

COMANCHE PEAK REVIEW TEAM  
POPULATION DESCRIPTION

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POPULATION NAME: Large Bore Pipe Supports-Rigid

PREPARED BY: John R. [Signature]

RESPONSIBLE QA/QC SUPPORT ENGINEER

DATE: July 23, 1985

REV: 1

SYSTEM, COMPONENTS, AND STRUCTURES:

- Supports for piping systems designated in Section 17A of the FSAR that are safety related and are Safety Class 1, 2 and 3 and Seismic Category I. (see attachment)

POPULATION BOUNDARY:

- Supports for large bore piping (24-inch nominal pipe and larger) meeting the criteria for Safety Class 1, 2, and 3 and Seismic Category I.
- Support components as shown on pipe support drawings. (e.g. structural steel, NF welds, std. mfg. components, plate, bolting material, anchor bolts and nuts HILTI type and Richmond Studs, etc.)
- Supports that are construction complete and final QC accepted up to and including June 17, 1985.
- Supports located in Units 1, 2 and common areas.
- All supports which are safety related and are Safety Class 1, 2 and 3 and Seismic Category 1.
- Only supports which utilize anchors, guides, rigid restraints, and three dimensional restraints.

ITEMS NOT INCLUDED IN THE POPULATION:

- Large bore pipe supports - non-rigid and pipe whip and moment restraints.
- Small bore pipe supports.
- Large bore piping.
- Building structural members.

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DATE: 7/29/85

COMANCHE PEAK REVIEW TEAM  
POPULATION DESCRIPTION

Page 2 of 2

POPULATION NAME: Large Bore Pipe Supports-Rigid

PREPARED BY: *John Green*  
RESPONSIBLE QA/QC SUPPORT ENGINEER

DATE: July 23, 1985  
REV: 1

SPECIFIC INTERFACES:

- ° Between pipe and pipe support components (Integral attachment members are included in this population).
- ° Welds other than those covered under subsection NF (e.g. integral attachment welds) are included in this population.
- ° Between pipe support components and concrete. (Embedment plates and concrete are included in their respective populations).
- ° Between pipe support components and building supplementary steel<sup>1</sup>. (Building steel is included in the structural steel population).

NOTES:

1. Where supplementary steel is included as part of pipe support details, it will be included as an attribute on inspection checklists.

ATTACHMENT  
(POPULATION DESCRIPTION)

| <u>System and Component 1</u>                              | <u>Safety<br/>Class (1)</u> | <u>Applicable<br/>Code or Std. (2)</u> | <u>Code<br/>Class</u> | <u>Seismic<br/>Category</u> |
|--|-----------------------------|--|-----------------------|-----------------------------|
| 1. <u>Reactor Coolant System (RCS)</u>                     |                             |  |                       |                             |
| Supports for Class 1 piping                                | 1                           | ASME III                               | 1                     | I                           |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| 2. <u>Chemical and Volume Control<br/>System (CVCS)</u>    |                             |  |                       |                             |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                | 3                           | ASME III                               | 3                     | I                           |
| 3. <u>Boron Thermal Regeneration<br/>Sub-system (BTRS)</u> |                             |  |                       |                             |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                | 3                           | ASME III                               | 3                     | I                           |
| 4. <u>Safety Injection System (SIS)</u>                    |                             |  |                       |                             |
| Supports for Class 1 piping                                | 1                           | ASME III                               | 1                     | I                           |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| 5. <u>Residual Heat Removal (RHR)<br/>System</u>           |                             |  |                       |                             |
| Supports for Class 1 piping                                | 1                           | ASME III                               | 1                     | I                           |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| 6. <u>Boron Recycle System (BRS)</u>                       |                             |  |                       |                             |
| Supports for Class 3 piping                                | 3                           | ASME III                               | 3                     | I                           |
| 7. <u>Containment Spray System (CSS)</u>                   |                             |  |                       |                             |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                | 3                           | ASME III                               | 3                     | I                           |
| 9. <u>Combustible Gas Control System</u>                   |                             |  |                       |                             |
| Supports for Class 2 piping                                | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                | 3                           | ASME III                               | 3                     | I                           |

| <u>System and Component 1</u>                                    | <u>Safety<br/>Class (1)</u> | <u>Applicable<br/>Code or Std. (2)</u> | <u>Code<br/>Class</u> | <u>Seismic<br/>Category</u> |
|--|-----------------------------|--|-----------------------|-----------------------------|
| 10. <u>Component Cooling Water<br/>System</u>                    |                             |  |                       |                             |
| Supports for Class 2 piping                                      | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |
| 11. <u>Station Service Water<br/>System (SSWS)</u>               |                             |  |                       |                             |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |
| 12. <u>Main Steam, Reheat and<br/>Steam Dump Station</u>         |                             |  |                       |                             |
| Supports for Class 2 piping                                      | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |
| 13. <u>Auxiliary Feedwater System</u>                            |                             |  |                       |                             |
| Supports for Class 2 piping                                      | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |
| 14. <u>Steam Generator Feedwater<br/>System</u>                  |                             |  |                       |                             |
| Supports for Class 2 piping                                      | 2                           | ASME III                               | 3                     | I                           |
| 15. <u>Diesel Generator, Fuel Oil,<br/>and Auxiliary Systems</u> |                             |  |                       |                             |
| Supports for Class 3 piping                                      | 3                           | ASME III&AISC                          | 3                     | I                           |
| 16. <u>Spent Fuel Pool Cooling and<br/>Cleanup System</u>        |                             |  |                       |                             |
| Supports for Class 2 piping                                      | 2                           | ASME III                               | 2                     | I                           |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |
| 17. <u>Liquid Waste Processing<br/>System (LWPS)</u>             |                             |  |                       |                             |
| Supports for Class 3 piping                                      | 3                           | ASME III                               | 3                     | I                           |

| <u>System and Component <sup>1</sup></u>  | <u>Safety<br/>Class (1)</u> | <u>Applicable<br/>Code or Std. (2)</u> | <u>Code<br/>Class</u> | <u>Seismic<br/>Category</u> |
|---|-----------------------------|--|-----------------------|-----------------------------|
| 18. <u>Gaseous Waste Processing<br/>System (GWPS)</u><br>Supports for Class 3 piping  | 3                           | ASME III                               | 3                     | I                           |
| 20. <u>Demineralized and Reactor<br/>Make-up Water System</u><br>Supports for Class 2 piping<br>Supports for Class 3 piping           | 2<br>3                      | ASME III<br>ASME III                   | 2<br>3                | I<br>I                      |
| 21. <u>Vents and Drains System</u><br>Supports for Class 2 piping<br>Supports for Class 3 piping                                      | 2<br>3                      | ASME III<br>ASME III                   | 2<br>3                | I<br>I                      |
| 32. <u>Process Sampling System</u><br>Supports for Class 2 piping   | 2                           | ASME III                               | 2                     | I                           |
| 32a <u>Post Accident Sample Section</u><br>Supports for Class 2 piping  | 2                           | ASME III                               | 2                     | I                           |
| 40. <u>Plant Gas System</u><br>a. Nitrogen system<br>Supports for Class 2 piping<br>b. Hydrogen system<br>Supports for Class 2 piping | 2<br>2                      | ASME III<br>ASME III                   | 2<br>2                | I<br>I                      |

NOTE

1. System and component numbering system corresponds to that shown in FSAR, Section 17A

John Horr

**ERC** EVALUATION  
RESEARCH  
CORPORATION

QI 043 Reinspection  
QI 044 Documentation

QA/QC-RT- 328

DATE: August 8, 1985

TO: T. TYLER, H. LEVIN/J. HONEKAMP, M. JONES, R. CAMP, D. SNOW, R. WILLIAMS, C. HALE (NRC)

FROM: QA/QC Review Team  
Records Management

SUBJ: Document Transmittal

The following documents are attached:

Population Description for:

Concrete Placement      Rev 0      August 5, 1985

If you have any questions regarding this transmittal, please call extension 331.

C. M. Thompson / EDM

C. M. Thompson  
Records Management  
QA/QC Review Team

**Attachments**

cc: ERC File

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J. Christensen  
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