

ORGANIZATION: ITT BARTON INSTRUMENTS
CITY OF INDUSTRY, CALIFORNIA

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| REPORT NO.: | 99900113/82-02 | INSPECTION DATE(S) | 6/22-23/82 | INSPECTION ON-SITE HOURS: | 21 |
| CORRESPONDENCE ADDRESS: ITT Barton Instruments ATTN: Mr. Thomas J. Shideler General Manager 900 South Turnbull Canyon Rd. City of Industry, CA 91749 | | | | | |
| ORGANIZATIONAL CONTACT: Mr. G. R. Welt, Director of Quality Assurance TELEPHONE NUMBER: (213) 961-2547 | | | | | |
| PRINCIPAL PRODUCT: Process Control Instrumentation | | | | | |
| NUCLEAR INDUSTRY ACTIVITY: The current Nuclear Class 1E Equipment produced by ITT Barton is approximately 10% of the total annual sales. | | | | | |
| ASSIGNED INSPECTOR: <u>Alva L. Smith</u> <u>8/25/82</u> Alva L. Smith, Equipment Qualification Section (EQS) Date | | | | | |
| OTHER INSPECTOR(S): J. R. Agee, EQS H. S. Phillips, EQS | | | | | |
| APPROVED BY: <u>H. S. Phillips</u> <u>8-26-82</u> H. S. Phillips, Chief, EQS Date | | | | | |
| INSPECTION BASES AND SCOPE: A. <u>BASES</u> : Appendix B to 10 CFR Part 50. B. <u>SCOPE</u> : Status of previous inspection findings; Class 1E Equipment Qualification Test Program for pressure transmitters and switches to be accomplished in accordance with IEEE 323-1974 and NUREG 0588, Revision 1. | | | | | |
| PLANT SITE APPLICABILITY: The pressure transmitters are currently being tested for use at the Waterford Nuclear Site, Docket No. 50-382. | | | | | |

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| REPORT NO.: 99900113/82-02 | INSPECTION RESULTS: | PAGE 2 of 3 |
| <p>A. <u>VIOLATIONS:</u></p> <p>None</p> <p>B. <u>NONCONFORMANCES:</u></p> <p>None</p> <p>C. <u>UNRESOLVED ITEMS:</u></p> <p>None</p> <p>D. <u>OTHER FINDINGS OR COMMENTS:</u></p> <p>1. Management Meeting - The purpose, scope, nature and current status of the NRC Equipment Qualification Program were reviewed with ITT management personnel. In particular, the role of Region IV in this program was discussed in depth. The format, content, dissemination and publication of NRC inspection reports were also discussed in detail.</p> <p>ITT personnel explained their current efforts in the equipment qualification area. They discussed their current test schedule and the contractors being used to accomplish radiation aging, seismic, and LOCA/HELB testing. Copies of current test plans/procedures were provided to the inspection team (for subsequent NRC review/evaluation), and ITT established a point of contact for the NRC to obtain future test schedule information.</p> <p>2. Tour of Test Facilities - The NRC inspection team toured the test facility to observe specific test apparatus which will be used to perform environmental qualification testing. At present ITT Barton has the in-house capability to perform all thermal aging on products that they are attempting to qualify to IEEE-323-1974. They have the capability to perform limited LOCA/HELB tests; however, their present test facility cannot meet the current required LOCA profiles and as a result LOCA/HELB testing is being performed by Westinghouse. They do not have the capability to accomplish radiation aging or seismic testing in-house; therefore, these tests are being performed by Rockwell (Canoga Park, California) and Southwest Research Institute (San Antonio, Texas), respectively.</p> | | |

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| REPORT NO.: 99900113/82-02 | INSPECTION RESULTS: | PAGE 3 of 3 |
| <p>3. Witness of Test - At the time of this inspection, ITT had four model 763 gage pressure transmitters and four model 764 differential pressure transmitters installed in one of their environmental chambers. These transmitters were undergoing an 85-day post-LOCA test at 200° F and 95-100% relative humidity. All parameters examined by the inspection team were within test plan tolerances. This test was to be completed July 6, 1982, and ITT was informed that a member of the NRC Region IV Equipment Qualification Section would return to witness final functional testing and disassembly.</p> | | |

DOCUMENTS EXAMINED

| 1 | 2 | TITLE/SUBJECT | 3 | 4 |
|---|---|---|---------|-------|
| 1 | 3 | CLASS 1E TEST PROCEDURE ITT BARTON PRESSURE TRANSMITTERS | 1/29/82 | REV01 |
| 2 | 3 | REQUIREMENT CHECK-OFF LIST FOR QUALIFICATION TEST PROCEDURE | N/A | - |
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- Document Types:
1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual

5. Purchas Order
6. Internal Memo
7. Letter
8. Other (Specify-if necessary)

- Columns:
1. Sequential Item Number
 2. Type of Document
 3. Date of Document
 4. Revision (If applicable)

