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| | COMANCHE PEAK REVIEW TEAM POPULATION ITEMS LIST Page 1 of 3 | | | |
|----------|--|--|--|--|
| POPULAT | POPULATION NAME: SMALL BORE PIPING CONFIGURATION | | | |
| PREPARE | D BY: <u>Marine Januar</u> RESPONSIBLE QA/QC SUPPORT ENGINEER REV: 0 | | | |
| | lation Items List consists of all safety related Brown & Root to drawings, both large and small bore piping. | | | |
| | IONS LIST SOURCE: | | | |
| | lation items list (attached) was established using input from: | | | |
| 1. | | | | |
| 2. | Unit 1 and 2 subsystem listing for isometrics requiring ASME III N-5 code stamping (copies attached) received by CPRT in June, 1985. | | | |
| 3. | Unit 1 ASME III N-5 Data Report Index (see Attachment A for index issue dates). Completed indexes do not exist for Unit 2 as ASME III N-5 Data Reports are not yet complete. | | | |
| BASIS FO | R ACCEPTING THE LIST: | | | |
| III safe | lation list includes isometric drawings for all ASME III piping. computerized list of isometrics existed which contained only ASME ty related piping it was necessary to generate the population list those documents listed under the "Population List Source". | | | |
| consider | ces which were used in developing the population items list are ed to be sufficient to provide assurance of a complete population he following is a brief description of each source. | | | |
| 1. | The Document Control Center-Title Report (DCC-TTL.RPT) list all piping isometric drawings and is a sort, using a DCC code for isometrics, taken from the CPSES computerized data base. Data entry into the data base is taken directly from drawings or documents, not from a pre-prepared list of information. Although the DCC-TTL.RPT is not stamped "CONTROLLED" data entry is operationally controlled in that each operator who inputs to the CPSES Data Base is assigned a unique "PASSWORD" which is required for entry into the system. This password restricts the user to specific program(s) versus general access to the data base. The assignment of this password is the responsibility of the computer operators while maintenance of the data base is the responsibility of Document Control. Data entry into the CPSES data base is done | | | |
| APPROVED | BY: fout A PA Mon J.M. Schanf DATE: 8/19/35 DATOC LEAD DISCIPLINE ENGINEER | | | |
| APPROVED | | | | |

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| | COMANCHE PEAK REVIEW TEAM POPULATION ITEMS LIST Page 2 of 3 |
|-------------|---|
| | ION NAME: SMALL BORE PIPING CONFIGURATION |
| PREPARE | D BY: <u>RESPONSIBLE QA/QC SUPPORT ENGINEER</u> DATE: <u>AUGUST 14, 1985</u> REV: 0 |
| ; | |
| | shortly after the isometric drawing is issued out of design. Although a specific B&R procedure does not exist, passwords are assigned using the method outlined in the computer manual. In addition, a weekly lecture is given where passwords are distributed and their use and restrictions explained. This lecture is generic in nature and therefore covers subjects other than piping isometric. |
| 2. | The Unit 1 and 2 subsystem list is a list of isometric drawings for systems which require ASME III N-5 code stamping. The subsystem listing is developed by the B&R Technical Services/Pipe Support Group (TS/PS) and is intended to satisfy the requirements of IOM number CPP-13721, dated 9-19-83; specifically to assist the QA and As-Built Groups in the definition of ASME subsystem boundaries. This group reviews the isometrics listed in DCC-TTL.RPT against piping flow diagrams to determine the need for ASME III N-5 stamping. Since the list of drawings to be reviewed is developed from the DCC-TTL.RPT it can not be considered a totally independent source. |
| 3. <u>.</u> | The ASME III N-5 Data Report Indexes for Unit 1 were developed by a B&R QA/QC Team. These indexes tabulate the information in the ASME III required N-5 data report. Each index is put together based on a review of actual piping system data packages and is therefore independent of the subsystem list and the DCC-TTL.RPT. These indexes include, but are not limited to, items such as piping isometric drawing numbers, support numbers, welds, valves, piping attachments, etc. This is not a controlled report but since it is used in conjunction with a report required to satisfy ASME III code requirements, it is a viable source for input to the Population List. |
| he foll | owing steps were taken in generating the Population List: |
| 1. | The subsystem list was used as the base document in generating the population list. All line items in the subsystem list were checked against the DCC-TTL.RPT. This review is sufficient to establish that the isometric drawing numbers are in fact valid numbers. |
| 2. | All isometrics listed in the DCC-TTL.RPT which were not on the subsystem list were checked to establish if the isometric included any ASME III pipe. This check was made by an actual review of the isometric drawing. If the isometric included ASME III pipe, it was added to the subsystem list. |

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| | | COMANCHE PEAK REVIEW TEAM POPULATION ITEMS LIST | Page 3 of 3 |
|---|---|--|--|
| POPULA | TION NAME: SMALL | BORE PIPING CONFIGURATION | |
| PREPARE | D BY: RESPONSIBLE (| ANALOC SUPPORT ENGINEER | DATE: AUGUST 14, 1985 REV: 0 |
| 1s su ba in | ometrics requiring bsystem list and the sic subsystem list. dex and not on the | N-5 Data Report Indexes, whic ASME III N-5 code stamping, the DCC-TTL.RPT to further est Any piping isometric liste subsystem list or DCC-TTL.RP em list if required. | were compared with the ablish validity of the d on the data report |
| 15 | e final population ometric from the su bsystem list. | list was established by remo bsystem listing and deleting | ving any redundant all reference to a |
| that the list and | e documents used pr | ed in items 1 through 4 above ovide a viable source for the ludes all safety-related B&R nits. | e final population |
| ccepta | y selected prior to nce. Only those co | or Small Bore Piping Configur verification of installation nsidered "QC Accepted" will b for "QC Accepted": | n complete and OC |
| | | | |
| | have been visuall | ipe, pipe to fitting, and pip y accepted by QC as documented Inc. (B&R) weld data card. | pe to component welds ed by QC signature on |
| | have been visuall the Brown & Root, All B&R pipe bran | y accepted by QC as documented | ed by QC signature on |
| 1. | have been visuall the Brown & Root, All B&R pipe bran by QC as document Completion and ac | y accepted by QC as documente Inc. (B&R) weld data card. ch to run pipe welds have bee | ed by QC signature on en visually accepted & weld data card. Operation Traveler by |
| 1. 2. 3. he tota | have been visuall the Brown & Root, All B&R pipe bran by QC as document Completion and ac QC as documented traveler. | y accepted by QC as documented Inc. (B&R) weld data card. ch to run pipe welds have been ed by QC signature on the B&F ceptance of the Construction | ed by QC signature on en visually accepted R weld data card. Operation Traveler by t bolting on the are installation |
| 1. 2. 3. he tota omplete elected stablis hosen f | have been visuall the Brown & Root, All B&R pipe bran by QC as document Completion and ac QC as documented traveler. I number of items and QA accepted will lected which are no sample list and a hed population. In | y accepted by QC as documented Inc. (B&R) weld data card. ch to run pipe welds have bee ed by QC signature on the B&F ceptance of the Construction by QC signature for permanent in the Population List that a | ed by QC signature on en visually accepted R weld data card. Operation Traveler by t bolting on the are installation isometrics. oved from the the previously ping isometrics |

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ATTACHMENT A

UNIT 1 ASME III N-5 DATA REPORT INDEX ISSUE DATE

| System Description | System Designation | Index* Issue Date | |
|-------------------------------------|-----------------------|----------------------|--|
| Auxiliary Feedwater | AF | 10-12-84 | |
| Boron Recycle | BR | 10-12-84 | |
| Compressed Air | CA | 10-11-84 | |
| Compressed Air, Inst. | CI | 10-11-84 | |
| Component Cooling Water | CC | 10-11-84 | |
| Chilled Water | СН | 10-11-84 | |
| Chemical and Volume Control | CS | 10-11-84 | |
| Containment Spray | CT | 10-11-84 | |
| Demin. and Reactor M/U Water | DD | 10-11-84 | |
| Diesel Gen. Fuel Oil | DO | 10-11-84 | |
| Fire Protection | FP | 10-11-84 | |
| Stm. Gen. Feedwater | FW | 10-11-84 | |
| Waste Process, Gas | GH | 10-11-84 | |
| Hydrogen Air (Analyzer | HA | 10-1184 | |
| Main Steam | MS | 10-11-84 | |
| Process Sampline | PS | 10-11-84 | |
| Reactor Coolant | RC | 10-11-84 | |
| Residual Heat Removal | RH | 10-11-84 | |
| Radiation Monitoring | RM | 10-11-84 | |
| Spent Fuel Pool Cooling and Cleanup | SF | 10-11-84 | |
| Safety Injection | SI | 10-11-84 | |
| Station Service Water | SW | 10-11-84 | |
| Heating and Ventilation | VA | 10-11-84 | |
| Vents and Drains | VD | 10-11-84 | |
| Waste Processing, Liquid | WP | 10-11-84 | |

* Date represents actual computer printout run date.

POPULATION ITEMS LIST LARGE BORE PIPE CONFIGURATION

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SMALL BORE PIPE CONFIGURATION