



ENERGYSOLUTIONS
Spent Fuel Division

U.S. Nuclear Regulatory Commission
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September 25, 2006

Subject: Transmittal of FuelSolutions™ Storage System Final Safety Analysis Report (FSAR) Update

Reference: 1) Letter, USNRC to BNG Fuel Solutions, "Amendment No. 4 to Certificate of Compliance No. 1026 for the FuelSolutions™ Storage System," July 13, 2006.

Dear Sir or Madam:

EnergySolutions Spent Fuel Division (EnergySolutions SFD) has updated the Final Safety Analysis Report (FSAR) for the FuelSolutions™ Storage System to include the changes associated with Amendment 4 to Certificate of Compliance Number 1026 (Reference 1), in accordance with the requirements of 10CFR72.248. The enclosed FSAR update is being issued on a full replacement basis. In accordance with the requirement of 10CFR72.248(c)(2), a list of changed pages is provided in the Attachment to this letter.

Should you or any member of your staff have questions, please contact the undersigned at:

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Sincerely,



Steven E. Sisley
Licensing/Regulatory Compliance Manager

Attachment:

List of Changed Pages for FuelSolutions™ Spent Fuel Management System (CoC No. 1026 Amendment 4) Final Safety Analysis Reports WSNF-220, Revision 3; WSNF-221, Revision 4; and WSNF-223, Revision 5.

Enclosure:


CD-ROM, labelled “FuelSolutions™ Storage System Final Safety Analysis Report Update; WSNF-220, Revision 3; WSNF-221, Revision 4; and WSNF-223, Revision 5” (2 copies), containing the following files:

001_WSNF220r3.pdf, 21,296 KB, publicly available
001_WSNF221r4.pdf, 17,095 KB, publicly available
001_WSNF223r5.pdf, 17,456 KB, publicly available

cc) Jill Caverly, SFPO w/ Enclosure

CERTIFICATION

Steven E. Sisley states that he is the Licensing/Regulatory Compliance Manager at EnergySolutions Spent Fuel Division, and that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto. Mr. Sisley certifies that the information accurately presents changes made since the previous revisions of the FuelSolutions™ Spent Fuel Management System Final Safety Analysis Reports.



Steven E. Sisley
Licensing/Regulatory Compliance Manager
EnergySolutions Spent Fuel Division, Inc.

**List of Changed Pages for FuelSolutions™ Spent Fuel Management System
(CoC No. 1026 Amendment 4) Final Safety Analysis Reports WSNF-220,
Revision 3; WSNF-221, Revision 4; and WSNF-223, Revision 5**

FSAR	Section	Page	Description
WSNF-220	Acronyms and Abbreviations	xxxiv	Editorial revision for company name change
	1.	1-1	Editorial revision for company name change
	1.1	1.1-4	Editorial revision for company name change
	1.2.2.5	1.2-28	Revise for consistency with proposed TS periodic monitoring requirements
	1.2.2.7	1.2-29	Editorially revise parenthetical example
	1.3	1.3-1	Editorial revisions for company name change
	Table 2.0-1	2-4	Correct missing section cross-references
	2.1.2.1	2.1-2, 2.1-3	Revise for consistency with proposed TS periodic monitoring requirements
	2.3.4.8	2.3-17	Correct missing section cross-reference
	2.3.4.9	2.3-17	Change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	2.4.3.2	2.4-2	Delete text referring to regulatory requirement
	Table 2.6-1	2.6-2	Editorial revision for company name change
	3.7.1	3.7-1	Revise for clarity and consistency with proposed TS changes
	4.1.1.1	4.1-3	Changed “daily” to “periodically” for consistency with proposed TS periodic monitoring requirements
4.3.1	4.3-2	Changed “daily” to “periodically” and “periodic” for consistency with proposed TS periodic monitoring requirements	

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(CoC No. 1026 Amendment 4) Final Safety Analysis Reports WSNF-220,
Revision 3; WSNF-221, Revision 4; and WSNF-223, Revision 5**

FSAR	Section	Page	Description
WSNF-220 (continued)	4.5.1.2	4.5-2	Revise for consistency with proposed TS periodic monitoring requirements
	4.6.1.2	4.6-4	Revise for consistency with proposed TS periodic monitoring requirements
	4.6.1.2.1	4.6-4, 4.6-5	Revise to include discussion of blocked vent analysis results for total cask heat loads that are less than the Q_{max} design-basis heat load
	4.6.1.5.1	4.6-6	Revise description of design-basis case for clarity; change “daily” to “periodic”
	Table 4.6-2	4.6-9	Delete footnote (1) and associated call-out from table caption; add temperature units to column heading
	Table 4.6-3	4.6-10	Add new table for reduced-heat blocked vent analysis results
	Figure 4.6-4	4.6-3	Revised figure caption for clarity
	Figure 4.6-5	4.6-4	Add new figure for reduced-heat blocked vent analysis results
	5.2.1.2	5.2-3	Editorial revisions for company name change
	5.5.2.4	5.5-6	Editorial revisions for company name change
	8.1	8.1-1	Editorial revisions for company name change
	8.1.10.7	8.1-17	Revise for consistency with proposed TS periodic monitoring requirements
	8.1.11.4	8.1-21	Revise for consistency with proposed TS periodic monitoring requirements
9.1	9.1-1	Editorial revisions for company name change	

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FSAR	Section	Page	Description
WSNF-220 (continued)	9.1.2.6	9.1-7	Change “periodic temperature monitoring” to “periodic monitoring” for consistency with proposed TS periodic monitoring requirements
	9.1.2.7.1	9.1-8	Editorial revisions for company name change
	9.1.3.7.1	9.1-15	Editorial revisions for company name change
	9.2.2	9.2-1, 9.2-2	Revise for consistency with proposed TS periodic monitoring requirements
	Table 9.2-1	9.2-3	Revise descriptions of inspections to be consistent with the proposed TS periodic monitoring requirements
	10.3	10.3-1, 10.3-2	Revise for clarity
	11.2.1.2	11.2-2	Change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	11.2.1.3	11.2-2	Revise for clarity and accuracy
	11.2.7.4	11.2-13	Revise to require monitoring of the liner thermocouple temperature following a flood event
	Table 12.1-1	12.1-2	Revise for consistency with proposed TS changes; editorial corrections
	TS TOC	---	Revise section headings and page numbers
	TS 3.3.1	TS 3.3-1	Deleted
	TS 3.3.2	TS 3.3-2	Revise section heading
	TS Table 4.1-1	TS 4.0-5	Revise company name
TS Table 4.1-2	TS 4.0-14	Revise company name	

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FSAR	Section	Page	Description
WSNF-220 (continued)	TS 5.3.8	TS 5.0-6, TS 5.0-7	Added section
	TS Bases TOC	---	Revise section headings and page numbers
	TS B3.3.2	TS B3.3-2	Revise section heading
	13.	13-1	Editorial revision for company name change; correct docket number
WSNF-221	Acronyms and Abbreviations	xxx	Editorial revision for company name change
	1.	1-1, 1-2	Editorial revision for company name change
	1.3	1.3-1	Editorial revision for company name change
	Table 2.0-1	2-4	Change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	2.1.1	2.1-1	Editorial revision for company name change
	Table 2.5-1	2.5-2	Editorial revision for company name change
	3.1.1	3.1-1	Editorial revision for company name change
	4.	4-1	Editorial revision for company name change
	4.4.1.11	4.4-15	Change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	4.6.1.2.1	4.6-3	Revise for clarity
	4.6.1.6.1	4.6-5	Revise for clarity; add discussion comparing W21 canister thermal results to generic thermal results; change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements

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Revision 3; WSNF-221, Revision 4; and WSNF-223, Revision 5**

FSAR	Section	Page	Description
WSNF-221 (continued)	Table 4.6-1	4.6-6	Revise table to reference temperatures from the 25.0 kW generic all vents blocked analysis case
	4.7.4.1	4.7-9	Editorial revision for company name change
	6.	6-1	Editorial revision for company name change
	7.	7-1	Editorial revision for company name change
	8.	8-1	Editorial revision for company name change
	9.	9-1	Editorial revision for company name change
	9.1	9.1-1	Editorial revision for company name change
	Table 9.1-1	9.1-3	Change “periodic temperature monitoring” to “periodic monitoring” for consistency with proposed TS periodic monitoring requirements
	10.	10-1	Editorial revision for company name change
	11.	11-1	Editorial revision for company name change
	12.	12-1	Editorial revision for company name change
	Table 12.1-1	12.1-2	Revise for consistency with proposed TS changes; editorial corrections
	TS TOC	---	Revise section headings and page numbers
	TS 3.3.1	TS 3.3-1	Deleted
	TS 3.3.2	TS 3.3-2 thru TS 3.3-5	Change TS title; revise LCO 3.3.2 to permit either visual inspection of vent screens or liner thermocouple temperature monitoring; revise ACTIONS for periodic monitoring options; revise SURVEILLANCE REQUIREMENTS to refer to storage cask periodic monitoring program

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FSAR	Section	Page	Description
WSNF-221 (continued)	TS Table 4.1-1	TS 4.0-3	Revise company name
	TS 5.3.8	TS 5.0-1	Add section
	TS Bases TOC	---	Revise section headings and page numbers
	TS B3.3.1	TS B3.3-1	Deleted
	TS B3.3.2	TS B3.3-2 thru TS B3.3-6	Revise TS 3.3.2 bases to address proposed changes
	13.	13-1	Editorial revision for company name change
	14.	14-1	Editorial revision for company name change
WSNF-223	Acronyms and Abbreviations	xxxvi	Editorial revision for company name change
	1.	1-1, 1-2	Editorial revision for company name change
	1.3	1.3-1	Editorial revision for company name change
	Table 2.0-1	2-4	Change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	2.1.1	2.1-1	Editorial revision for company name change
	Table 2.5-1	2.5-2	Editorial revision for company name change
	3.1	3.1-1	Editorial revision for company name change
	3.5.1.2.1	3.5-3	Editorial revision for company name change
	3.5.1.3.1	3.5-7	Corrected missing section cross-reference
	4.4.1.10	4.4-13	Deleted last paragraph

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FSAR	Section	Page	Description
WSNF-223 (continued)	4.6.1.2	4.6-3	Replace “vent clearance” with “periodic monitoring” for consistency with proposed TS periodic monitoring requirements
	4.6.1.2.1	4.6-3, 4.6-4	Revise for clarity
	4.6.1.6.1	4.6-5, 4.6-6	Revise for clarity; add discussion comparing W74 canister thermal results to generic thermal results; change “daily” to “periodic” for consistency with proposed TS periodic monitoring requirements
	Table 4.6-1	4.6-7	Revise table to reference temperatures from the 25.0 kW generic all vents blocked analysis case
	6.	6-1	Editorial revision for company name change
	7.	7-1	Editorial revision for company name change
	8.	8-1	Editorial revision for company name change
	9.	9-1	Editorial revision for company name change
	9.1.1	9.1-1	Editorial revision for company name change
		Table 9.1-1	9.1-4
	Table 9.1-2	9.1-7	Change “periodic temperature monitoring” to “periodic monitoring” for consistency with proposed TS periodic monitoring requirements
	9.1.8	9.1-12	Change “temperature monitoring” to “monitoring” for consistency with proposed TS periodic monitoring requirements

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FSAR	Section	Page	Description
WSNF-223 (continued)	9.1.9.2	9.1-13, 9.1-14	Editorial revision for company name change; added period to end of last sentence
	9.2	9.2-1	Change “temperature monitoring” to “monitoring” for consistency with proposed TS periodic monitoring requirements
	10.	10-1	Editorial revision for company name change
	11.	11-1	Editorial revision for company name change
	11.2.1.3	11.2-2	Revise for clarity and accuracy
	12.	12-1	Editorial revision for company name change
	Table 12.1-1	12.1-2	Revise for consistency with proposed TS changes; editorial corrections
	TS Cover Sheet	---	Add note for clarity
	TS TOC	---	Revise section headings and page numbers
	TS 3.3.1	TS 3.3-1	Deleted
	TS 3.3.2	TS 3.3-2 thru TS 3.3-5	Change TS title; revise LCO 3.3.2 to permit either visual inspection of vent screens or liner thermocouple temperature monitoring; revise ACTIONS for periodic monitoring options; revise SURVEILLANCE REQUIREMENTS to refer to storage cask periodic monitoring program
	TS Table 4.1-1	TS 4.0-3	Revise company name
	TS 5.3.8	TS 5.0-1	Add section
	TS Bases TOC	---	Revise section headings and page numbers
TS B3.3.1	TS B3.3-1	Deleted	

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FSAR	Section	Page	Description
WSNF-223 (continued)	TS B3.3.2	TS B3.3-2 thru TS B3.3-6	Revise TS 3.3.2 bases to address proposed changes
	13.	13-1	Editorial revision for company name change
	14.	14-1	Editorial revision for company name change

Bcc w/o Enclosure)

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