8005190526

Revision 3 Changes

Section	Pages
Pumps	Insert Page P-10a

INSERVICE INSPECTION PROGRAM

Record of Changes

Change Number	Date Entered	INITIALS		
		PORC	P1 Supt	MOO
1	6/25/79	6/22/79	WPA for WFC	D.E. Moody 6/25/79
2	10/18/79		WFC	D.E. Moody 10/22/79
3	5/13/80	5/8/80	WFC 5/12/80	W Kenney 5/13/80

Change Number	Date Entered	INITIALS		
		PORC	P1 Supt	MOO

POOR ORIGINAL

Relief Request Basis

Number: GP-1

Code Paragraph: Table IWP-3100-2

Basis For Relief:

A thorough review of past operating surveillance data and continuing difficulty in obtaining consistent data indicates a need to re-evaluate the ranges specified in the code paragraph listed above. There are many causes for the difference in readings which have no relation to pump degradation. Differences in the manner by which gauges or meters are read, accuracies associated with each instrument, the affect on the instrument system due to the inaccuracies of each component all contribute to readings that are out of specification by more than the 2% allowed by the code.

The nature of the test method required by ASME XI also contributes to the inconsistent data. When establishing the fixed parameter, there can be no tolerance since errors here will compound the error in reading the variable parameter. Because of the instrument inaccuracies and the test method, the data often unjustifiably falls into the required action level of ASME XI. These test method induced discrepancies are not symptomatic of a pump failure.

Based on our experience in surveillance testing since commercial operation in 1972, the ranges proposed in the following section represent reasonable and expected deviations of the pump parameters. The proposed changes only expand the range in the more conservative direction, i.e., allowing more flow or a higher differential pressure. These ranges are consistent with our Safety Analysis in that they do not lower the minimum flow or discharge pressure required.

Alternative:

The high end of the various ranges will be adjusted upward as indicated in the following table:

Parameter	Acceptable	Alert	Action
Q	.94 - 1.08	.90 - <.94 >1.08 - 1.12	<.90 >1.12
ΔP	.93 - 1.08	.90 - <.93 >1.08 - 1.12	<.90 >1.12