

WORK INSTRUCTION FOR
WALKDOWN VERIFICATION
OF THE SEISMIC REANALYSIS
PROGRAM

8604040298 860327
PDR ADOCK 05000271
P PDR

PRELIMINARY

TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE</u>
1.0	PURPOSE	3
2.0	SCOPE	3
3.0	WALKDOWN TEAM	4
4.0	WALKDOWN WORK PACKAGE	4
5.0	WALKDOWN FROCEDURES	5
6.0	CLOSE-OUT	5

1.0 PURPOSE

The purpose of this document is to describe the procedure to be used during the walkdown verification of the piping and supports for the Seismic Reanalysis Program (SRP).

2.0 SCOPE

The scope of the walkdown shall be to verify the following:

- 2.1 The support is correctly located
(ie within specified tolerance).
- 2.2 The support functions as analyzed.
- 2.3 The support is correctly identified
- 2.4 The status of supports designated as "To be Removed"
or "Inactive"
- 2.5 The total number of supports corresponds
to the analyzed piping.
- 2.6 All boundary conditions of the piping
(ie equipment anchorages: type of wall penetrations -
grouted or free, etc.)

PRELIMINARY

2.7 If the piping was analyzed using Code Case N411 damping, then expected seismic pipe movements shall be checked for interferences.

2.8 The piping and supports to be included in this walkdown are those listed in EDCR #84-402.

"Seismic Pipe Reanalysis"

3.0 WALKDOWN TEAM

The walkdown team shall consist of two engineers. At least one of the engineers must be a Y.A.E.C. employee, the other may be a consultant.

4.0 WALKDOWN WORK PACKAGE

A work package shall be prepared for each piping Problem and shall include the following:

4.1 A copy of the Piping Stress Isometric(s) for the piping "Problem".

4.2 Walkdown Verification Checklist for each pipe support (See Attachment A for sample).

PRELIMINARY

5.0 WALKDOWN PROCEDURES

- 5.1 When construction modifications are completed for any piping problem, a walkdown verification shall be performed.
- 5.2 The Walkdown Team shall visually inspect all the supports shown on the Piping Stress Isometrics for compliance as described in Sections 2.1, 2.2, 2.3, 2.4, 2.5, 2.6 and 2.7.
- 5.3 Any discrepancies shall be noted on the Walkdown Checklist, and where applicable, on the Pipe Stress Isometric.
- 5.4 Upon completion of the walkdown, the engineers shall sign both the isometric drawing and the Checklist.
- 5.5 The walkdown packages shall be returned to Mechanical Engineering Group (Framingham) for resolution, if required.

6.0 CLOSE OUT

Upon successful resolution of any discrepancies noted in the Walkdown, the close-out documentation will be the close-out ECN for EDCR #84-402.

PRELIMINARY

WALKDOWN VERIFICATION CHECKLIST

Pipe Stress Problem No. _____

Pipe Stress Isometric Drg. Nos. _____

VERIFICATION ITEMCIRCLE ONE

1. Are the supports located correctly? Yes/No

Comments: _____

2. Do the supports provide their intended design function? Yes/No

Comments: _____

3. Are all the supports correctly identified? Yes/No

Comments: _____
_____4. Is the as built status of "To be Removed" and
"Inactive" supports correct? Yes/NoComments: _____
_____5. Do the total number of supports correspond to the
analyzed pipe stress isometric? Yes/NoComments: _____
_____6. Do the boundary and penetration conditions correspond
to the analyzed pipe stress isometric? Yes/NoComments: _____
_____7. Will the piping impact any objects from expected
seismic motions? (When PVRC damping was used) Yes/NoComments: _____

Signed _____ Date _____ Signed _____ Date _____

PRELIMINARY