

Condition Report search for the word "Wall Thinning"
associated with Contention 11, FAC

The attached document is a summary report using words Wall Thinning of all condition reports; no culling for relevance has been done. This is not the approach taken for every other word search where the condition reports were reviewed and the actual CR was sent for your consideration. The reason for this is that there are 171 condition reports, and a brief scanning of the CRs indicating they seem to be relevant.

If you need a print out any condition report, please let me know and we will send it to you.

Charlie Caputo

914 734 6656

CR-IP3-2001-04241**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on December 03, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-04241: Wall thinning at third weld upstream of SWN 44-3: NDE report 01R139 (WR 01-76-10) showed remaining wall at a location in line 10"-SWN #12a, "EOC-36", as 0.046". The location is the third weld upstream of SWN-44-3. The code required minimum wall is 0.110", and the thickness required for two years of service is 0.135", per IP3-CALC-SWS-03553, Rev. 0

NOTE: For confirmation and to further characterize the flaw size, a UT examination (01UT182, WR 01-76-10) was performed. This examination revealed

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 11/14/2001 by KAYANI, JOSEPH, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A**CR-IP3-2001-03805****Significance:** C - NO CARB**Reportability:****Operability:****CR Status:** Closed on February 27, 2002**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-03805: Heating propane supply piping has wall thinning: Ultrasonic thickness readings were taken on the heating propane supply piping for the Fabrication Shop occupied by Williams Power. One location of the four examined was found to have an area of pipe wall thinning below 87.5% of the nominal pipe wall thickness (corrosion allowance). Reference UT report 01UT174.

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 10/04/2001 by ALLEN, ROBERT, Quality Assurance Mgmt**Affected Systems:** 0085, N/A**Affected Equipment:** HVAC, N/A**CR-IP3-2001-02792****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-02792: Wall thinning in line 18"-SWN#407: Service Water weld location "EOC-28" in line 18"-#407 was found to have a remaining wall of 0.191" (see NDE report 01UT156) at a location, which is below the Civil/Structural generic calculation IP3-CALC-SWS-01526, Rev. 0 required thickness of 0.2". This weld was an extent of condition inspection due to pinhole leak nearby on line 20"-#407. Line 18"-#407 is the supply line to #32 CCW Hx.

Civil group has done a location specific calculation,

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 07/03/2001 by KAYANI, JOSEPH, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** 18"-#407, N/A

CR-IP3-2001-02124**Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on May 21, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-02124: Rework caused by lack of communication: At the 5/15 day to night SW (Service Water) turnover, dayshift reported that during the extent of condition flange face inspection the engineer noticed a missing piece of concrete liner on the pipe near the flange. Nightshift SW team was requested to perform an inspection, with civil engineering's help, to determine a method of acceptable repair. It was also communicated that this should be performed as soon as possible because Maintenance would

Responsible Dept: Eng P&C Prog & Comp Mgmt**CA&A Contact:** SORRELL, WILLIAM**Originated:** 05/16/2001 by SCHILLINGER, FRED, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A, SWN-44-2**CR-IP3-2001-02123****Significance:** C - NO CARB**Reportability:****Operability:****CR Status:** Closed on June 08, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-02123: Wall thinning on line 10"-#12d, down stream of SWN-44-2: During the EOC inspection for SWN-44-3/4 (see DER 01-01893), a small portion (about 0.5" diameter section) of cement lining was found missing on the pipe 10"-#12d, downstream of valve SWN-44-2. The location is approximately at the weld between the flange and the pipe. UT reading was taken at the weld location, and the remaining wall was found to be .215" (see NDE report 01UT144). The acceptance value for service until R12 is .21", per calculation

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 05/16/2001 by KAYANI, JOSEPH, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** 10"-#12D, N/A**CR-IP3-2001-02096****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-02096: Wall thinning noted during erosion/corrosion examination: No piping replacement required.

During an erosion/corrosion examination, (WR 00-05234-15, HD-04.3A-01R), wall thinning was noted in a reducer and piping downstream of RHD-LCV-1115. This inspection was required due to wall thinning noted in previous inspections.

For the reducer, the minimum wall thickness noted was 0.081" which is greater than the minimum design required thickness of 0.0538". Calculation IP3-CALC-HD-03456 shows the thickness

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 05/15/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:****Affected Equipment:**

CR-IP3-2001-02094**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-02094: Wall thinning noted during erosion/corrosion examination: No piping replacement required.

During an erosion/corrosion examination, (WR 00-05234-25, MSD-01.15B-13E), wall thinning was noted in 6" elbows and piping on the moisture separator drain piping, upstream of the heater drain tank. This inspection was required due to wall thinning noted in previous inspections.

The minimum thickness noted in the exam was 0.184" which is greater than the minimum design required thickness of 0.112" which is pr

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 05/15/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:****Affected Equipment:****CR-IP3-2001-01985****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on May 24, 2002**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01985: Wall thinning noted during erosion/corrosion examination: No piping replacement required.

During an erosion/corrosion examination, (WR 00-05234-09, RHD-02.6B-01E), wall thinning was noted on a 8" elbow downstream of RHD-LCV-1105B. The inspection was required due to wall thinning noted in previous inspections.

The minimum wall thickness noted in the exam was 0.341" which is greater than the minimum design required thickness of 0.334" which is projected through 2003. Preliminary calculation IP3-CA

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 05/11/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:** 0083**Affected Equipment:** N/A, RHD-LCV-1105B**CR-IP3-2001-01984****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on May 24, 2002**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01984: Wall thinning noted during erosion/corrosion examination: No piping replacement required.

During an erosion/corrosion examination, (WR 00-05234-04, RHD-02.1A-02R), wall thinning was noted on a 4" X 6" reducer downstream of RHD-LCV-1104. The inspection was required due to wall thinning noted in previous inspections.

The minimum wall thickness noted in the exam was 0.264" which is greater than the minimum design required thickness of 0.241" which is projected through 2003. Preliminary calculation

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0083

Originated: 05/11/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: N/A, RHD-LCV-1104

CR-IP3-2001-01952

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on May 18, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01952: Wall thinning found on extraction steam piping during insp.: Wall thinning was found on the extraction steam piping during a E/C examination below the 70% screening criteria of AP-49. No EOC required as numerous points are scheduled for the extraction steam this outage. Preliminary calculation in progress to determine remaining service life. Preliminary calculation shows remaining service life > R12. Issue ACTS to PEP to track completion of calculation.

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems:

Originated: 05/10/2001 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Equipment:

CR-IP3-2001-01921

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on July 30, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01921: Wall thinning noted during erosion/corrosion examination: No piping replacement is required.

During an erosion/corrosion examination, (WR 00-04521-01, 01-PT-5), wall thinning was noted on three (3) piping segments downstream of MS-PCV-1152 and MS-196. This inspection was required as a leak was found on a downstream tee, which is to be repaired this outage (WR 99-05280-00). This piping consists of 1 1/2" piping which is located on the HP turbine, for HP cylinder steam heating & seals.

The minim

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems:

Originated: 05/09/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment:

CR-IP3-2001-01866

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT INOPERABLE

CR Status: Closed on May 31, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01866: Wall thinning noted during erosion/corrosion examination: Pipe replacement will be required. PID 01423 issued to replace reducer immediately downstream of RHD-LCV-1105.

During an erosion/corrosion examination (WR 00-05234-05, RHD-02.1B-02R) wall thinning was noted on a reducer downstream of RHD- LCV-1105. This inspection was required as a follow-up to 1999 erosion/corrosion exams on this component, located at A/19 TB el. 39'.

The minimum wall thickness noted on the exam was 0.239" which is approach

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0083

Originated: 05/07/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: RHD-LCV-1105

CR-IP3-2001-01855

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on May 11, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01855: FO and OTBD work not scheduled into R11: CARB requested this DER based on a summary status of the erosion/corrosion program presented to CARB on May 7th. Several work items (valves MS-HCV-416-3, 4 and trap MST-60) were noted as "leakers" on the Performance engineering report but were not scoped into the refuel outage. This could result in excessive E/C and MWe lost. These 2 valve and 5 traps were scoped into the outage after wall thinning exams noted wall loss. CARB requested that

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0114

Originated: 05/07/2001 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Equipment: MS-HCV-416-3

CR-IP3-2001-01809

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on May 22, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01809: Wall thinning was found on piping downstream of LCV-1104B: No pipe replacement is required. Wall thinning was found just below the 70% screen of AP-49 requiring a DER. This is a followup examination from a 1992 inspection. Preliminary calc. shows remaining life is up to R13. No EOC is required as various piping downstream of LCV's have been inspected this outage and previous outages.

Recommend issue a startup ACTS be issued to PEP (M-4) to finalize preliminary calculation. Due date of 5/12.

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: N/A

Originated: 05/05/2001 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Equipment: LCV-1104B

CR-IP3-2001-01738

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on May 14, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01738: Wall thinning on piping upstream/dwnstrm of MS-HCV-416-3 & 4: Wall thinning was noted on piping upstream/downstream of MS-HCV-416-3 & 4 (Turbine Stop trip valves). These valves have been leaking during the cycle and are not scheduled for repair this outage although PIDS and WR's exist for these valves. Approx. 0.5 MWe loss for each valve is estimated by Performance. The pipe wall thinning noted is acceptable by calculation to R12 but if the valve leaky got worse during the cycle the E/C rate would incr

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0114

Originated: 05/03/2001 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Equipment: MS-HCV-416-3

CR-IP3-2001-01708

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on July 30, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01708: Wall thinning noted during erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-05234-17, HD-04.3C-01R) wall thinning was noted on a reducer downstream of LCV-1117. Minimum wall thickness noted on the exam was 0.147" which is greater than the minimum design required thickness of 0.112" which is projected through R11/2003. Preliminary calculation shows remaining service life of 5.5 years. (IP3-CALC-HD-02472).

Calculation is to be finalized , ACTS issued to track calculatio

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0083

Originated: 05/02/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: LCV-1117

CR-IP3-2001-01691

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on July 30, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01691: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04451-06, 01-PT-21) wall thinning was noted on the 4" extraction steam trap drain header which drains EST 1 thru 4 and 1A. This inspection was required as the wall thinning was noted on similar components. Inspected piping included elbows upstream of the drains collecting tank located at B4/14.3, 15' TB.

The minimum wall thickness noted in the exam was 0.035" which is less than the minimum des

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0109

Originated: 05/01/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: EST-1, N/A

CR-IP3-2001-01595**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on April 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01595: Wall thinning at GL 89-13 Location PAB-31: During the Generic Letter 89-13 inspections, location PAB-31, on the 14" section of line 408 located in the 41' el. of the pipe penetration area, was found to have wall thinning. Minimum required code thickness was 0.113" with a 1/2" section being as low as 0.114". Civil engineering has reviewed this and found that there is no operability issue up to R11. Repair will be required in R11.

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/28/2001 by MORAN, TIMOTHY, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A**CR-IP3-2001-01593****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on April 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01593: Wall thinning found at GL 89-13 Location EOC-26: During the Generic Letter 89-13 inspections, location EOC-26, on the 24" line 408 in the room with the rock area, was found to have wall thinning. Minimum code thickness was .151", while a 1" length was found to be 0.132". Civil engineering has reviewed this and found that there is no operability issue up to R11. Repair will be required in R11.

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/27/2001 by MORAN, TIMOTHY, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A**CR-IP3-2001-01565****Significance:** C - NO CARB**Reportability:****Operability:****CR Status:** Closed on September 23, 2002**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01565: Discrepancies regarding Comparative Density RT results: The radiographic (RT) comparative density method of determining wall thinning has been shown to provide excellent results to screen for effected areas of service water piping. However, discrepancies have occurred in determining the extent of remaining wall thickness in thinned areas using NDE procedure 9.3 (I) instructions. Therefore, each of the GL 89-13 inspection points recently radiographed that revealed wall thinning was followed up with a

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/26/2001 by ALLEN, ROBERT, Quality Assurance Mgmt**Affected Systems:** 0101, 0151, N/A**Affected Equipment:** CCW HTX 31, N/A

CR-IP3-2001-01552**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on April 27, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01552: Wall Thinning Found at GL 89-13 Location PAB-60: Follow-up ultrasonic measurements to the radiography exam of point PAB-60 in the Generic Letter 89-13 (service water inspection) program has found wall thinning. One 7/8" diameter location has a wall thickness of 0.090" while the minimum allowable thickness is 0.1363" for this location (18" line 509).

Review by Civil Engineering shows that there is no operability concern for this point between now and R11(ref. IP3-CALC-SWS-03200, p. 9 of 18).

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/26/2001 by MORAN, TIMOTHY, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A**CR-IP3-2001-01524****Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on July 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01524: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04530-01, 01-PT-39), wall thinning was noted downstream of MST-28. The inspection was required as the steam trap was leaking and was noted by performance test personnel via PFM-59. The minimum wall thickness noted in the exam was 0.133" which is greater than the minimum design required thickness which is projected through R11/2003, based on preliminary calculations. The measured wall thickness of

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/24/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:** 0108, 0111**Affected Equipment:** MST-28, N/A**CR-IP3-2001-01522****Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on April 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01522: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04526-03, 01-PT-25) wall thinning was noted on the common discharge piping downstream of Main Steam Traps MST-60 and MST-31. This inspection was required as the wall thinning was noted on similar components. The piping consists of 1" and 2" piping which ultimately connects to the 31 Drain Collecting Tank.

The minimum wall thickness noted in the exam for 1" piping was 0.065" which is less than the

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/24/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:** 0028**Affected Equipment:** MST-31, N/A

CR-IP3-2001-01494**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on April 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01494: Wall thinning at valve SWN-528: During NDE inspections associated with Generic Letter 89-13, localized thinning was found at valve SWN-528, the inlet service water isolation to the motor cooler for 35 Fan Cooler Unit (FCU). The rate of thinning is such that the valve will need to be replaced during R12, but poses no operability concern at this time.

Responsible Dept: Eng P&C Prog & Comp Mgmt**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/23/2001 by MORAN, TIMOTHY, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0101, 0151**Affected Equipment:** N/A, SWN-528**CR-IP3-2001-01493****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 17, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01493: Localized wall thinning at NDE location VC-35-1: During the NDE inspections associated with Generic Letter 89-13, localized thinning was found at location VC-35-1, a weld on the three inch 904L stainless pipe associated with the 35 Fan Cooler Unit (FCU). The depth of the thinning is such that it will not make it to R12 without developing a leak. However, it is still above the limit for structural integrity going into R11 and therefore is NOT an operability concern at this time.

Responsible Dept: Eng P&C Prog & Comp Mgmt**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/23/2001 by MORAN, TIMOTHY, Eng P&C Prog & Comp Mgmt**Affected Systems:** 0101, 0151**Affected Equipment:** CRF5, N/A**CR-IP3-2001-01322****Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on July 25, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-01-01322: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04523-02, 01-PT-24) wall thinning was noted on piping downstream of Main Steam Trap MST-80 (Main Steam Balancing Line). This inspection was required as the trap was noted as blowing by and was noted by performance test personnel via PFM-59.

The minimum wall thickness noted in the exam was 0.103" which is greater than the minimum design required thickness of 0.061" which is projected through R11/2

Responsible Dept: Unknown**CA&A Contact:** SORRELL, WILLIAM**Originated:** 04/12/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt**Affected Systems:** 0108**Affected Equipment:** MST-80, N/A

CR-IP3-2001-01301

Significance: D - ADMIN CLOSE

Reportability:

Operability:

CR Status: Closed on July 25, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01301: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 04379-12, 01-PT-11), wall thinning was noted on piping downstream of valve MS-HCV-416-4. The inspection was required as the valve is leaking and was noted by performance test personnel via PFM-59.

The minimum wall thickness noted in the exam was 0.140" which is greater than the minimum design required thickness of 0.103" which is projected through R11/2003. (calculation IP3-CALC-MS-03394). No cor

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0114

Originated: 04/11/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: MS-HCV-416-4

CR-IP3-2001-01297

Significance: D - ADMIN CLOSE

Reportability:

Operability:

CR Status: Closed on July 25, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01297: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04379-10, 01-PT-09), wall thinning was noted on piping downstream of valve MS-HCV-416-1. This inspection was required as the valve is leaking and was noted by performance test personnel via PFM-59.

The minimum wall thickness noted in the exam was 0.134" which is greater than the minimum design required thickness of 0.077" which is projected through R11/2003. (Calculation IP3-CALC-MS-03394). No

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0114

Originated: 04/11/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: MS-HCV-416-1

CR-IP3-2001-01285

Significance: D - ADMIN CLOSE

Reportability:

Operability:

CR Status: Closed on July 25, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01285: Wall thinning noted on erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04379-09, 01-PT-08), wall thinning was noted on piping downstream of valve MS-HCV-146-2. The inspection was required as a pinhole leak was discovered at a weld in upstream piping, and similar valves are currently leaking (MS-HCV-416-1, 3 and 4) which were noted by performance test personnel via PFM-59.

Tha minimum wall thickness noted in the exam was 0.129" which is greater than the minimum desi

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Originated: 04/11/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Systems: 0114

Affected Equipment: MS-HCV-416-2, N/A

CR-IP3-2001-01186

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on June 26, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01186: Wall thinning noted during erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04379-08, 01-PT-33), wall thinning was noted on piping downstream of valve VCD-PCV-7009. This inspection was required as the valve is leaking and was noted by performance test personnel via PFM-59. The minimum wall thickness noted in the exam was 0.160" which is greater than the minimum design required thickness of 0.137" which is projected through R11/2003, (calculation IP3-CALC-MULT-03392). No

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Originated: 04/04/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Systems: 0113

Affected Equipment: N/A, VCD-PCV-7009

CR-IP3-2001-01145

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on June 26, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01145: Wall thinning noted during erosion/corrosion examination: During an erosion/corrosion examination, (WR 00-04451-07), wall thinning was noted downstream of steam trap EST-2. The inspection was required as the steam trap was leaking and was noted by performance test personnel via PFM-59. The minimum wall thickness noted in the exam was 0.067" which is greater than the minimum design required thickness of 0.045" which is projected through R11/2003. Calculation IP3-CALC-EX-03361. EOC is being addressed

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Originated: 03/31/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Systems: 0109

Affected Equipment: EST-2

CR-IP3-2001-01139

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on April 13, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01139: Wall thinning noted during an erosion/corrosion examination: Wall thinning was noted on E/C point 01-PT-07 during inspection per WR 00-04451-09. The wall thinning was noted on piping upstream of an orifice block that connects downstream of MS-FCV-1158. Preliminary calculations shows remaining service life is 7.5 years. Calculation to be finalized. ACTS issued to track calculation completion. This inspection was a followup from an R9 inspection which noted wall thinning on piping upstream of FCV-1158.

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems:

Originated: 03/30/2001 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Equipment:

CR-IP3-2001-01096

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on April 13, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01096: Wall thinning noted during erosion/corrosion examination: During an erosion/corrosion examination (WR 00-04379-07), wall thinning was noted on MSR Vent Chamber Drain piping downstream of MSR 32B, located 2'6" south and 11'6" west of F/20, approx. el. 45'. This inspection was required due to wall thinning noted on previous inspection in 1999. The minimum wall thickness noted on the exam was 0.151" vs. design required thickness of 0.123 based on calculation IP3-CALC-MSR-02273. ACTS item issued to track

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems:

Originated: 03/28/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment:

CR-IP3-2001-01045

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on June 26, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-01-01045: Wall thinning noted during erosion/corrosion examination.: During an erosion/corrosion examination wall thinning was noted on piping downstream of HD-LCV-7003. This inspection was required as the valve is leaking and was noted by performance test personnel via PFM-59.

The minimum wall thickness noted in the exam. was 0.157" which is greater than the minimum design required thickness of 0.130" which is projected through R11/2003. No corrective actions required. Valve HD-LCV-7003 is scheduled to be r

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0083

Originated: 03/22/2001 by HARTJEN, HARRY, WPO Eng Programs Mgmt

Affected Equipment: HD-LCV-7003

CR-IP3-2000-02690

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on June 21, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-00-02690: IP2 City Water pipe header degradation: Based on a walkdown of IP2 City Water supply piping to the IP3 AFW pupms, localized wall thinning due external corrosion on the piping upstream of valves CT-49, and FP-359 was observed. The affected piping is the 12" header to the IP3 branch locations, in the IP1 Utility Tunnel. The City Water piping is

relied upon as an alternate supply to the CST to meet tornado design criteria.
A Con Edison/Altran preliminary report has been generated to sho

Responsible Dept: Systems Eng Mgmt

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0075, 0215

Originated: 10/19/2000 by KAYANI, JOSEPH, Systems Eng Mgmt

Affected Equipment: N/A

CR-IP3-2000-01809

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on August 07, 2000

Classification Code: NON-SIGNIFICANT

Description:

DER-00-01809: Wall Thinning detected in #33A & C FWH vent line.: During erosion/corrosion inspection on #33A and #33C feedwater heater vent line wall thinning was detected below the requirement of AP-49, below 70% nominal thickness Of 0.108 inches. The measured wall is 0.062 and 0.099 inches respectively.

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems:

Originated: 07/20/2000 by MEW, IAN, WPO Eng Programs Mgmt

Affected Equipment:

CR-IP3-2000-01580

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on July 05, 2000

Classification Code: NON-SIGNIFICANT

Description:

DER-00-01580: NDE report inconsistent with engineering dwg.: During the planning stages to repair a service water piping weld for wall thinning, it was discovered that the sketch attached to the NDE UT report did not match the engineering drawing of the piping section. This work is being planned for RO-11 and is designated as "VC-48". It should be noted that once the insulation has been removed from the weld, the grid marked directly on the pipe during the examination should clarify this discrepancy.

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Affected Systems: 0151

Originated: 06/22/2000 by ALLEN, ROBERT, Quality Assurance Mgmt

Affected Equipment: N/A

CR-IP3-2000-01544

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on July 27, 2000

Classification Code: NON-SIGNIFICANT

Description:

DER-00-01544: 8" Service Water Screen Wash Header Corrosion: When insulation was removed to investigate water dripping from an elbow on the 8" Service Water Screen Wash header, no leaks were found (the water was apparently caused by condensation) but the exposed surface of the piping was heavily scaled with rust. Follow-up UT (Report No. 00UT022) inspections found wall thickness in pitted areas at 0.225" (nominal wall thickness is 0.322"). Generic calculation IP3-CALC-SWS-01595 shows that this amount of wa

Responsible Dept: Unknown

CA&A Contact: SORRELL, WILLIAM

Originated: 06/20/2000 by BRISTOL, CHARLES, MP&C Mgmt

Affected Systems: 0151

Affected Equipment: N/A

CR-IP3-1999-02043

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on January 05, 2000

Classification Code: NON-SIGNIFICANT

Description:

DER-99-02043: Wall thinning in Main Steam Drain Header Piping: The DER is written to document extent of condition for DER 99-01962 and 99-01783. As part of the extent of condition examination performed on the 3" Main Steam Drain header in the Aux. Feed. Bldg., the connection to the MSD header from MST-13 requires replacement. PID 61920 was written to document its replacement, but physical work will be completed under WR 99-03538 for replacement of the connection from MST-18. As part of the extent of condi

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact: On File

Originated: 09/24/1999 by SHERMAN, JAMES, WPO Eng Programs Mgmt

Affected Systems: 0000, N/A

Affected Equipment: F42-0108, N/A

CR-IP3-1999-02003

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 30, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-02003: Wall thinning noted on #35 extraction steam piping.: Wall thinning was noted on various 35 extraction steam points that will require weld overlay this outage. These are re-inspections from previous outages. Weld overlay is required on point EX-02.17-03E and EX-02.17-04P. Other areas are acceptable by draft calculation IP3-CALC-EX-03119.

Pid 61674 was initiated pre-outage for potential repairs.

No EOC is anticipated as extensive examinations were scheduled in R10 to determine if pipe rep

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact: On File

Originated: 09/22/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Systems:

Affected Equipment:

CR-IP3-1999-01962

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 30, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01962: Wall thinning found on MS 3" header piping.: Wall thinning was found on the Main Steam trap 3" drain header piping. Found on non-safety portion per review of ISI drawing. Not a safety or operability issue as plant is shutdown.

Wall thinning was noted on the 1" x 3" tees as shown on drawing F-20413 on the piping downstream of traps 3, 4, 18, 20. Will require repair this outage on some of the locations.

Piping on MST-18 had a weld overlay installed in R9 due to wall thinning. Wall los

Responsible Dept: Unknown

CA&A Contact: On File

Originated: 09/20/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Systems:

Affected Equipment:

CR-IP3-1999-01952

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT INOPERABLE

CR Status: Closed on September 27, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01952: Pipe Wall Thinning at Service Water Weld "VC-23": As part of the planned NRC G.L. 89-13 Service Water System Corrosion Monitoring Program R10 inspections, a localized spot of pipe wall thinning has been found in Line 10"-#12c at weld location "VC-23". This is the #34 FCU SW return line in the VC and is ASME Code Class "3A" at this location. The measured wall thickness is below code allowable minimum. Ref. QA NDE Report 99UT206 and IP3-CALC-SWS-03023. The piping is cement-lined carbon steel

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/19/1999 by PENNINO, DENNIS, Systems Eng Mgmt

Affected Systems: 0101, 0151, N/A

Affected Equipment: LINE #12C, N/A

CR-IP3-1999-01948

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 27, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01948: Wall Thinning Found at SW Weld "VC-37" #31 FCU Return: As part of the planned R10 Service Water System G.L. 89-13 Corrosion Monitoring Program, pipe wall thinning has been found at weld location "VC-37" in line 10"-#12b. UT thickness readings at the weld are below code allowable minimum. Reference QA NDE Report 99UT200 & IP3-CALC-SWS-03023. This line is the #31 FCU SW return line and is ASME Code Class 3A. Requires repair prior to restart. Piping is cement-lined carbon steel. Due to the size of

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/19/1999 by HUMPHRIES, JOHN, Systems Eng Mgmt

Affected Systems: 0101

Affected Equipment: CRF1(COOL HTX), N/A

CR-IP3-1999-01945

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 27, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01945: Wall Thinning Found at SW Weld "VC-49" (FCU #35 Supply): As part of the planned R10 Service Water System G.L. 89-13 Corrosion Monitoring Program, pipe wall thinning has been found at weld location "VC-49" in line 10"-#11e. UT thickness readings at the weld are below code allowable minimum. Reference QA NDE Report 99UT191 & IP3-CALC-SWS-03023. This line is the #35 FCU SW supply line and is ASME Code Class 3A. Requires repair prior to restart. Piping is cement-lined carbon steel.

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File
Affected Systems: 0101

Originated: 09/18/1999 by HUMPHRIES, JOHN, Systems Eng Mgmt
Affected Equipment: CRF5(COOL HTX), N/A

CR-IP3-1999-01943**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT INOPERABLE**CR Status:** Closed on September 27, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01943: PIPE WALL THINNING AT WELD VC-36 IN LINE 10"-#12c: As part of the planned R10 Service Water System G.L. 89-13 Corrosion Monitoring Program, pipe wall thinning has been found at weld location "VC-36" in line 10"-#12c. UT thickness readings at the weld are below code allowable minimum. Reference QA NDE Report 99UT193 & IP3-CALC-SWS-03023. This line is the #34 FCU SW return line and is ASME Code Class 3A. Requires repair prior to restart. Piping is cement-lined carbon steel.

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File
Affected Systems: 0101, 0151

Originated: 09/18/1999 by PENNINO, DENNIS, Systems Eng Mgmt
Affected Equipment: N/A

CR-IP3-1999-01942**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT INOPERABLE**CR Status:** Closed on September 27, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01942: Wall Thinning Found at SW Weld "VC-39" (#35 FCU SW Return): Wall thinning below code minimum requirements has been found at Service Water weld location VC-39 in #35 FCU SW return line 10"-#12e. This weld is between sections of 904L stainless steel piping and is ASME Code Class 3A. Ref. QA NDE Report 99UT189 & IP3-CALC-SWS-03023.

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File
Affected Systems: 0101, 0151

Originated: 09/18/1999 by PENNINO, DENNIS, Systems Eng Mgmt
Affected Equipment: CRF5(COOL HTX), N/A

CR-IP3-1999-01929**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** OPERABLE - JUDGEMENT**CR Status:** Closed on September 23, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01929: Pipe Wall Thinning Found in SW line 18" #409;line 10" #12d: As part of GL 89-13 SW System corrosion monitoring program the following weld locations were found to be below minimum code wall thickness.

"PAB-9" in line 18" #409 was found to have a minimum wall thickness of 0.101 ". Additionally there is an area measuring along the circumference of the weld below the code minimum. The defect measures between 6" and 10". The code required minimum wall thickness as per calculation IP3-CALC-SWS-03023 is 0.17

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/18/1999 by HUMPHRIES, JOHN, Systems Eng Mgmt

Affected Systems:

Affected Equipment:

CR-IP3-1999-01922

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: OPERABLE - JUDGEMENT

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01922: SW WELD "PAB-8" BELOW CODE MIN. WALL THICKNESS: Service Water weld location "PAB-8" in line 18"-#409 was found to have wall thinning below the required minimum code allowed wall thickness per IP3-CALC-SWS-03023. Found as part of the G.L. 89-13 Corrosion Monitoring Program R10 inspections. Ref. QA NDE Report #99UT185. This weld was a "follow-up" inspection due to wall thinning first identified in the R09 outage. Line 18"-#409 is the 1/2/3 SW header supply line to the 5 FCUs and is ASME Code

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/17/1999 by PENNINO, DENNIS, Systems Eng Mgmt

Affected Systems: 0151, N/A

Affected Equipment: *LINE #409, N/A

CR-IP3-1999-01911

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: OPERABLE - JUDGEMENT

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01911: Piping Wall Thinning Found In SW Lines 10"-#11c & 18"-#408: As part of the G.L. 89-13 Service Water System Corrosion Monitoring Program

1) Weld location "EOC-19" in line 10"-#11c was found to be below the minimum wall thickness. The minimum measured wall thickness is 0.067" which is below the required code minimum wall of 0.110" per IP3-CALC-SWS-03023. Reference QA NDE report no. 99UT177. This line is the supply to # 34 FCU on the 1/2/3 header SW.

2) Weld location "EOC-25" in line 18"-#408 was found

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/16/1999 by HUMPHRIES, JOHN, Systems Eng Mgmt

Affected Systems: 0151, N/A

Affected Equipment: LINE 10"-#11C, N/A

CR-IP3-1999-01906

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT INOPERABLE

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01906: SIGNIFICANT WALL THINNING FOUND IN #34 FCU SW SUPPLY LINE: As part of the extent of condition examinations associated with DER-99-01821, NDE was performed of Service Water piping weld location "EOC-20" in the #34 FCU SW supply line (10"-#11c). This weld was found to have over 85% wall thickness loss, and as such, does not meet the ASME Code required minimum wall thickness. Reference QA NDE Report 99UT178 and IP3-CALC-SWS-03023. No through wall leakage is evident at this time but the piping at this loc

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File
Affected Systems: 0151

Originated: 09/16/1999 by PENNINO, DENNIS, Systems Eng Mgmt
Affected Equipment: N/A, SWN-41-4

CR-IP3-1999-01900

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01900: Wall thinning noted during an erosion/corrosion examination: During a wall thinning examination a 4" x 8" reducer downstream of LCV-1105B (reheater drain) was found to have a wall loss below the AP-49 screening criteria of 70% for non-safety related pipe. With the plant shutdown this is not a safety issue as the line is not in operation.

Wall loss is approx. 45% of nominal wall of .5". Based on predicted E/C rates the component would not meet design pressure loads in R11.

The reducer requires re

Responsible Dept: Unknown

CA&A Contact: On File
Affected Systems:

Originated: 09/16/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt
Affected Equipment:

CR-IP3-1999-01897

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01897: Wall thinning found on Steam Generator Blowdown line # 45: During a wall thinning examination wall thinning was noted on line 45 below the screening criteria (87.5% of nominal wall) of AP-49 for safety related piping. Wall thinning was detected in 2 areas that was approx. 85% of nominal. Preliminary calculations performed prior to R10 show that the piping can have a wall loss > 50%. Calculations are being finalized (IP3-CALC-SGBD-03111) which will determine the remaining service life. No repair or replace

Responsible Dept: Unknown

CA&A Contact: On File
Affected Systems:

Originated: 09/16/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt
Affected Equipment:

CR-IP3-1999-01876

Significance: C - NO CARB

Reportability:

Operability:

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01876: Wall thinning found on Steam Generator Blowdown line-Line 47: Wall thinning was noted during an erosion/corrosion examination for Steam Generator Blowdown Line 47 (S-G #33) below the 87.5% pipe wall screen required by AP-49 for safety related piping. The lowest reading was 81% of nominal wall. Preliminary calculations performed prior to R10 noted that the wall thinning can be as low as 52% of nominal and meet all design loads. These calculations are currently being finalized. A remaining service life will

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact: On File

Originated: 09/15/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Systems:

Affected Equipment:

CR-IP3-1999-01862

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT INOPERABLE

CR Status: Closed on November 20, 2001

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01862: PIPE WALL THINNING FOUND IN SW LINE 24"-#409: As part of the G.L. 89-13 Service Water System Corrosion Monitoring Program, weld location "PAB-26" in line 24"-#409 was found to be below the minimum required wall thickness. The minimum measured wall thickness is 0.155" which is below the required code minimum wall of 0.161" per IP3-CALC-SWS-03023. Reference QA NDE report no. 99UT137. This line is the 1/2/3 header SW supply line to the VC & PAB and is QA Category I and ASME Code class 3. Re

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/14/1999 by PENNINO, DENNIS, Systems Eng Mgmt

Affected Systems: 0151, N/A

Affected Equipment: LINE 24"-#409, N/A

CR-IP3-1999-01821

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: OPERABLE - JUDGEMENT

CR Status: Closed on September 23, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01821: WALL THINNING FOUND IN SW LINE 10"-#11c: Service Water piping weld location # "PAB-28" was found to have wall thinning below the required ASME Code minimum wall thickness. The measured wall thickness was also below that required for a 2 year service life. This weld is located downstream of containment isolation valve SWN-41-4 between the CIV and the containment wall in ASME Code Class "3A" piping. Must be repaired in R10. Ref. IP3-CALC-SWS-03023, & QA NDE Report 99UT133. Found as p

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 09/10/1999 by PENNINO, DENNIS, Systems Eng Mgmt

Affected Systems: 0151, N/A

Affected Equipment: LINE 10"-#11A, N/A

CR-IP3-1999-01783

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: ADMIN - NA

CR Status: Closed on September 14, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-99-01783: Wall thinning noted during an Eorions/Corrosion examination: Wall thinning was noted during an inspection which exceeds the screening criteria of 70% in AP-49. Wall thinning was noted on the 4" main steam drain header piping. Piping is considered operable based on preliminary evaluation by review of B31.1 Code minimum tensile stress and also because the thinning is very localized. Not a safety hazard. Review by R. Penny/HY Chang. Further evaluation for remaining servc life and/or replacement is requi

Responsible Dept: Unknown

CA&A Contact: On File

Originated: 09/03/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt

Affected Systems: 0108, N/A

Affected Equipment: N/A, PIPING

CR-IP3-1999-01772**Significance:** C - NO CARB**Reportability:****Operability:****CR Status:** Closed on September 14, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01772: Wall thinning noted on MS drain piping: During an erosion/corrosion examination wall thinning was noted on some 4" steam drain piping. Drawing reference is 9321-F-21303. DER was initiated per AP-49 as wall thinning was noted for locations 2 and 4 which was less than 70% of nominal wall thickness.

Minimum reading was 0.162". This is acceptable for continued operation but requires replacement during R10. This is based on evaluation per engineering standard ESM:CES-7," Procedure fo

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 09/01/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt**Affected Systems:****Affected Equipment:****CR-IP3-1999-01743****Significance:** D - ADMIN CLOSE**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on September 02, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01743: Wall thinning in EDG SW piping line 1099: Address any "Extent of Condition" OR "Safety Impact" Wall thinning was found during NDE UT inspection of weld CB-3 in SW 10? line #1099 Ref QA NDE Report No 99UT105. Minimum required code wall thickness is 0.110. A minimum thickness of 0.141? was found in the weld. The pipe is not leaking and the location is acceptable structurally and is considered operable per IP3-CALC-SWS-03023 Rev 0C. In accordance with NRC GL 90-05 an additional sample

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 08/30/1999 by MOSHER, GEORGE, Systems Eng Mgmt**Affected Systems:****Affected Equipment:****CR-IP3-1999-01734****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on October 18, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01734: WALL THINNING IN EDG SW PIPING LINES 1093 & 1099: As part of the DER-99-01677 extent of condition NDE examinations of the Service Water supply lines to the EDG's, wall thinning was found in 10" Line #'s 1093 & 1099. Ref. QA NDE Report Nos. 99UT103 & 99UT104. Minimum required code thickness is 0.110", and a wall thickness of 0.135" is required for a two year service life. A thickness of 0.117" was found in line 1093 (ID # "EOC-1"), and a thickness of 0.099" was found in line 1099 (ID # "EOC-2"

Responsible Dept: Unknown**CA&A Contact:** COULEHAN, VINCENT**Originated:** 08/27/1999 by PENNINO, DENNIS, Systems Eng Mgmt**Affected Systems:** 0048, 0151, N/A**Affected Equipment:** LINE 10"-#1093, N/A

CR-IP3-1999-01662**Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on August 19, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01662: Inadequate Craft labor assigned wall thinning examinations: Craft labor resource schedule required that 4 pipefitters be assigned daily to support the Erosion/Corrosion inspection program (pipe prep). In addition, craft labor is not consistent, i.e. we have different craft assigned each day. Prior to job initiation it was decided we would use a dedicated crew and avoid rotation of craft personnel to improve productivity in comparison to R9.

In a meeting with Construction personnel corrective actions

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 08/17/1999 by PENNY, ROBERT, WPO Eng Programs Mgmt**Affected Systems:** N/A**Affected Equipment:** PIPING**CR-IP3-1999-01661****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** OPERABLE - JUDGEMENT**CR Status:** Closed on September 23, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-01661: #36 SW PUMP DISCHARGE PIPING WALL THINNING FOUND AT FI-1139: Radiography (RT) was conducted of the FI-1139 annubar connection to #36 Service Water Pump discharge line 14"-SWN-#1086 under WR 98-05100-30. A measured low value of 0.105" was found for the 3" annubar piping. Nominal wall thickness for a 3" schedule 40 pipe is 0.216" and the measured value is below 87.5% of nominal (0.189"). Reference QA NDE Report 99R140. Per design drawing 9321-F-70020, this 3" annubar connection was not installed with a p

Responsible Dept: Systems Eng Mgmt**CA&A Contact:** On File**Originated:** 08/16/1999 by PENNINO, DENNIS, Systems Eng Mgmt**Affected Systems:** 0151**Affected Equipment:** FI-1139, N/A**CR-IP3-1999-00868****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** OPERABLE - JUDGEMENT**CR Status:** Closed on December 07, 2000**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-00868: Wall thinning on weld downstream of SWN-34-2: The weld immediately downstream of SWN-34-2 on line #407 was UT'd as EOC of DER 99-00759. Localized areas of thinning below the 87.5% of nominal were encountered with a small area as low as .155". The acceptance criterion of .199" has been pre-established, using worse case stresses for this pipe. This must be refined to determine the current acceptability and life of this weld.

Responsible Dept: Design Eng Mechanical Eng Staff**CA&A Contact:** On File**Originated:** 05/03/1999 by ESLINGER, KELLY, Systems Eng Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A

CR-IP3-1999-00369**Significance:** D - ADMIN CLOSE**Reportability:** NOT AVAILABLE**Operability:** OPERABLE - JUDGEMENT**CR Status:** Closed on November 30, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-00369: SERVICE WATER PIPE WALL THINNING IN LINE 4"-#494: As part of the TSP-048 Service Water System Corrosion Monitoring Program, dissimilar metal welds in lines 3"-#470 and 4"-#494 were UT'ed to evaluate whether galvanic corrosion degradation of the piping and welds was occurring. Line 4"-#494 is the SW return line from the FCU motor coolers and was found to have wall thinning below 87.5% of nominal wall at two dissimilar metal welds between 316 SS pipe and carbon steel pipe. IP3-CALC-SWS-01596 that

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 02/24/1999 by PENNINO, DENNIS, Systems Eng Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** LINE 3"-#470, N/A**CR-IP3-1999-00127****Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on January 22, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-00127: MARGINAL WELD REPAIR TO ASME CLASS 2 SW LINE 12d: The WR 98-05039-00 weld repair as a result of the through-wall leak in ASME Class 2 Service Water line 10"-#12d left a localized thin spot of 0.1" in the weld repaired area. Piping nominal wall is 0.365". The localized thinning remaining after the weld repair required off-site engineering analysis to disposition and will require periodic NDE until R10 to monitor for further thinning. These activities would have been unnecessary if the original

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 01/21/1999 by PENNINO, DENNIS, Systems Eng Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** LINE 10"-#12D, N/A**CR-IP3-1999-00122****Significance:** D - ADMIN CLOSE**Reportability:****Operability:****CR Status:** Closed on January 21, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-99-00122: PIPE WALL THINNING IDENTIFIED IN SW LINE 10"-#12b: As part of the DER 98-02160 extent of condition evaluation, non-destructive UT examination of an ASME Class 2 butt-weld in # 31 FCU Service Water return line 10"-#12b was performed (ref. QA NDE Report 99UT004). The UT identified several locations around the weld in which the piping wall thickness was below 87.5% of nominal wall (or 0.319"). The lowest reading recorded was 0.161". In accordance with engineering calculation IP3-CALC-SWS-01596 Re

Responsible Dept: Unknown**CA&A Contact:** On File**Originated:** 01/20/1999 by PENNINO, DENNIS, Systems Eng Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** LINE 10"-#12B, N/A

CR-IP3-1999-00108	Significance:	D - ADMIN CLOSE	Reportability:
	Operability:		CR Status: Closed on January 20, 1999
	Classification Code:	NON-SIGNIFICANT	
Description:			
DER-99-00108: PIPE WALL THINNING IDENTIFIED IN SERVICE WATER LINE 10"-#12a: As part of the DER 98-02160 extent of condition evaluation, non-destructive UT examination of an ASME Class 2 butt-weld in the # 33 FCU Service Water return line was performed (Ref. QA NDE Report # 99UT003). The UT identified several locations around the weld in which the piping wall thickness was below 87.5% of nominal (or 0.319"). The lowest reading recorded was 0.196". In accordance with IP3-CALC-SWS-01596 Rev. 0, the required minimum wall			
Responsible Dept: Unknown			
CA&A Contact: On File			
Affected Systems: 0151, N/A			
Originated: 01/19/1999 by PENNINO, DENNIS, Systems Eng Mgmt			
Affected Equipment: LINE 10"-#12A, N/A			

CR-IP3-1998-01754	Significance:	D - ADMIN CLOSE	Reportability: NOT AVAILABLE
	Operability:	ADMIN - NA	CR Status: Closed on September 30, 1998
	Classification Code:	NON-SIGNIFICANT	
Description:			
DER-98-01754: Wall thinning found on discharge pipe from 36 SWP: As part of extent of condition examinations, it was found that points along the 14" discharge pipe from the 36 service water pump had wall thicknesses that were less than the 87.5% of nominal wall thickness as per manufacturer -N/A- tolerances. Not considered an operability concern. A generic calculation generated subsequent to a previous instance of wall thinning (IP3-CALC-SWS-02840) shows that the minimum wall thickn			
Responsible Dept: Unknown			
CA&A Contact: JOWITT, ROSEANN			
Affected Systems: 0151, N/A			
Originated: 09/29/1998 by MORAN, TIMOTHY, Systems Eng Mgmt			
Affected Equipment: N/A, PIPE			

CR-IP3-1998-01703	Significance:	C - NO CARB	Reportability: NOT AVAILABLE
	Operability:	ADMIN - NA	CR Status: Closed on March 02, 2001
	Classification Code:	NON-SIGNIFICANT	
Description:			
DER-98-01703: Pipe wall thinning in the CCW system: Durring extent of condition for DER 98-1518 (8/98 pipe failure downstream o of AC-803) wall thinning was found in four locations: downstream of gross f ail fuel decetor, outlet of 31 CCW Hx., upstream of AC-814, and 14X14X14 te -N/A- tee on 73ft. elv. The ult. data sheets were evaluated by str. eng. and fou nd to be acceptable. There was to operability issue. Ref. calculation number IP3-CALC-CCW-01389 Rev.1 "Pipe wal			
Responsible Dept: Design Eng Mechanical Eng Staff			
CA&A Contact: JOWITT, ROSEANN			
Affected Systems:			
Originated: 09/16/1998 by LEE, LIZABETH, Systems Eng Mgmt			
Affected Equipment:			

CR-IP3-1998-01618

Significance: D - ADMIN CLOSE

Reportability: NOT AVAILABLE

Operability: ADMIN - NA

CR Status: Closed on September 11, 1998

Classification Code: NON-SIGNIFICANT

Description:

DER-98-01618: Wall Thinning on Con Ed Aux. Steam Cross Tie Line: Pipe wall thinning was detected on the auxiliary steam and condensate return cross tie piping between Unit 1 and Unit 3 during a leak investigation under WR 96-01526-00. This is not an immediate concern based on calculations (IP3-CALC-ASC-02832) which indicate that the wall thinning is acceptable. No steam leaks were found at this location. Apparent Cause Codes: P2I

Responsible Dept: Unknown

CA&A Contact: JOWITT, ROSEANN

Originated: 09/10/1998 by BRISTOL, CHARLES, MP&C Mgmt

Affected Systems: 0006

Affected Equipment: N/A

CR-IP3-1998-01580

Significance: C - NO CARB

Reportability:

Operability: ADMIN - NA

CR Status: Closed on October 11, 2000

Classification Code: NON-SIGNIFICANT

Description:

DER-98-01580: Wall thinning on discharge pipe from #34 SWP: During fitup of replacement pipe on the discharge line from the 34 service water pump, it was discovered that wall thinning was present on the existing pipe. This was confirmed by NDE examination of the pipe wall thickness -N/A- (ref. NDE report 98UT045). Not deemed an operability concern, however. An engineering evaluation has concluded that the wall thinning is acceptable, with monitoring to be performed under 34 SWP.

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Originated: 09/05/1998 by MORAN, TIMOTHY, Systems Eng Mgmt

Affected Systems: 0151, N/A

Affected Equipment: LINE 1084, N/A

CR-IP3-1998-01421

Significance: C - NO CARB

Reportability:

Operability: ADMIN - NA

CR Status: Closed on September 28, 1998

Classification Code: NON-SIGNIFICANT

Description:

DER-98-01421: tube thinning: EDDY CURRENT WAS PERFORMED ON #32 EDG JACKET WATER HEAT EXCHANGER. THREE TUBES INDICATED A REDUCED WALL THICKNESS. ALL THREE TUBES WALL THICKNESSES ARE GREATER THAN MIN WALL REQUIREMENTS. IT WAS STILL RECOMMENDED THAT WE -N/A- PLUG THESE THREE TUBES. THIS COULD NOT BE DONE BECAUSE THE PLUGS IN STOCK ARE .322" IN DIAMETER AND DO TO TUBE WALL THINNING AT THE TUBE ENDS DO TO CORROSION / EROSION THE TUBE END DIAMETER VARI

Responsible Dept: MP&C Mgmt

CA&A Contact: JOWITT, ROSEANN

Originated: 08/14/1998 by GAVIN, EDWARD, Training Mgmt

Affected Systems: 0046

Affected Equipment: EDG-32-JW HTX, N/A

CR-IP3-1997-02370

Significance: D - ADMIN CLOSE Reportability: NOT AVAILABLE
Operability: EQUIPMENT INOPERABLE CR Status: Closed on September 25, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-97-02370: PIPING WALL THINNING: UT EXAMINAITON OF THE 2" COMMON VENT LINE FROM 36A, B, C TO CONDENSER #33 I IDENTIFIED THE PIPING WALL THICKNESS ADJACENT THE ELBOW PIN HOLE LEAK (REFER ENCE WR 97-05006-00) TO BE LESS THAN THAT REQUIRED BY THE WORK REQUEST. based on wall thinning, leak repair clamp may need redesign. mtc super vision contacted to ensure leak repair contacted to redo clamp calcula tions and to improve barrier around existing leak -N/A- THE REQ

Responsible Dept: Unknown
CA&A Contact: JOWITT, ROSEANN Originated: 09/24/1997 by REED, SCOTT, Quality Assurance Mgmt
Affected Systems: 0083, N/A Affected Equipment: 36 FWHS VENT LINE, N/A

CR-IP3-1997-01801

Significance: D - ADMIN CLOSE Reportability: NOT AVAILABLE
Operability: EQUIPMENT INOPERABLE CR Status: Closed on July 24, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-97-01801: DEGRADATION OF PIPING FLANGES DOWNSTREAM OF SWN-44-1,2,3,4: NON-DESTRUCTIVE EXAMINATION (UT) OF THE PIPING FLANGES DOWNSTREAM OF VALVES SWN-44-1, SWN-44-2, SWN-44-3, SWN-44-4 AS PART OF THE EXTENT OF CONDITION ASSOCIATED WITH THE FLANGE DEGRADATION OF THE SWN-41 VALVES (REF. DER -N/A- 97-1715) INDICATES THAT THE DOWNSTREAM FLANGES HAVE UNACCEPTABLE PIPE WALL THINNING AT THE FLANGE WELDS (SEE QA NDE REPORTS 97UT236, 97UT237, 97UT238, & 97UT239). ADDITIONALLY, VISUAL INSPECTION OF

Responsible Dept: Unknown
CA&A Contact: JOWITT, ROSEANN Originated: 07/23/1997 by PENNINO, DENNIS, Systems Eng Mgmt
Affected Systems: 0151, N/A Affected Equipment: N/A, SWN-44-1,2,3,4

CR-IP3-1997-01684

Significance: C - NO CARB Reportability:
Operability: ADMIN - NA CR Status: Closed on August 06, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-97-01684: Internal weld repair without Section XI Traveler: Internal pipe weld repair was completed upstream and downstream of valve SWN-41-5 due to E/C wall thinning without a Section XI weld traveler. Although the package originally did have a Section XI traveler for the -N/A- component replacement, a new traveler was not generated for the weld repair Apparent Cause Codes: F7

Responsible Dept: Maint Constr Svcs Mgmt
CA&A Contact: JOWITT, ROSEANN Originated: 07/11/1997 by THORNE, EVEREND, IP3
Affected Systems: Affected Equipment:

CR-IP3-1997-00109

Significance: D - ADMIN CLOSE Reportability: NOT AVAILABLE
Operability: EQUIPMENT INOPERABLE CR Status: Closed on January 16, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-97-00109: 33C Steam Jet Air Ejector Elbow Pipe Thinning: During a followup pipe thinning examination of 33C Steam Jet Air Ejector elbow, it was identified that the thinning is below the minimum acceptable limit. The limit is 0.09 inch and the current wall thickness at one point -N/A- is 0.076 inch. The redundant "D" has thinning that is projected to erode to the minimum criteria in one month subsequent to being placed in service. DER 97-0096 was written on 1/13/97 for a simila

Responsible Dept: Unknown
CA&A Contact: On File Originated: 01/15/1997 by RAY, BRYAN, Systems Eng Mgmt
Affected Systems: 0028, N/A Affected Equipment: 33C SJAE ELBOW, N/A

CR-IP3-1996-02007

Significance: C - NO CARB Reportability:
Operability: ADMIN - NA CR Status: Closed on January 23, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-96-02007: Wall thinning found on 32 CRAC service water drain valve: While performing NDE as part of extent of condition for valve SWN-108-5, valve SWN-111-2, the service water inlet drain to the 32 Control Room Air conditioning unit, was found to have wall thinning (one point of 0.103" vs. -N/A- min. allowed value of 0.12"). Review of results with Civil Engineering shows that the valve is structural ly sound. Calculation IP3-CALC-SWS-02072, which evaluated the structural integrity of SW

Responsible Dept: Systems Eng Mgmt
CA&A Contact: JOWITT, ROSEANN Originated: 09/06/1996 by MORAN, TIMOTHY, Systems Eng Mgmt
Affected Systems: 0151 Affected Equipment: N/A, SWN-111-2

CR-IP3-1996-01984

Significance: C - NO CARB Reportability: NOT AVAILABLE
Operability: EQUIPMENT INOPERABLE CR Status: Closed on January 23, 1997
Classification Code: NON-SIGNIFICANT

Description:

DER-96-01984: Wall thinning noted at Valve SWN-111-1: While performing an extent of condition survey, an ultrasonic examination o f the subject valve revealed two areas where the wall thickness was signif- icantly less than the surrounding area and less than the minimum allowable continue discussions with valve vendor to determine minimum wall thinn ing and develop method to monitor for degradation. -N/A- as per ANSI B16.34. Preliminary investigation by Civil/Structural Engine

Responsible Dept: Systems Eng Mgmt
CA&A Contact: JOWITT, ROSEANN Originated: 09/03/1996 by MORAN, TIMOTHY, Systems Eng Mgmt
Affected Systems: 0151 Affected Equipment: N/A, SWN-111-1

CR-IP3-1996-01929**Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** EQUIPMENT INOPERABLE**CR Status:** Closed on September 26, 1996**Classification Code:** NON-SIGNIFICANT**Description:**

DER-96-01929: House Service Boiler Tube No. 59 thinning: During the PM of the HSB, it was identified that pressure boundary tube 59 (from burner/west side) does not meet tolerances for wall thinning. Minimum requirements are 0.095 inch for the two inch O.D. SA 178 Grade A -N/A- material. UT examination identified a thickness of 0.076 inch. The area of thinning is two square inches. Extent of condition examinations did NOT identify any other problems.

Responsible Dept: Systems Eng Mgmt**CA&A Contact:** JOWITT, ROSEANN**Originated:** 08/22/1996 by RAY, BRYAN, Systems Eng Mgmt**Affected Systems:****Affected Equipment:****CR-IP3-1996-01844****Significance:** C - NO CARB**Reportability:****Operability:** ADMIN - NA**CR Status:** Closed on September 28, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

DER-96-01844: Wall thinning on service water elbow upstream of vlv swt-30-: During extent of condition survey following discovery of leakage on an elbow on the service water pipe associated with the isophase bus duct coolers (ref. DER 96-1693), a second welded elbow was found to have some wall thinning. Minimum allowable for wall was 0.178", minimum found was 0.177". Although just missing the minimum allowable, readings indicate the beginning of degradation of the elbow. Generic cause codes: N2i

Responsible Dept: Systems Eng Mgmt**CA&A Contact:** JOWITT, ROSEANN**Originated:** 08/09/1996 by MORAN, TIMOTHY, Systems Eng Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** ELBOW ON PIPE, N/A**CR-IP3-1996-01760****Significance:** C - NO CARB**Reportability:****Operability:** ADMIN - NA**CR Status:** Closed on September 13, 1996**Classification Code:** NON-SIGNIFICANT**Description:**

DER-96-01760: SWN-94-2 wall thinning indication found by RT.: SWN-94-2 valve body has indications of wall thinning. This was discovered during RT of the valve. Preliminary engineering evaluation of the flaw is that it is localized and not a structural integrity issue. -N/A- Apparent Cause Codes: N2i

Responsible Dept: Design Eng Mechanical Eng Staff**CA&A Contact:** JOWITT, ROSEANN**Originated:** 07/30/1996 by SCHILLINGER, FRED, WPO Assessments Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A, SWN-94-2

CR-IP3-1996-01695

Significance: C - NO CARB

Reportability:

Operability: ADMIN - NA

CR Status: Closed on January 23, 1997

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01695: Wall Thinning on Pipe Immediately Upstream of Valve SWT-25-2: While performing Non-Destructive Examinations (NDEs) of the pipe immediately upstream of the SWT-25 valves, wall thinning was discovered on the pipe associated with the SWT-25 valve. Minimum acceptable wall thickness was -N/A- 0.135" (87.5% of nominal wall thickness of 0.154" for a Sch. 40 2" dia. pipe). Minimum readings on the SWT-25-2 pipe were 0.125". Review of the generic calculation IP3-CALC-SWS-01595 for seismic

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Affected Systems: 0151, N/A

Originated: 07/23/1996 by MORAN, TIMOTHY, Systems Eng Mgmt

Affected Equipment: N/A, SW PIPE

CR-IP3-1996-01527

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on March 31, 1998

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01527: 33 SJAЕ INTERCONDENSER SUPPLY ELBOWS SHOW WALL THINNING: Ultrasonic examinations of the 33 Steam Jet Air Ejector intercondenser supply piping shows wall thinning of three elbows (a, c, and d) penetrating the intercondenser. The wall thicknesses do not meet engineering standards to applied -N/A- (Ref. DER 96-1510 and DER 96-1519 for SJAЕs 31 and 32). These elbows carry a mixture of steam and non-condensable gases into the 33 SJAЕ intercondenser. The elbows are 316 stainless

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Affected Systems: 0028, N/A

Originated: 06/26/1996 by MC ENTEE, IP3

Affected Equipment: 33 STEAM JET AIR EJECT, N/A

CR-IP3-1996-01519

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on March 31, 1998

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01519: 32 steam jet air ejector intercondenser supply pipe thinning: Ultrasonic pipe thinning data reflects 32 Steam Jet Air Ejector piping at two elbows (A and D) penetrating the intercondenser do not meet engineering standard tolerances (see DER 96-1510 for 31 SJAЕ pipe thinning). -N/A- The two elbows carry a mixture of primary jet motivating steam and condenser air line noncondensable gases into the 32 SJAЕ intercondenser. The elbows are isolated completely by taking the SJAЕ out of service

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Affected Systems: 0108, N/A

Originated: 06/25/1996 by RAY, BRYAN, Systems Eng Mgmt

Affected Equipment: 32 STEAM JET AIR EJECT, N/A

CR-IP3-1996-01510

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on March 31, 1998

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01510: 31 steam jet air ejector pipe thinning: Ultrasonic pipe thinning data reflects 31 steam jet air ejector piping at the elbows (a, c, d) penetrating the intercondenser do not meet engineering standard tolerances. -N/A- The elbows carry a mixture of primary jet motivating steam and condenser air line noncondensable gases into 31 SJAE intercondenser. The elbows are isolated completely by taking the SJAE out of service. The elbows are 316 stainless steel schedule

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Originated: 06/24/1996 by RAY, BRYAN, Systems Eng Mgmt

Affected Systems: 0108, N/A

Affected Equipment: N/A, SJAE C31 HTX STEAM JET

CR-IP3-1996-01187

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: EQUIPMENT OPERABLE

CR Status: Closed on September 14, 1999

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01187: Wall Thinning found at Valve SWN-37-1: During the extent of condition investigation for the leaking valve SWN-49-1 an ultrasonic examination of valve SWN-37-1 found wall thinning near the downstream weld socket of the valve body. The thinning was a spot indication of 0.127" in an area where the wall thickness was reading 0.230". Per ANSI B16.34-88, minimum wall thickness for a valve of this size (1/2") and class

Responsible Dept: Systems Eng Mgmt

CA&A Contact: On File

Originated: 05/09/1996 by MORAN, TIMOTHY, Systems Eng Mgmt

Affected Systems: 0151

Affected Equipment: N/A, SWN-37-1

CR-IP3-1996-01083

Significance: C - NO CARB

Reportability: NOT AVAILABLE

Operability: ADMIN - NA

CR Status: Closed on June 28, 1996

Classification Code: NON-SIGNIFICANT

Description:

DER-96-01083: Valve wall thinning identified during EOC walkdown: During the Extent of Condition walkdown for DER-96-1025, a localized point of wall thinning was identified on valve SWN-87-2 in the same region as was previously identified on valve SWN-87-1. Although this point would have passed minimum wall calculations (REF: IP3-CALC-SWS-01596), its geometry suggests a "pit" in the making. Apparent Cause Codes: N2i

Responsible Dept: Systems Eng Mgmt

CA&A Contact: JOWITT, ROSEANN

Originated: 04/26/1996 by MORAN, TIMOTHY, Systems Eng Mgmt

Affected Systems: 0151

Affected Equipment: N/A, SWN-87-2

CR-IP3-1996-01086**Significance:** D - ADMIN CLOSE**Reportability:** NOT AVAILABLE**Operability:** ADMIN - NA**CR Status:** Closed on April 29, 1996**Classification Code:** NON-SIGNIFICANT**Description:**

DER-96-01086: Wall Thinning at Heat Affected Zone: SWN-87-2: During an extent of condition exam of the subject valve, it was found that a localized point of wall thinning existed on this valve, in the same region as the ISI leak that was found on SWN-87-1 (ref. DER 96-1025). Although with the Shift Manager. Given that this valve was on a system that was already held off and it would not be returned to service until this valve, a -N/A- this point was not leaking, its geometry suggests

Responsible Dept: Unknown**CA&A Contact:** JOWITT, ROSEANN**Originated:** 04/26/1996 by MORAN, TIMOTHY, Systems Eng Mgmt**Affected Systems:** 0151**Affected Equipment:** N/A, SWN-87-2**CR-IP3-1995-02481****Significance:** D - ADMIN CLOSE**Reportability:** NOT AVAILABLE**Operability:** ADMIN - NA**CR Status:** Closed on October 26, 1995**Classification Code:** NON-SIGNIFICANT**Description:**

DER-95-02481: Wall thinning in SWP Strainer Blowdown Isolation Valves: UT inspections were performed on the above valves as part of the extent of condition for the leaking service water valve issue. Results have shown that at these valves have wall thicknesses less than allowable. -N/A- Apparent Cause Codes: N2i

Responsible Dept: Unknown**CA&A Contact:** JOWITT, ROSEANN**Originated:** 10/25/1995 by MORAN, TIMOTHY, Systems Eng Mgmt**Affected Systems:** 0151, N/A**Affected Equipment:** N/A, SWN-64, SWN-65 VALVES**CR-IP3-1995-02441****Significance:** C - NO CARB**Reportability:** NOT AVAILABLE**Operability:** ADMIN - NA**CR Status:** Closed on December 06, 1995**Classification Code:** NON-SIGNIFICANT**Description:**

DER-95-02441: Wall thinning in main steam trap drain piping to the DCT: Wall thinning was detected in the piping downstream of MST-4 in the 3 inch drain header to the drains collecting tank. Calculation IP3-CALC-MS-01624 was performed and it was determined that the piping is not below the CODE -N/A- minimum required. However, using the calculated wear rate, this piping will reach the CODE minimum in approximately six months. ** AS NOTED, THIS PIPING IS NOT BELOW CODE MINIMUM. **

Responsible Dept: WPO Eng Programs Mgmt**CA&A Contact:** JOWITT, ROSEANN**Originated:** 10/19/1995 by DOLANSKY, ROBERT, WPO Assessments Mgmt**Affected Systems:****Affected Equipment:**

CR-IP3-1995-00709

Significance: D - ADMIN CLOSE

Reportability: NOT AVAILABLE

Operability: ADMIN - NA

CR Status: Closed on September 10, 1996

Classification Code: NON-SIGNIFICANT

Description:

DER-95-00709: RESULTS OF A LUCIUS PITKIN ANALYSIS FOR THE FAILED HSB TUBE: See LONG description for details... AFTER PERFORMING MAT 94-03-142-01, REV. 0 ON THE HSB, WATER WAS DISCOVERED LEAKING FROM THE HSB FIREBOX CASING & MANHOLE COVER. PID 14734 WAS WRITTEN THE FIREBOX OF THE HSB (DAYS AFTER THE HSB WAS SHUTDOWN). PID 14734 WAS WRITTEN AND WR 94-00560-13 INVESTIGATED AND CORRECTED THE PROBLEM. THE CHEMISTRY AFTER PERFORMING MAT 94-03-142-01, REV. 0 ON THE HSB, WATER WAS DISCOVERED LEAKING FR

Responsible Dept: Unknown

CA&A Contact: JOWITT, ROSEANN

Originated: 03/30/1995 by BISHOP, JAMES, Licensing Mgmt

Affected Systems: 0007, N/A

Affected Equipment: HOUSE SERVICE BOILER, N/A

CR-IP2-2000-02082

Significance: C - CORRECT ONLY

Reportability:

Operability:

CR Status: Closed on July 19, 2001

Classification Code: NON-SIGNIFICANT

Description:

200002082 - Performed annual walkdown of Secondary Boiler Blowdown System and found the following Maintenance items:
(1) Unistrut tubing supports missing on one side of valves LW-474, LW-476, LW-478 and LW-480 (located on instrument panel in valve gallery 53' CSB)
(2) One light bulb not lit, three covers missing, and one cover broken on light fixtures in the demineralizer inlet filter room. This room is officially named "Resin Transfer Pump Pit Room (Future)", located on 53' CSB. Note: two of

Responsible Dept: ENG DE-Mech Proj & Prog Mgmt

CA&A Contact:

Originated: 03/24/2000 by CIAMARRA, RICHARD A, ENG SYS-Balance of Plant Staff

Affected Systems: ILWH

Affected Equipment: ILWHN

CR-IP2-2000-02041

Significance: C - CORRECT ONLY

Reportability:

Operability:

CR Status: Closed on May 03, 2001

Classification Code: NON-SIGNIFICANT

Description:

200002041 - Secondary plant pressure vessel wall thinning reports have increased according to INPO's Operations and Maintenance Reminder 431. Ruptures, leaks or lessor degradations are among the events reported. CHECWORKS users group (CHUG) Position Paper No. 4, "Recommendations for Inspecting Feedwater Heater Shells for Possible Flow-Accelerated Corrosion Damage," February 2000 should be reflected in Indian Point 2's program. This action is among the first of five "reminders" from INPO of acti

Responsible Dept: ENG P&C-Equip Reliability Mgmt

CA&A Contact:

Originated: 03/23/2000 by Blatt, Michael, Site Support Staff

Affected Systems:

Affected Equipment:

CR-IP2-1999-08975**Significance:** C - CORRECT ONLY**Reportability:****Operability:****CR Status:** Closed on March 24, 2001**Classification Code:** NON-SIGNIFICANT**Description:**

199908975 - This CR documents a procedural issue discovered during a self-assessment.

SAO-451 "Verification, Documentation and Traceability of Calculations" states that calculations are to be controlled in accordance with OP-290-1 or under an approved procedure.

Contrary to this, calculations are performed in accordance with the document "Inspection Program to Detect and Monitor Flow Accelerated Corrosion in Piping Systems at Indian Point Unit No. 2" (or FAC Program Plan, FACPP). The calcu

Responsible Dept: ENG SYS-Maint Rule/EPIX Mgmt**CA&A Contact:****Originated:** 12/01/1999 by Bergren,Christopher J, ENG P&C-Code Programs Staff**Affected Systems:****Affected Equipment:****CR-IP2-1999-07413****Significance:** C - CORRECT ONLY**Reportability:****Operability:****CR Status:** Closed on October 13, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

199907413 - Callaway Station at 100 percent reactor power, experienced failure of a 6-inch drain line from a moisture separator reheater drain tank. The ruptured pipe was located above a frequently traveled area of the turbine building. The station attributed the rupture to wall thinning caused by flow-accelerated corrosion (FAC). The failed pipe was made of carbon steel and had been in service since 1984. The drain line was normally subjected to a saturated two-phase flow mixture at 410 degree

Responsible Dept: ENG SYS-Maint Rule/EPIX Mgmt**CA&A Contact:****Originated:** 09/30/1999 by Blatt,Michael, Site Support Staff**Affected Systems:****Affected Equipment:****CR-IP2-1999-03594****Significance:** C - CORRECT ONLY**Reportability:****Operability:****CR Status:** Closed on June 29, 1999**Classification Code:** NON-SIGNIFICANT**Description:**

199903594 - The City Water Piping in Unit 1 (which supports Units 2 and 3 with various services) is in degraded condition on numerous fronts. Discussion today with my supervisor indicates the work orders scheduled for work will again be "put off" to be rolled over to the next 12 - week cycle. This was due to the lack of acceptable piping to place freeze seals on. System Engineering has spent some time looking at alternate means of supplying water to the operating Units because the freeze seals

Responsible Dept: ENG DE-Mech Proj & Prog Mgmt**CA&A Contact:****Originated:** 05/04/1999 by MORLANG JR, ROBERT E, Operations Staff Staff**Affected Systems:** CYW**Affected Equipment:** CYWN

CR-IP2-1997-01124

Significance: C - CORRECT ONLY

Reportability:

Operability:

CR Status: Closed on May 15, 2001

Classification Code: NON-SIGNIFICANT

Description:

199701124 - PRE OUTAGE RADIOGRAPHY OF FW-2580 & FW-2585, 4" SW RETURN LINE 494, REVEALED WALL THINNING AT THE WELDS(CALLED SCALLOPING) GREATER THAN 50%. SW-2580 HAS A 1" AREA INDICATING A 55% REDUCTION IN DENSITY. FW-2585 HAS SEVERAL AREAS INDICATING A 70% TO 90% REDUCTION OF DENSITY.

Responsible Dept: QA Quality Control Mgmt

CA&A Contact:

Originated: 04/04/1997 by Trombetta,Robert G, QA Quality Control Staff

Affected Systems:

Affected Equipment:

CR-IP2-2002-02984

Significance: C - CORRECT ONLY

Reportability:

Operability:

CR Status: Closed on June 07, 2002

Classification Code: NON-SIGNIFICANT

Description:

200202984 - (Suggest assigning ownership of this CR to IP2OE who will assign ICAs as appropriate)

During a self assessment of NRC Information Notices (IN), six CRs associated with INs were assessed as requiring better documentation. The Information Notices/(CRs) are:

? 2000-08 (CR200003758) Documentation of IN review is incomplete. The topic concerns testing methods of safety related pumps.

The Assignment made was:

NRC's discussion emphasizes the importance of assessing the effects of diff

Responsible Dept: OEN IP2 Staff

CA&A Contact:

Originated: 03/20/2002 by MECCHI, GREGORY P., CA&A Staff

Affected Systems:

Affected Equipment:

CR-IP3-2003-00956

Significance: C - REVIEW & CORRECT

Reportability:

Operability:

CR Status: Closed on September 04, 2003

Classification Code: NON-SIGNIFICANT

Description:

While preparing for the 3R-12P Service Water pipe weld examinations, it was discovered that the wall thinning screening criteria needed for evaluation of 3" diameter pipe welds is not included within the Radiography procedure.

This IP3 procedure was recently re-written to include better screening criteria taken from IP2's similar procedure for various pipe diameters ranging from 4" to over 12". IP2 does not have 3" diameter welds included in their procedure due to differences in the two unit's Service Water systems.

This condition has no effect on any previously radiographed Service Water pipe welds.

Responsible Dept: QA Inspections/NDE Mgmt

CA&A Contact: R Perra	Originated: 02/27/2003 by Allen,Robert E, QA Inspections/NDE Staff
Affected Systems:	Affected Equipment:

CR-IP3-2003-01071

Significance: C - REVIEW & CORRECT
Operability:
Classification Code: NON-SIGNIFICANT

Reportability:
CR Status: Closed on July 16, 2003

Description:

During a FAC examination (WO I3-010447602, 03-PT-03), wall thinning was noted on an elbow downstream of VCD-PCV-7009 (32A MSR); specifically the elbow downstream of the Westinghouse control section at the entrance to the 31 condenser, (2' S and 2' E of B4/15.7,).

No piping replacement/repair is required.

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact:	Originated: 03/07/2003 by Hartjen,Harry G, WPO Eng Programs Staff
Affected Systems: 0113	Affected Equipment:

CR-IP3-2003-01327

Significance: C - REVIEW & CORRECT
Operability:
Classification Code: NON-SIGNIFICANT

Reportability:
CR Status: Closed on July 15, 2003

Description:

During a FAC examination (WO IP3-02-23675, 03-PT-25), wall thinning was noted on piping downstream of valve 5HD-LCV-1107 (31B MS Drain Tank drain) at the Drains Collecting Tank.

No piping replacement/repair is required.

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact:	Originated: 03/18/2003 by Hartjen,Harry G, WPO Eng Programs Staff
Affected Systems: 0083	Affected Equipment: 5HD-LCV-1107

CR-IP3-2003-01487

Significance: C - REVIEW & CORRECT
Operability: EQUIPMENT OPERABLE
Classification Code: NON-SIGNIFICANT

Reportability:
CR Status: Closed on July 01, 2003

Description:

During a FAC examination (WO IP3-02-23706, 03-PT-29), wall thinning was noted on piping immediately downstream of valve MS-102-22 (MST-42 Return Line Isolation).

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-MST-03731 Rev. 0.

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt**CA&A Contact:****Affected Systems:** 0111**Originated:** 03/25/2003 by Hartjen,Harry G, WPO Eng Programs Staff**Affected Equipment:** MST-42**CR-IP3-2003-01517****Significance:** C - REVIEW & CORRECT**Reportability:****Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 01, 2003**Classification Code:** NON-SIGNIFICANT**Description:**

During a FAC examination (WO IP3-02-24426, RHD-02.6B-01E), wall thinning was noted on the first elbow downstream of valve LCV-1105B.

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-HD-03450 Rev. 1..

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt**CA&A Contact:****Affected Systems:** 0083**Originated:** 03/26/2003 by Hartjen,Harry G, WPO Eng Programs Staff**Affected Equipment:** LCV-1105B**CR-IP3-2003-01529****Significance:** C - REVIEW & CORRECT**Reportability:****Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on July 01, 2003**Classification Code:** NON-SIGNIFICANT**Description:**

During a FAC examination (WO IP3-02-24562, HD-05.1C-02R) wall thinning was noted on a reducer immediately downstream of LCV-1117.

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-HD-02472 Rev. 2.

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt**CA&A Contact:****Affected Systems:** 0083**Originated:** 03/26/2003 by Hartjen,Harry G, WPO Eng Programs Staff**Affected Equipment:** LCV-1117**CR-IP3-2003-01549****Significance:** C - REVIEW & CORRECT**Reportability:****Operability:** EQUIPMENT OPERABLE**CR Status:** Closed on April 28, 2003**Classification Code:** NON-SIGNIFICANT**Description:**

During a FAC examination (WO IP3-02-24387, RHD-02.3B-02R), wall thinning was noted on the reducer immediately downstream of LCV-1105A.

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-HD-03450 Rev.1A.

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact:

Originated: 03/27/2003 by Hartjen,Harry G, WPO Eng Programs Staff

Affected Systems: 0083

Affected Equipment: LCV-1105A

CR-IP3-2003-01576

Significance: C - REVIEW & CORRECT

Reportability:

Operability: EQUIPMENT OPERABLE

CR Status: Closed on July 02, 2003

Classification Code: NON-SIGNIFICANT

Description:

During a FAC examination (WO IP3-02-23587, 03-PT-18), wall thinning was noted on the pipe immediately downstream of 5HD-LCV-1127D. This inspection was performed as the valve is leaking by and was noted on the IP3 Condenser Isolation Valve Status Report. Repair of this valve is a Priority 2 to be performed after R12. Note was added to WO I3-010290800 that pipe downstream of 5HD-LCV-1127D was wearing and to fix ASAP. Repair is currently scheduled for week 320.

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-HD-03730 Rev.0

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact:

Originated: 03/28/2003 by Hartjen,Harry G, WPO Eng Programs Staff

Affected Systems:

Affected Equipment:

CR-IP3-2003-01578

Significance: C - REVIEW & CORRECT

Reportability:

Operability: EQUIPMENT OPERABLE

CR Status: Closed on March 31, 2003

Classification Code: NON-SIGNIFICANT

Description:

During a FAC examination (WO IP3-02-24531, HD-05.1B-02R), wall thinning was noted on the reducer downstream of valve LCV-1116.

The remaining wall thickness is sufficient to last through R13, per calculation IP3-CALC-HD-02472 Rev. 3.

No piping repair/replacement is required. No work will be required on this component during R12.

Responsible Dept: WPO Eng Programs Mgmt

CA&A Contact:

Originated: 03/28/2003 by Hartjen,Harry G, WPO Eng Programs Staff

Affected Systems:

Affected Equipment: