of a license. Therefore the NRC lacks an adequate legal or factual basis to issue a COL for Turkey Point Units 6 & 7.

Finally, the contention is timely because it has been submitted within 30 days of June 8, 2012, the date the U.S. Court of Appeals issued *State of New York*.

V. CONSULTATION CERTIFICATION PURSUANT TO 10 C.F.R. § 2.323(b)

Intervenors certify that on July 6, 2012, we contacted counsel for the applicant and the NRC staff in an attempt to obtain their consent to this motion. Counsel for the applicant stated that it would oppose this motion. While the NRC staff did not object to the filing of this motion,

it reserved the right to respond to any new contention proposed in accordance with 10 C.F.R. § 2.309.

VI. CONCLUSION

For the reasons stated, Intervenors respectfully requests that the Atomic Safety and Licensing Board grant leave to file their contention.

Respectfully submitted this 9th day of July, 2012.

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

FLORIDA POWER & LIGHT COMPANY

(Turkey Point Units 6 and 7)

Docket Nos. 52-040-COL and 52-041-COL

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing INTERVENORS' MOTION FOR LEAVE TO FILE A NEW CONTENTION CONCERNING TEMPORARY STORAGE AND ULTIMATE DISPOSAL OF NUCLEAR WASTE AT TURKEY POINT NUCLEAR POWER PLANT were served upon the following persons by Electronic Information Exchange and/or electronic mail.

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