



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DEC 26 1984

MEMORANDUM FOR: B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

FROM: George Lear, Chief
Structural and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: FSAR REVISION RELATED TO STRUCTURAL STEEL WELDING

Reference: Letter from B. J. Youngblood to B. D. Liaw, dated December 13, 1984.

In accordance with your request contained in the referenced memo, the structural and Geotechnical Engineering Branch has reviewed the information contained in the attachments to the referenced memo, and our safety evaluation report is contained in the enclosure. The review is performed by C. P. Tan of Structural Engineering Section B of SGEB.

George Lear, Chief
Structural and Geotechnical Engineering Branch
Division of Engineering

Enclosure: As stated

cc: J. Knight
T. Novak
B. Liaw
P. Kuo
C. Tan

CONTACT: C. P. Tan, x28424

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300.

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ENCLOSURE

STRUCTURAL AND GEOTECHNICAL ENGINEERING BRANCH
SUPPLEMENT TO SER
WOLF CREEK NUCLEAR PLANT
DOCKET NO. 50-482

3.8.3 Other Seismic Category I Structures

The applicant proposed an addition to Section 3.8.3.6.3.3 of the SNUPPS FSAR in forthcoming revision which is applicable to Wolf Creek, as follows:

"2) Fillet welds need not satisfy the convexity limitations of Section 3.6.1 provided that all other parameters of acceptable weld profile are maintained."

The applicant justified the change on the basis that convexity has no detrimental effect on the structural capacity of the weld if other weld parameters are maintained. The staff has reviewed the change and has the following observation. It is well known that a convex fillet weld has less tendency to crack as a result of shrinking while cooling, and it is relatively free from undercut. Even though it may result in excess weld metal, it will not affect the allowable strength of weld determined on the basis of the weld leg size.

As a result of the above observation, the staff concluded that the proposed change to the SNUPPS FSAR Section 3.8.3.6.3.3, applicable to Wolf Creek, is acceptable.

RECEIVING OFFICE

1. Facility(ies) Involved:

(If more than 3, or if generic, write GENERIC)

(Name)

Wolf Creek

Docket Number (if applicable)

0	5	0	0	0	4	6	2

2. Functional Area(s) Involved:

(Check appropriate box(es))

X

operations

construction

safeguards

other (Specify)

onsite health and safety

offsite health and safety

emergency preparedness

3. Description:

(Limit to 100 characters)

G	E	N	E	R	A	L	A	L	E	G	A	T	I	O	N	S	R	E	G	A	R
D	I	N	G	K	E	E	A	N	D	Q	U	A	L	I	T	Y	F	I	R		
S	T																				

4. Source of Allegation:

(Check appropriate box)

X
X

contractor employee

licensee employee

NRC employee

organization (Specify)

other (Specify)

security guard

news media

private citizen

Former Employee

5. Date Allegation Received:

MM	DD	YY
1	2	1
2	8	4

6. Name of Individual Receiving Allegation:

(First two initials and last name)

B. Breslav

7. Office:

R	I	U
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ACTION OFFICE

8. Action Office Contact:

(First two initials and last name)

T. F. Westerman

9. FTS Telephone Number:

7	2	8	-	8	1	0	0
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10. Status:

(Check one)

X

Open, if followup actions are pending or in progress

Closed, if followup actions are completed

11. Date Closed:

MM	DD	YY

12. Remarks:

(Limit to 50 characters)

A/R

13. Allegation Number:

Office	Year	Number
R	1	U
-	2	4
-	A	-
0	1	9
5		