

**WOLF CREEK**  
NUCLEAR OPERATING  
CORPORATION

March 11, 1987

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Letter: WM 87-0063  
Re: Docket No. 50-482  
Subj: Revision 0 of the Wolf Creek Updated Safety Analysis Report

Gentlemen:

The purpose of this letter is to document the submittal of the Wolf Creek Updated Safety Analysis Report (USAR), Revision 0, and to provide a description of the changes made since issuance of Facility Operating License No. NPF-42.

As required by 10 CFR 50.4, 10 CFR 50.34, 10 CFR 50.54 (a)(3), and 10 CFR 50.71 (e) eleven copies of the Wolf Creek Updated Safety Analysis Report have been shipped to the Document Control Desk. These copies were shipped via United Parcel Service on March 11, 1987.

Specific technical changes which have been made since issuance of the operating license are described in the attachment to this letter. In addition to these technical changes, Wolf Creek Nuclear Operating Corporation has made the following administrative enhancements:

- 1) The Wolf Creek USAR combines the SNUPPS Final Safety Analysis Report and Wolf Creek Site Addendum into a single document.
- 2) Organization descriptions from chapters 13, 17 and the Fire Protection Plan have been consolidated into section 13.1 to eliminate redundancy.

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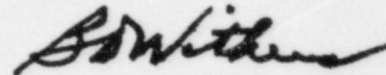
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- 3) The Wolf Creek Radiological Emergency Response Plan has been removed from the USAR and is maintained and submitted as a separate controlled document. This allows the Plan to be updated on a more frequent basis without creating confusion with USAR revisions.

If you have any questions concerning this matter, please contact me or Mr. O. L. Maynard of my staff.

Very truly yours,



Bart D. Withers  
President and Chief  
Executive Officer

BDW:jad

Attachment

cc: PO'Connor (2)  
RMartin  
JCummins

STATE OF KANSAS       )  
                              ) SS  
CITY OF BURLINGTON )

Bart D. Withers, of lawful age, being first duly sworn upon oath says that he is President and Chief Executive Officer of Wolf Creek Nuclear Operating Corporation; that he has read the foregoing document and knows the content thereof; that he has executed that same for and on behalf of said Corporation with full power and authority to do so; and that the facts therein stated are true and correct to the best of his knowledge, information and belief.

By *B. D. Withers*  
Bart D. Withers  
President and Chief Executive Officer

SUBSCRIBED and sworn to before me this 11 day of March, 1987.

*Marlene Deakmar*  
Notary Public

Expiration Date 8-4-1990





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USAR CHANGE REQUESTS<sup>1</sup>

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-001	pg. 2.2-28	Section 6.4 of the USAR states the chlorine monitors must be capable of providing an alarm within 7 seconds. Section 2.2 has been revised to be consistent with USAR Section 6.4 and the Purchase Specification.
85-003	pg. 9.5-13 pg. 9.5-28 tab. 9.5.1-2(sh. 3) tab. 9.5A-1 (sh. 50)	These changes on the Control Room Halon System were sent to the NRC in KMLNRC 85-028 prior to receipt of the Wolf Creek License.
85-005	tab. 3.11(B)-3(sh. 128)	The conveyor system controls for the fuel transfer system are non-Q, non-IE.
85-006	pg. 4.4-45 pg. 5.4-47, 48 pg. 7.2-36 pg. 9.1-45, 46 pg. 14.2-169 pg. 14.2-176	These changes were sent to the NRC via SLNRC 85-001 prior to receipt of the Wolf Creek License. Section 9.1 was modified slightly to clarify the tygon hose connection.
85-007	tab. 3.2 tab. 3.2-1 1 ques. 430.1	These changes were sent to the NRC in SLNRC 85-003 prior to receipt of the license. The text has been modified to be more appropriate to USAR format.
85-009	pg. 6.4-1, 4, 7 pg. 9.4-12, 13, 17	This change clarifies the location of carbon dioxide/carbon monoxide monitors.

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1. The Wolf Creek Generating Station Semiannual Radioactive Effluent Release Report covering the period from July 1, 1986, through December 31, 1986 (WM 87-0056, dated 3/2/87), stated that any major changes to Radwaste Treatment Systems would be provided in the next annual update of the Final Safety Analysis Report. There have been no licensee-initiated major changes to the Radwaste Treatment Systems since Wolf Creek Generating Station was initially licensed. Any future major changes made to the Radwaste Treatment Systems will be described in Semiannual Radioactive Effluent Release Reports as allowed by Technical Specification 6.15.



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USAR CHANGE REQUESTS		
<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-011	pg. 5.4-7	This change clarifies the turbine generator pump overspeed test.
85-012	pg. 15.6-25, 31, 38	These changes clarify the Section 15.6 text. Reference 2 was updated to reflect the latest information.
85-013	pg. 18.2-37	These changes clarify the basis for the pressurizer heater capacities and correct minor inconsistencies within the USAR.
85-014	tab. 9.2-3(sh. 2)	There are three air compressors and after coolers with one in use.
85-015	pg.. 8.1-6	RG 1.9 allows engineering analysis to be used to justify a greater percentage than 60 percent of each load sequence interval. This change reflects the fact that WCNOG may utilize this option.
85-016	tab. 9.4-2(sh. 15) tab. 9.4-3(sh. 10)	Revision 17 of the SNUPPS FSAR revised these two tables to reflect the fact that the second bank of HEPA filters was inaccessible. These two corrections were omitted at that time.
85-018	fig.6.2.4-1(sh. 35, 69b)	This change corrects several errors in the penetration list by adding two valve penetrations and correcting a typographical error.
85-020	pg. 7.3-28	This change corrects the description of the main feedwater/main steam isolation valve fast closing capabilities. This change was sent to the NRC prior to receipt of the license in KMLNRC 85-060.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-021	pg. 18.2-30 pg. 18.3-13 pg. 3.11(B)-18	This change updates information on primary PORV and safety valve testing, adds reference to identify the Wolf Creek program to reduce leakage from systems outside containment that contain radioactive fluids, and updates the discussion on control systems interactions.
85-022	pg. 13.2-14	The requirements of the accelerated requalification program are revised to be in accordance with ANSI 3.1-1978.
85-023	pg. 5.4-14	The material description of the steam generator J tubes has been changed to show they are fabricated from Inconel-600.
85-025	pg. 4.4-43	This change corrects the description of the reactor coolant flow test performed prior to initial criticality to make it consistent with USAR section 14.2.12.3.5.
85-026	pg. 11.3-11	This change modifies the value of the hydrogen recombiner high discharge hydrogen concentration alarm.
85-027	fig. 8.3-2	This change adds the ESW chlorination building unit heaters to the list of loads supplied by the emergency diesel generator.
85-029	pg. 15.1-25 pg. 15.2-13, 18, 26 pg. 15.3-16 pg. 15.4-50 pg. 15.5-7 pg. 15.6-31 tab. 15.2-1 tab. 15.5-1 fig. 15.2-9 thru 14 fig. 15.5-4 thru 11	This change incorporates updates to chapter 15 resulting from a July 1984 audit of the WCGS Safety Analysis performed by SNUPPS.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-030	pg. 4.2-15, 39, 41, 43 pg. 4.3-4 tab. 4.3-2	This change revises the control rod guide tube description, updates the quality control inspection description, and corrects two typographical errors.
85-031	pg. 3A-13 pg. 3A-47	This change provides further information regarding compliance with Regulatory Guides 1.30 and 1.116. It was sent to the NRC in KMLNRC 86-041 and 85-095.
85-034	tab. 13.1-1	This change makes the minimum qualifications for plant personnel consistent with industry standards and regulatory guidance.
85-035	fig. 9.3-1	This reflects modifications to the compressed air system to improve operability and maintenance.
85-036	tab. 3.2-4	This corrects the issue date of revision 3 to Regulatory Guide 1.26.
85-037	pg. 8.3-30 tab. 9.5A-1(sh. 28) pg. 9.5B-5 & 6	This change clarifies the WCGS compliance with electrical raceway and cable separation requirements. This change was sent to the NRC prior to receipt of the license in KMLNRC 85-030 as modified by 85-140.
85-039	pg. 7.2-2, 3, 16, 28, 29, 30, 32	This adds a description of the automatic shunt trip modification to the reactor trip breakers.
85-041	pg. 9.5-9, 26	This change describes a design modification to the fire protection system to prevent accidental de-energization and deluge of the startup or any of the three main transformers.



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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-042	pg. 9.5-42 fig. 3.8-112	A six inch sample line has been added to the emergency fuel oil storage tanks.
85-043	pg. 14.2-174 pg. 3A-26 ques. 640.6	This change identifies the fact that the results of the RCCA or Bank Worth Measurement at power start up test (S-07SF09) performed at Callaway were applied to Wolf Creek and the test was not performed at WCGS. This exemption was requested by KMLNRC 85-119 and was approved in a July 3, 1985 letter from the NRC.
85-045	pg. 5.2-35	This change reflects the effect of charging system configuration modifications resulting from isolation of the boron injection surge tank on the systems ability to withstand and detect RCS isolation valve leakage.
85-046	pg. 3A-22	This change updates the edition of SNT-TC-1A which the Operating Agent uses to certify NDE personnel.
85-049	pg. 15.0-7 tab. 15.0-2, 3 tab. 15.1-5, 12, 19 fig. 15.1-7 pg. 15.2-12, 13, 18 pg. 15.3-10 pg. 15.4-4, 5, 17, 40, 43 tab. 15.4-3 fig. 15.2-10 pg. 6.2-28, 30, 31, 34, 36, 96, 97 tab. 6.2.1-56 Fig. 15.4-2	This change incorporates modifications to chapters 6 and 15 resulting from a July 1984 audit of the WCGS safety analysis performed by SNUPPS.
85-051	tab. 3.9(B)-16 (sh. 1, 3, 8, 9, 11, 15, 23, 24, 25, 26, and 27)	This change updates the USAR table on active valves to make it consistent with other design documents.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-053	tab. 3.2-1 tab. 3.2-2 (sh 1) pg. 3.7(B)-2, 4, 11, 19 pg. 3.7(B)A-6 pg. 3.9(B)-1, 3, 4, 10 tab. 3.9(B)-1, 14 pg. 3.10(B)-3, 4 pg. 3.11(B)-4, 13 tab. 3.9(B)A-1 fig. 3.7(B)-11A, B fig. 3.7(B)-16 ques. 270.1	This change: (1) updates the USAR list of safety related equipment to make it consistent with other design documents (2) removes unnecessary figures that are not referenced in the text (3) corrects several figure and section references and (4) makes minor editorial or typographical changes.
85-054	pg. 3.6-5, 6, 9, 11, 13, 20, 22 pg. 3B-1, 2, 5, 10 11, 12 pg. 3A-8, 15, 30, 32, 40, 45	This incorporates many small editorial and consistency-related changes to the pages identified.
85-055	tab. 9.1-7	This change corrects the maximum load and normal expected load range values for the spent fuel pool bridge crane.
85-056	pg. 9.3-3	This change notes that both parallel trains of the instrument air dryer/filters can be used simultaneously.
85-057	pg. 15.2-13 pg. 9.5B-213, 214, 215 pg. 9.4-1, 3, 4, 5, 7, 11, 12, 14 tab. 9.4-4 pg. 9.5B-221, 222, 223 tab. 11.3-1 ques. 492.32 fig. 9.5.1-2 (sh. 1)	This change: (1) corrects the fire rating of the south wall of the rad waste tunnel, and several walls in turbine building fire area T-2 (2) adds information on the air handling vent serving the Secondary Alarm Station room, (3) adds information on reports documenting RVLIS performance, and (4) makes several minor changes of an editorial nature.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-058	pg. 8.2-3, 4, 5, 7 fig. 8.2-3	This change reflects the addition of the number 7 transformer in the Wolf Creek substation to provide another source of offsite power to feed Class IE loads.
85-059	fig. 10.4-2(sh 6) fig. 9.3-5(sh 7) fig. 10.4-6(sh 7, 8) fig. 10.4-10	The changes to these figures show the design modifications undertaken to prevent steam introduction into the condenser air removal system.
85-060	pg. 12.1-10	This change makes the Operating Agent's Quality Division responsible for review and audit of the radiation protection program.
85-061	tab. 1.3-1 pg. 6.4-4, 5, 6, 7 pg. 6.5-5, 8, 10, 13 pg. 6.6-2 pg. 7.1-9 pg. 7.3-4, 25, 41 pg. 3.8-30, 46, 54 pg. 5.2-29 pg. 7.4-1, 2 pg. 8.1-16	This change corrects several figure and section cross references and makes other minor changes to establish consistency between USAR sections.
85-062	pg. 6.2-10, 47, 56, 59, 70, 71 tab. 6.2.4-2 pg. 15.1-25 tab. 15.1-4 tab. 15.6-3 tab. 1.6-1, 2 pg. 2.2-13 pg. 2.3-56 tab. 2.3-59d, 78, 79 tab. 2.4-41 tab. 3.4-1 pg. 2.5-1	This change incorporates many small editorial and consistency-related changes to the pages identified.
85-063	pg. 6.2-53 tab. 6.2.2-2 (sh. 2)	This change corrects the design code of the containment spray system spray nozzles and clarifies the shop testing performed on the spray pumps.



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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-064	tab. 12.3-2	This change moved the portable radiation monitor to the manipulator bridge crane and revised the high alarm.
85-066	pg. 8.2-1 pg.. 9.1-13, 28 tab. 9.1-4(sh 4) pg. 9.2-25, 32, 37 46, 50 tab. 9.2-16	This change incorporates several small editorial changes to the pages identified.
85-067	tab. 7.2-13	This corrects the typical response time for overtemperature and overpower delta T trip signals.
85-068	pg. 9.1-52	This change deletes a statement that would have required road dirt to be hosed off spent fuel shipping casks prior to entry into the fuel building. The change was made due to radiological concerns.
85-069	pg. 12.3-5	This change clarifies the fact that only pipe runs which are radioactive are of an ALARA concern.
85-070	tab. 6.2.2-7 fig. 6.2.2-5 tab. 6.3-1	This change reflects the "as supplied" performance characteristics of the containment spray and residual heat removal pumps.
85-071	pg. 9.5-19	This change corrects references for test method and acceptance criteria related to fire dampers and doors.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-072	pg. 3.1-2, 4, 9, 11, 23, 28, 30, 31, 33, 34, 35, 37, 43 pg. 5.2-33, 37, 38, 43 pg. 5.4A-2 tab. 5.4A-3 (sh. 1, 3, 13) tab. 7A-2 pg. 7A-4	This change: (1) reflects changes to plant configuration resulting from the lower requirements on boron injection tank boron concentration (2) clarifies that either manual or automatic controls can terminate dilution and initiate boration (3) incorporates many editorial changes to the pages identified.
85-073	pg. 3.10(B)-1 pg. 3.8-55	This change expands exceptions to AWS D1-1 and adds cross references for the appropriate exceptions.
85-074	pg. 11.5-4	This identifies that surveillances on radioactivity monitors are done in accordance with Technical Specifications.
85-075	Section 1.7 Design Drawings	This updates all design drawings to as-built configurations.
85-076	pg. 12.3-39	This change revises the safety evaluation section of the airborne radioactivity process monitors to: (1) delete reference to a methodology for detecting low concentrations of halogens and noble gases (2) delete reference to a laboratory analysis of ratios among the various species of airborne radioactivity (3) modify the description of the AirMS.
85-080	pg. 12.3-1, 2	This change explains the capability to monitor radiation levels inside filter and demineralizer resin compartments.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
85-082	pg. 8.3-1 tab. 8.3-4 (sh. 2, 3, 24, 25) fig. 8.3-2 pg. 9.3-7, 14, 23, 41, 42, 43, 68 tab. 9.4-8 (sh. 1, 2, 9) pg. 9.4-75, 84, 85, 86, 87, 88, 89, 90, 92, 93 tab. 9.4-16, 17 fig. 9.5.2-1, 2 pg. 3A-58 pg. 9.5-51 ques. 430.19, 20, 22, 25, 32 tab. 9.5.4-3 (sh. 1, 5)	This change: (1) revises the edition of ASTM D975 applied to the emergency diesel generator fuel oil (2) reflects the revision of Regulatory Guide 1.137 used for the point by point comparison in Table 9.5.4-3 (3) removes the commitment to introduce corrosion inhibitor on the suction side of the plant heating system hot water pumps (4) adds a requirement to use a corrosion inhibitor in the emergency diesel generator cooling water system and (5) makes numerous small editorial and consistency-related changes.
85-083	pg. 3.10(N)-5 tab. 3.10(N)-1	This change reflects the current status of the equipment qualification data packages.
85-084	tab. 3.2-1 (sh. 7)	This changes the safety evaluation of the fuel transfer system conveyor controls.
85-085	pg. 7.5-11 tab. 7.5-1(sh. 1, 2) tab. 9.5A-1(sh. 5)	This change corrects some inconsistencies between table 7.5-1 and appendix 7A, corrects an incorrect USAR cross-reference, and notes that simultaneous fires (in the context of APCS 9.5-1, App A) are not a concern to WCGS.
85-086	pg. 6.2-45	This change allows the use of small amounts of anti-sweat fiberglass insulation inside containment.



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85-089	FPP-6	This adds a requirement to critique a randomly selected fire drill every three years.
85-090	pg. 1.2-1, 2, 3, 4, 5, 18, 22 pg. 10.1-2 fig. 10.1-1 pg. 10.2-2 ques. 430.41 pg. 10.4-31, 36, 44, 45, 47, 62	This change: (1) removes reference to the other SNUPPS units, (2) corrects cross references, (3) establishes consistency internal to the USAR and (4) makes other minor editorial changes.
85-091	tab. 15.7-4, 6, 8 tab. 15A-2 pg. 12.1-1, 3, 4, 7, 8 tab. 11.1A-5 pg. 11.4-15 pg. 11.5-1, 2, 5, 7, 8, 9, 11, 12, 14, 15, 16 pg. 12.3-18, 20, 21, 23 pg. 11.2-10 tab. 12.3-4	This change: (1) corrects the PRT cooling mode valve configuration (2) corrects the sensitivity of the post accident sample room radiation monitor (3) adds radiation monitors SD-RE-47 to table 12.3-5, and (4) makes other minor editorial changes.
85-092	pg. 18.1-5	This revises the responsibilities of the Duty Call Technical Advisor during an emergency.
86-001	pg. 6.6-1, 2, 3, 4, 5 pg. 5.2-26, 31, 32	This change reflects the ASME codes which are used for inservice inspection.
86-002	pg. 13.3-1	This change removes the WCGS Radiological Emergency Response Plan from the USAR.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-003	pg. 9.5B-5, 6	This change clarifies the USAR commitment concerning cable qualification per IEEE-383-1974 for lighting, fire protection, communication, and specialty cables and deletes the table of typical insulation types.
86-004	pg. 3A-28, 45 pg. 9.4-71	This change: (1) reflects that only Callaway performed the remote shutdown test (2) references the Technical Specifications with regard to Regulatory Guide 1.108 compliance and (3) revises the containment pressure upper limit to be consistent with the Technical Specifications.
86-005	pg. 8.3-29, 34, 35, 36	Exemptions from physical separation criteria are identified and justified.
86-008	pg. 10.2-8, 9 tab. 10.1-1 pg. 10.2-13 tab. 7A-3	This change: (1) corrects the description of the main turbine overspeed protection system (2) corrects the main turbine generator rating in Table 10.1-1, and (3) removes a reference to main stop and control valve maintenance platforms to establish consistency with design documents.
86-009	pg. FPP-1, 2, 4, 6, 7, 8	This change revises the Fire Protection Plan to: (1) reduce the administrative work load on the Shift Supervisor by revising the ignition source permit system (2) clarify fire brigade refresher training and (3) change fire protection specialist responsibilities.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-010	pg. 3.9(B)-17	This change clarifies the in-situ valve inspection done as part of the operational qualification for the active safety relief valves.
86-012	pg. 1.2-1, 2 pg. 2.1-6, 7, 8, 10, 11 tab. 2.1-1	This change updates the population figures in the areas surrounding WCGS.
86-013	sect. 17.2	This change contains the 1986 annual submittal of changes to the WCGS operating quality program. These changes were sent to the NRC in SLNRC 86-041.
86-014	tab. 3.11(B)-10	These changes bring the table into agreement with the EQ Equipment List - Table 3.11(B)-3. Table 3.11(B)-10 is based on NRC question 270.2.
86-018	sect. 3.11(B)	This section has been completely revised to incorporate the information in the SNUPPS NUREG-0588 submittal transmitted by SLNRC 86-002.
86-019	sect. 15.1.6 sect. 15.2.8.2	This change updates references and assumptions used in the analyses.



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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-021	fig.5.1-1(sh. 4)	This change added a seal table drain system in accordance with a plant design change.
86-022	fig. 9.4-4(sh. 2)	This change added a dryer to the sampling lab HVAC air handling unit.
86-023	pg. 3.9(B)-21	This change updated Pump and Valve Test information to conform to current program requirements.
86-024	pg. 3.10(B)-4, 5 tab. 3.10(B)-1	This change revised Section 3.10(B) to eliminate qualification details from Table 3.10(B)-1 and to note that details are available in equipment files.
86-025	tab. 6.3-5(sh. 3) tab. 5.4A-3(sh. 3)	These tables were revised to incorporate as-built flow rates.
86-026	pg. 6.3-14	The description of accumulator check valve testing revised to note that Technical Specifications provide test requirements.
86-028	tab. 6.2.2-9, Note 5	Note 5 clarifies the assumptions used in the sump screen approach velocity calculation.
86-029	pg. 3A-41	This change acknowledges revision 2 of Reg. Guide 1.97.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-030	fig. 15.3-9, 10, 11, 12	Revised figures incorporate startup test data for flow coastdown.
86-031	tab. 3.9(B)-16 tab. 3.9(N)-11	This change updates active valve lists.
86-032	pg. 3B-7, 8, 10, 11, 14 tab. 3B-2, 3, 5 fig. 3B-4 (sh. 1, 2, 5, 6)	This change is an update to steam tunnel MSLB analysis resulting from revised mass/energy released data.
86-033	pg. 3.6-5, 13, 20 tab. 3.6-3(sh. 1-73) fig. 3.6-1 (sh. 9-12, 16, 17, 21, 24-27, 40, 49) fig. 3.6-3	This change updates pipe break analysis to as-built conditions.
86-034	tab. 3.6-6	This change revises hazards analysis flood elevations.
86-035	pg. 3.9(N)-20	This revision provides proper temperature for Steam Generator tube visual leakage check.
86-036	pg. 9.4-91 fig. 9.4-9(sh. 1)	This change incorporates a design change which removes 2 pressure switches in the plant heating system.
86-037	tab. 7.3-14 (sh. 2)	This change updates Feedwater Isolation Signal inputs for completeness and consistency with other USAR information.
86-038	pg. 7.3-20, 21, 23	This change corrects Turbine-Driven Auxiliary Feedwater Pump steam supply valve design description.

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<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-039	pg. 9.5B-1, 169, 171	This change incorporates a reference to the latest control room fire hazards analysis.
86-040	tab. 9.5B-2 (sh. 6, 7, 8, 9, 10, 11, 12, 16, 17, 19, 20)	This change makes the safe shutdown list consistent with T3.11(B)-3.
86-041	fig. 18.2-5, 6	This change corrects errors in radiation zone identification.
86-042	pg. 9.4-70, 71	This change incorporates plans for containment entry.
86-043	pg. 6.2-66 fig. 6.2.4-1 (sh. 69b)	This change adds containment penetration data for a new system (breathing air) added by a design change.
86-044	pg. 2.2-18 pg. 9.2-5	This change discusses locations where chlorine is stored at WCGS.
86-045	pg. 11.4-9 fig. 1.2-3 fig. 9.3-1 (sh. 2) fig. 11.4-1 (sh. 1)	This change describes the capability for connecting a mobile vendor solidification system.
86-047	pg. 3.2-1, 2, 3, 4 tab. 3.2-1 (all sh.) tab. 3.2-2 (sh. 2)	This change incorporates editorial revisions and revisions required for consistency.
86-048	pg. 3.9(N)-20 pg. 5.2-9 tab. 5.3-2 pg. 9.1-30, 32, 34, 43, 49, 50, 53	This change updates the as-built facility description and makes editorial changes.



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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-049	pg. 7.7-15	This change reflects a design change affecting the alarm program for normal shutdown bank manipulations.
86-050	sect. 13.2	This change involves a revision of training information to remove superseded information and reflect current practice.
86-051	tab. 3.11(B)-1 (sh. 1, 2) tab. 3.11(B)-2 (sh. 1, 2, 3, 4) tab. 3.11(B)-3 (all sh. and notes)	These changes make the tables consistent with information previously submitted in the SNUPPS NUREG-0588 Submittal. Also some changes are made for clarification.
86-052	tab. 1.1-1(sh. 4) pg. 9.4-1, 3, 4, 5, 7, 11, 12 tab. 9.4-4 (sh. 6)	This change adds information regarding the SAS room air conditioning system.
86-053	fig. 11.3-1 (sh. 1)	This change documents a design change to the gaseous radwaste system.
86-054	tab. 13.1-1	This change revises the license requirements for the Superintendent of Operations.
86-056	pg. 3A-60	This change adds Wolf Creek's position on Regulatory Guide 1.149 to Appendix 3A.
86-058	pg. 15.4-25, 26, 27, 28, 29	This change updates the boron dilution analysis for cycle 2.
86-062	pg. 3A-60 pg. 5.4-20	This change states the use of code cases N-401, 402 per Regulatory Guide 1.147.

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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-063	pg. 9.1-45 pg. 9.2-42 pg. 10.4-48	These changes were made to be consistent with Technical Specifications.
86-064	fig. 9.5.7-1 (sh. 1, 2)	This change reflects the as-built design of the Auxiliary Lube Oil System.
86-066	pg. 4.2-39	This change clarifies fuel rod clad non-destructive examination methods.
86-068	tab. 6.3-5(sh. 2)	This change deletes the FEMA for valves 8837A, B.
86-069	sect. 17.2	This section is updated to reflect organization (WCNOC) changes and to be consistent with Technical Specifications. The remainder of the USAR reflects the organization in effect September, 1986. Section 17 is more up to date since it is considered part of the operating Quality program.
86-070	tab. 15.4-1 (sh. 2, 3)	The change deletes superseded information on the boron dilution accidents resulting from a revised analysis.
86-073	fig. 4.2-2, 3, 9, 11, 13, 14, 15	This change revises fuel bundle/rod dimensions for cycle 2 fuel and notes that these are typical dimensions.

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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-075	tab. 4.1-2 (sh. 2, 3) pg. 4.3-27, 42, 48, 52	This change reflects the use of ANC in the cycle 2 design.
86-076	tab. 9.5.A-1 (sh. 20, 21)	This change deletes superseded information.
86-078	pg. 4.3-37	A correction is made regarding rod withdrawal limits applicable to first core.
86-079	pg. 4.3-19	This change corrects an error (-10 vs. +10) in axial power target valves.
86-080	sect. 17.2.11.2	This change reflects quality program clarifications requested by the NRC.
86-081	pg. 17.2-13, 16, 20, 24	This change notes that purchasing is controlled by Material Management.
86-082	pg. 17.2-53	This change reflects organization changes, i.e., the V.P. Quality reports to WCNOG President and CEO.
86-083	pg. 17.2-54	This change corrects a typographical error.
86-085	pg. 11.4-2, 3, 5, 10, 11	This change describes the bulk waste handling station and makes minor changes to the description of waste handling.



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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-086	pg. 15.7-13, 14 tab. 15.7-2 (sh. 3) tab. 15.7-7, 8	This change updated the fuel handling accident in containment analysis.
86-088	pg. 9.1-72	This change deletes redundant requirements.
86-090	pg. 12.1-2, 3, 6 pg. 12.3-7, 8, 10, 11, 39, 40 tab. 12.3-3 pg. 12.4-3 tab. 12.4-1 (sh. 2, 4) tab. 12.4-12 (sh. 2)	This change is an update of chapter 12 to reflect current plant procedures, changes in terminology, the use of water cans instead of bags, the lab equipment currently in use, changes to maintain consistency with Technical Specifications and other USAR Sections and to correct minor errors or clarify text.
86-091	tab. 9.4-10 (sh. 5)	This change corrects the flowrate of one unit heater.
86-093	fig. 17.2-1	This change revises the hierarchy of controlled manuals.
86-095	pg. 5.2-31	This change updates ASME Section XI visual examination techniques used.
86-097	pg. 6.3-10	This change clarifies that the BIT is analyzed for 0 ppm.
86-098	pg. 6.3-6	This change clarifies the volume of the RWST.

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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-100	pg. 17.2-3	This change references the Nuclear Department Policy Manual for special scope guidance. It contains a more complete program listing.
86-101	pg. 17.2-15, 16, 24, 25	This change updates the procurement information to reflect current organization and practice.
86-102	pg. 12.2-4	This change puts the post-accident sampling dose rate to the operator in proper units. This information was formerly in the response to NRC question 331.3.
86-103	pg. 11.3-8, 9 tab. 11.3-3	This change removes the atmospheric dispersion information and references instead the section 2.3 dispersion data. The results of a 1986 pathway survey are discussed.
86-104	pg. 11.3-8	This change removes duplicate information.
86-107	tab. 9.5.4-3 (sh. 5)	The table has been modified to be consistent with Technical Specifications for diesel fuel oil sampling.
86-108	pg. 5.2-12	This change provides consistency with Technical Specification for lockout of accumulators and charging pumps during cooldown.
86-109	pg. 6.1-7 pg. 6.5-4, 5, 6	This change notes that the 30 weight percent solution in the NaOH Addition Tank is a nominal concentration.

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USAR CHANGE REQUESTS

<u>Wolf Creek Change Request</u>	<u>Affected Portion</u>	<u>Description of Change</u>
86-110	pg. 7.7-11	Axial flux deviation alarm description has been updated to agree with Technical Specifications.
86-111	tab. 5.4A-1 (sh. 10)	This change clarifies that the pressurizer heaters are electronically non-IE. This is consistent with Table 3.2.
86-113	pg. 6.2-47 pg. 6.3-4	The description of the Refueling Water Storage Tank level signal for ECCS automatic switchover has been revised to be consistent with Technical Specifications.
86-114	pg. 9.4-30	Clarifies the sewage treatment process.
86-115	Chapter 18	This chapter was updated to reflect the latest action on these issues.
86-116	fig. 7.2-1 fig. 8.2-3 fig. 8.2-4 fig. 10.4-2, 3	Revise figure titles to incorporate document numbers and revisions
86-117	pg. 2.3-36	This change updates information provided on the Wolf Creek fog monitoring program.
86-120	tab. 2.1-2, 3, 4, 5, 8 fig. 2.1-10, 16, 21	This change relects 1980 census data.
86-121	sect. 13.1	This change reflects the September 1986 organization.
87-001	sect. 2.2	This change updates information concerning industry facilities near Wolf Creek and revises population statistics.



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87-002	sect. 2.2.1.2.4.1 sect. 2.2.3.1.3 sect. 2.2.3.1.7	This change adds the ESW Pumphouse Chlorine storage location and revises the chlorine accident analysis to reference the new storage location.
87-003	sect. 15.8	This change updates a discussion concerning anticipated transients without scram.

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BOX 1 of 2 CONTAINS VOLUMES 1 through 7

BOX 2 of 2 CONTAINS VOLUMES 8 through 14

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