

Docket Number 50-346
License Number NPP-3
Serial Number 1F60

ASME SECTION XI

SUMMARY REPORT

FOR

TOLEDO EDISON COMPANY

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1

REFUELING OUTAGE NO. 6

OWNERS: TOLEDO EDISON COMPANY
300 MADISON AVENUE
TOLEDO, OHIO 43652

CLEVELAND ELECTRIC ILLUMINATING COMPANY
P. O. BOX 5000
CLEVELAND, OHIO 44101

COMMERCIAL SERVICE DATE:
OUTAGE DATE:

NOVEMBER 21, 1977
JANUARY 1990 TO JULY 1990

DBP 5020CC

9010120194 901004
PDR ADOCK 05000346
Q PDC

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ABSTRACT

This report provides a summary of examinations and tests performed during the 6RFO (6th Refueling Outage) at Toledo Edison's and Cleveland Electric Illuminating Company's Davis-Besse Nuclear Power Station, Unit #1, located in Ottawa County, Ohio.

The examination and test program, as described, was performed by Toledo Edison and Babcock & Wilcox personnel from January 1990 through July 1990, in compliance with the requirements of the 1977 Edition of the ASME Boiler and Pressure Vessel Code with Addenda through the Summer of 1978, applicable Regulatory Guides, and Technical Specifications.

The manual NDE examinations consisted of Ultrasonic (UT), Radiographic (RT), Liquid Penetrant (PT), Magnetic Particle (MT), and Visual (VT). There were a total of 801 examinations performed. There were 38 recordable indications that were dispositioned or evaluated in accordance with IWB-3000. No repairs, replacements or successive examinations were required. The results of the manual NDE examinations are contained under Tab 3.

The Plant Technical Specifications also required an examination of the steam generator tubing which was performed in March of 1990. OTSG 1-2 was examined to satisfy Technical Specification requirements while the OTSG 1-1 examinations were limited to tube areas of interest to Toledo Edison. There were 1984 tubes examined in 1-2 OTSG. One tube had an indication greater than 40% through wall degradation (TWD), one tube with an indication range of 30 to 39% TWD, three tubes with indications within the range of 20 to 29% TWD, 11 tubes with indications of less than 20% TWD and 171 tubes with signal to noise indications. Eight tubes were removed from service and plugged, as these tubes exhibited possible intergranular attack stress corrosion cracking (IGA-SCC).

In OTSG 1-1, there were 3666 tubes examined, four tubes had indications greater than 40% TWD, one tube had an indication in the range of 20-29% TWD, six tubes had indications in the range of less than 20% TWD, and 44 tubes had signal to noise indications. Four tubes were plugged and removed from service. The results of the inspection are contained under Tab 4.

Included under Tab 5 are the results of the automated reactor vessel weld examinations. There were 65 recordable indications which were evaluated in accordance with IWB-3000 and found acceptable. Lastly, in Tab 6 is a historical summary of all pressure testing performed since the start of the first ten year interval through the end of September 1990.

All repairs/replacements performed at Davis-Besse are controlled via Toledo Edison's maintenance work order (MWO) system. All records including any required testing and examination are contained in Toledo Edison's Records Management System for review.

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Toledo Edison Company, 300 Madison Ave., Toledo, Ohio 43652
(Name and Address of Owner)

2. Plant Davis-Besse Nuclear Power Station, Oak Harbor, Ohio 43449
(Name and Address of Plant)

3. Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 11/21/77 6. National Board Number for Unit N/A

7. Components Inspected Steam Generator Eddy Current

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Steam Generator 1-1	Babcock & Wilcox	620-0014-55-11		158
Steam Generator 1-2	Babcock & Wilcox	620-0014-55-12		159

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates Jan. 1990 to July 1990 9. Inspection Interval from Nov. 77 to Sept. 90

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

See 1990 Eddy Current Report

11. Abstract of Conditions Noted

See 1990 Eddy Current Report

12. Abstract of Corrective Measures Recommended and Taken

See 1990 Eddy Current Report

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 9-21 19 90 Signed T. J. Edson Co By [Signature]
Owner

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ohio and employer, by H.S.B.I. & I.CO. of Hartford, Ct have inspected the components described in this Owners' Data Report during the period January 1990 to July 1990 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date October 2 19 90

[Signature]
Inspector's Signature

Commissions NB-9800, Ohio Comm. (B.N.T.)
National Board, State, Province and No.

FORM NIS-1 (back)

8. Examination Dates Jan. 1990 to July 1990 9. Inspection Interval from Nov. 77 to Sept. 90

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

Note 1

11. Abstract of Conditions Noted.

Note 2

12. Abstract of Corrective Measures Recommended and Taken

All corrective measures are identified in the specific test packages and are available for review at the plant site.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 9-21 19 90 Signed TELESCOPIC CO. By [Signature]
Owner

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ohio and employed by H.S.B.I. & I. CO. of Hartford, CT. have inspected the components described in this Owners' Data Report during the period January 1990 to July 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date October 2 19 90

[Signature]
Inspector's Signature

Commissions NB-9800, Ohio Comm. (B, N, & I)
National Board, State, Province and No.

10. Note 1: This form is for the pressure testing performed during the above dates. The specific tests performed are incorporated in the ISI Summary Report (Section 6).

11. Note 2: All system pressure testing results are contained in the specific test packages and are available for review at the plant site.

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Toledo Edison Company, 300 Madison Ave., Toledo, OH 43652
 (Name and Address of Owner)
2. Plant Davis-Besse Nuclear Power Station, Oak Harbor, OH 43449
 (Name and Address of Plant)
3. Plant Unit #1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 11/21/77 6. National Board Number for Unit N/A
7. Components Inspected Manual and Automated NDE Examinations

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV & Head	Babcock & Wilcox	620-0014-52	52	156
Pressurizer	Babcock & Wilcox	620-0014-59		157
Steam Generators	Babcock & Wilcox	620-0014-55	11, 12	158, 159
Class 1 Primary Piping	Babcock & Wilcox	Various		
Class 1 Valves	Various	Various		
Class 2 Pressure Vessels	Various	Various		
Class 2 Piping	ITT Grinnell	Various		
Class 2 Pumps	Various	Various		
Class 1 RCP 1-2-1	Babcock & Wilcox	620-0014-12-1		

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates Jan. 1990 to July 1990 Inspection Interval from Nov. 77 to Sept. 90

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required or current interval.

See 1990 Inservice Inspection Report

11. Abstract of Conditions Noted.

See 1990 Inservice Inspection Report

12. Abstract of Corrective Measures Recommended and Taken

See 1990 Inservice Inspection Report

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 9-20 19 90 Signed TOLSON EDISON CO By [Signature]
Owner

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ohio and employed by H.S.B.T. & I. CO. of Hartford Ct. have inspected the components described in this Owners' Data Report during the period January 1990 to July 1990, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date October 2 19 90

[Signature]
Inspector's Signature

Commissions NB-9800, Ohio Comm., (B,N,I)
National Board, State, Province and No.

Manual NDE Examinations

This report documents the results of the 6RFO manual NDE examinations conducted on Davis-Besse Nuclear Power Station Unit #1.

The nondestructive examinations were performed by Toledo Edison and B&W personnel from January 1990 to July 1990, in compliance with the requirements of the 1977 Edition of its ASME Boiler and Pressure Vessel Code with Addenda through the Summer of 1978, and applicable Regulatory Guides, and Technical Specifications for this unit. Included in the Final Report of Examinations, available at the plant site for review, are the detailed examination results, examination data, evaluation reports, calibration data, personnel, material and equipment certifications, and reference documents affecting this outage.

The Tables located in this section for Class 1, 2, and 3 and augmented manual NDE examinations summarize the examination data. Placement of an 'X' in one of the two columns following the examination number indicates whether the examination revealed recordable indications. The following two columns identify whether an Evaluation Report (ER) was prepared to evaluate the indication. The next two columns indicate if a limited examination was performed.

CLASS 1 EXAMINATION DATA

This section contains the Class 1 examination data generated during Outage #6 which documents the recordable/reportable indications and limited examinations. All examination data is filed in sequential order by figure number.

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
RV	B01.040.001		X		X	X			J0279 P6155	
RV	B01.040.001.01	X		X		X		901-029	F2541 R2167 P6274	Acceptable
PZR	B02.011.003		X		X	X			J0279 R2167	
PZR	B02.011.004		X		X	X			J0279 R2167	
PZR	B02.012.003		X		X	X			J0279 R2167	
PZR	B02.012.009		X		X	X			J0279 R2167	
PZR	B02.012.010		X		X	X			J0279 R2167	
PZR	B02.012.011		X		X	X			J0279 R2167	
PZR	B02.012.012		X		X	X			J0279 R2167	
PZR	B05.020.001		X		X		X		W9276 J0279	
PIPING	B05.050.005		X		X		X		P1680 P6155	
PIPING	B05.050.006		X		X		X		P1680 P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B05.059.007		X		X		X		P1680 P6155	
PIPING	B05.050.008		X		X		X		P1680 P6155	
RV	B06.040.001		X		X	X			W9276 W8683 S9893 R2167	
RV	B06.050.003		X		X		X		F2541	
RV	B06.060.001		X		X		X		W9276 S9893 R2167 P6274	
PZR	B06.070.002	X		X			X	901-023	R9190 P6155 P6274 R2167	Acceptable
PZR	B06.080.001		X		X		X		R9190 W8683	
PZR	B06.080.002		X		X		X		P6155	
RV	B07.010.001		X		X		X		P6155	
RV	B07.010.002		X		X		X		P6155	
VALVE	B07.070.003	X		X				901-028	F2541 R2167	Acceptable
VALVE	B07.070.006		X		X		X		W8683 S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
VALVE	B07.070.007		X		X		X		P6155	
VALVE	B07.070.008		X		X		X		P6155	
VALVE	B07.070.009		X		X		X		P6155	
VALVE	B07.070.010		X		X		X		P6155	
VALVE	B07.070.011		X		X		X		P6155	
VALVE	B07.070.012		X		X		X		W8683 S9893	
VALVE	B07.070.013		X		X		X		W8683 S9893	
VALVE	B07.070.015		X		X		X		W8683 S9893	
VALVE	B07.070.016		X		X		X		W8683 S9893	
VALVE	B07.070.017		X		X		X		W8683 S9893	
VALVE	B07.070.019		X		X		X		W8683 S9893	
VALVE	B07.070.025		X		X		X		P6155	
VALVE	B07.070.026		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
VALVE	B07.070.029		X		X		X		P6155	
VALVE	B07.070.030		X		X		X		P6155	
VALVE	B07.070.031		X		X		X		W8683 S9893	
VALVE	B07.070.032		X		X		X		W8683 S9893	
VALVE	B07.070.036		X		X		X		W8683	
VALVE	B07.070.037		X		X		X		P6155	
VALVE	B07.070.040		X		X		X		W8683	
VALVE	B07.070.042		X		X		X		P6155	
VALVE	B07.070.043		X		X		X		P6155	
PIPING	B09.011.014		X		X		X		W8683	
PIPING	B09.011.017		X		X		X		P1680 R2167	
PIPING	B09.011.018		X		X		X		W8683	
PIPING	B09.011.019		X		X		X		P1680 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.019.01		X		X		X		R9190 S9893	
PIPING	B09.011.019.C2		X		X		X		P1680 R2167	
PIPING	B09.011.019.03		X		X		X		R9190 S9893	
PIPING	B09.011.020		X		X		X		P1680 R2167	
PIPING	B09.011.021		X		X		X		P1680 R2167	
PIPING	B09.011.022.01		X		X		X		W8683 S9893	
PIPING	B09.011.023	X		X			X	901-046	W8683 R2167	Acceptable
PIPING	B09.011.023.01		X		X		X		W8683	
PIPING	B09.011.025		X		X	X			F2541 R2167	
PIPING	B09.011.027		X		X	X			P1680 R2167	
PIPING	B09.011.029		X		X	X			W9276 R2167	
PIPING	B09.011.031		X		X	X			P1680 R2167	
PIPING	B09.011.031.01		X		X		X		R9190 S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.032		X		X	X			W9276 F2541	
PIPING	B09.011.033		X		X		X		W8683 R2167	
PIPING	B09.011.034		X		X	X			P1680 S9893	
PIPING	B09.011.035		X		X		X		P6155 R2167	
PIPING	B09.011.038		X		X	X			W9276 F2541	
PIPING	B09.011.039		X		X		X		W8683 R2167	
PIPING	B09.011.040		X		X	X			P1680 S9893	
PIPING	B09.011.041		X		X		X		R9190	
PIPING	B09.011.042		X		X	X			P1680 R2167	
PIPING	B09.011.044		X		X	X			F2541 R2167	
PIPING	B09.011.045		X		X		X		F2541 R2167	
PIPING	B09.011.050		X		X	X			F2541 P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.051		X		X	X			P1680 R2167	
PIPING	B09.011.053		X		X	X			P1680 R2167	
PIPING	B09.011.055		X		X	X			F2541 R2167	
PIPING	B09.011.056		X		X	X			P1680 R2167	
PIPING	B09.011.058		X		X		X		W9276 R2167	
PIPING	B09.011.061		X		X	X			F2541 P6274 P6155 R2167	
PIPING	B09.011.064		X		X	X			F2541 W9276	
PIPING	B09.011.068		X		X	X			P1680 R2167	
PIPING	B09.011.080		X		X		X		P6274	
PIPING	B09.011.089	X		X		X		901-036	J0279 P6155 P1680 S9893	Acceptable

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.090		X		X		X		P6155 R2167	
PIPING	B09.011.093		X		X	X			F2541 S9893 P1680 R2167	
PIPING	B09.011.094		X		X		X		W8683 R2167	
PIPING	B09.011.103		X		X	X			F1680 P6155 R2167	
PIPING	B09.011.104		X		X		X		F2541 R2167	
PIPING	B09.011.105		X		X		X		W9276 J0279	
PIPING	B09.011.106		X		X		X		W9276 J0279	
PIPING	B09.011.107		X		X		X		P6155	
PIPING	B09.011.108		X		X	X			W9276 F2541 P1680 S9893	
PIPING	B09.011.109		X		X		X		F2541 W9276	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.110		X		X	X			W9276 F2541 P1680 S9893	
PIPING	B09.011.111		X		X		X		P6155 R2167	
PIPING	B09.011.112		X		X	X			W9276 F2541 W8683 R2167 P1680 S9893	
PIPING	B09.011.113		X		X		X		R9190	
PIPING	B09.011.114		X		X	X			P1680 S9893 R2167	
PIPING	B09.011.115		X		X		X		P6155 R2167	
PIPING	B09.011.116		X		X		X		P1680 R2167	
PIPING	B09.011.117		X		X		X		P6155	
PIPING	B09.011.122		X		X	X			P1680 S9893 P6155	
PIPING	B09.011.123		X		X		X		W8683 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

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COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.150		X		X	X			W9276 W8683 F2541 R2167 S9893	
PIPING	B09.011.151		X		X		X		W8683 R2167	
PIPING	B09.011.160		X		X	X			W9276 W8683 F2541 R2167 S9893	
PIPING	B09.011.161		X		X		X		W8683 R2167	
PIPING	B09.011.168	X		X		X		901-038	P1680 P6155	Acceptable
PIPING	B09.011.169		X		X		X		W8583 S9893	
PIPING	B09.011.170		X		X	X			F2541 P6274 P6155 R2167	
PIPING	B09.011.171		X		X		X		P6274	
PIPING	B09.011.174		X		X		X		F2541 P6274 P6155 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.011.175		X		X		X		P6274	
PIPING	B09.011.176		X		X		X		P1680 P6155	
PIPING	B09.011.177		X		X		X		P6155	
PIPING	B09.011.178		X		X	X			P1680 P6155 W8683	
PIPING	B09.011.179		X		X		X		P6155	
PIPING	B09.011.180		X		X		X		P1680 P6155	
PIPING	B09.011.181		X		X		X		F2541 R2167	
PIPING	B09.011.184		X		X		X		P1680 R2167	
PIPING	B09.012.001		X		X		X		W9276 F2541	
PIPING	B09.012.002		X		X		X		P6155 R2167	
PIPING	B09.012.003		X		X		X		W9276 F2541	
PIPING	B09.012.004		X		X		X		P6155 R2167	
PIPING	B09.012.005		X		X	X			P1680 S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.006		X		X		X		P6155 R2167	
PIPING	B09.012.007		X		X		X		F2541 P6155 P1680 R2167	
PIPING	B09.012.008		X		X		X		P6155 R2167 F2541 P1680	
PIPING	B09.012.008.02		X		X		X		P1680 R2167 F2541 P6155	
PIPING	B09.012.008.03		X		X		X		W8683 R2167	
PIPING	B09.012.008.04		X		X		X		F2541 P6155 P1680 R2167	
PIPING	B09.012.008.05		X		X		X		W8683 R2167	
PIPING	B09.012.009		X		X	X			P1680 R2167 F2541 P6155	
PIPING	B09.012.009.01		X		X		X		W8683 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.010		X		X		X		F2541 P6155 P1680 R2167	
PIPING	B09.012.010.01		X		X		X		W8683 R2167	
PIPING	B09.012.011		X		X		X		F2541 P6155 P1680 R2167	
PIPING	B09.012.011.01		X		X		X		P6155 R2167	
PIPING	B09.012.012		X		X		X		F2541 P6155 P1680 R2167	
PIPING	B09.012.012.01		X		X		X		P6155 R2167	
PIPING	B09.012.013.01		X		X		X		W8683 R2167	
PIPING	B09.012.015		X		X		X		W8683 R2167	
PIPING	B09.012.016		X		X	X			P1680 S9893	
PIPING	B09.012.017		X		X		X		F2541 P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.018		X		X		X		F2541 P6155	
PIPING	B09.012.020		X		X		X		P6155 R2167	
PIPING	B09.012.021		X		X		X		W9276 F2541	
PIPING	B09.012.022		X		X		X		W9276 F2541	
PIPING	B09.012.023		X		X		X		W9276 S9893	
PIPING	B09.012.024		X		X		X		W9276 S9893	
PIPING	B09.012.025		X		X		X		W9276 F2541	
PIPING	B09.012.026		X		X		X		W9276 F2541	
PIPING	B09.012.027		X		X		X		W9276 S9893	
PIPING	B09.012.028		X		X		X		W9276 S9893	
PIPING	B09.012.029		X		X		X		W9276 S9893	
PIPING	B09.012.030		X		X		X		W9276 S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.031		X		X		X		W9276 F2541	
PIPING	B09.012.032		X		X		X		P6155 R2167	
PIPING	B09.012.033		X		X		X		W9276 F2541	
PIPING	B09.012.034		X		X		X		P6155 R2167	
PIPING	B09.012.035		X		X		X		W9276 F2541 W8683 R2167	
PIPING	B09.012.036		X		X		X		R9190	
PIPING	B09.012.037		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.038		X		X		X		R9190	
PIPING	B09.012.039		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.040		X		X		X		P6155 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 06

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.041		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.042		X		X		X		P6155 R2167	
PIPING	B09.012.043		X		X		X		W9276 F2541	
PIPING	B09.012.044		X		X		X		R9190	
PIPING	B09.012.045		X		X		X		W9276 F2541	
PIPING	B09.012.046		X		X		X		R9190	
PIPING	B09.012.047		X		X		X		F2541 R2167	
PIPING	B09.012.048		X		X		X		F2541 R2167	
PIPING	B09.012.049		X		X		X		F2541 R2167	
PIPING	B09.012.050		X		X		X		F2541 R2167	
PIPING	B09.012.051		X		X		X		W9276 F2541	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 06

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.052		X		X		X		P6155 R2167	
PIPING	B09.012.053		X		X		X		W9276 F2541	
PIPING	B09.012.054		X		X		X		P6155 R2167	
PIPING	B09.012.055		X		X		X		W9276 F2541	
PIPING	B09.012.056		X		X		X		W8683 R2167	
PIPING	B09.012.057		X		X		X		W9276 F2541 P1680 R2167	
PIPING	B09.012.058		X		X		X		W8683 R2167	
PIPING	B09.012.059		X		X		X		W9276 F2541	
PIPING	B09.012.060		X		X		X		W8683 R2167	
PIPING	B09.012.061		X		X		X		W9276 F2541	
PIPING	B09.012.062		X		X		X		W8683 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.012.064		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.065		X		X		X		W8683 R2167	
PIPING	B09.012.066		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.057		X		X		X		W8683 R2167	
PIPING	B09.012.068		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.069				X		X		P6155 W8683	
PIPING	B09.012.070		X		X		X		W9276 W8683 F2541 R2167	
PIPING	B09.012.071		X		X		X		P6155 W8683	
PIPING	B09.021.001		X		X		X		W9276	
PIPING	B09.021.003		X		X		X		P6274	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

OUTAGE 06

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.021.005		X		X		X		P6274	
PIPING	B09.021.008		X		X		X		W8683	
PIPING	B09.021.009		X		X		X		P6155	
PIPING	B09.021.026		X		X		X		W8683	
PIPING	B09.021.029		X		X		X		P6155	
PIPING	B09.021.037		X		X		X		F2541 W9276	
PIPING	B09.021.038.01		X		X		X		F2541 W9276	
PIPING	B09.021.038.02		X		X		X		F2541 W9276	
PIPING	B09.021.049		X		X		X		P6155	
PIPING	B09.021.051		X		X		X		P6155	
PIPING	B09.021.052		X		X		X		W9276	
PIPING	B09.021.053		X		X		X		P6155	
PIPING	B09.021.054		X		X		X		P6155	
PIPING	B09.021.055		X		X		X		P6155	
PIPING	B09.021.056		X		X		X		P6155	
PIPING	B09.021.058		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.021.059		X		X		X		P6155	
PIPING	B09.021.060		X		X		X		P6155	
PIPING	B09.021.061		X		X		X		P6155	
PIPING	B09.021.062		X		X		X		P6155	
PIPING	B09.021.063		X		X		X		P6155	
PIPING	B09.021.064		X		X		X		F2541 W9276	
PIPING	B09.021.065		X		X		X		F2541 W9276	
PIPING	B09.021.066		X		X		X		F2541 W9276	
PIPING	B09.021.067		X		X		X		F2541 W9276	
PIPING	B09.021.068		X		X		X		F2541 R2167	
PIPING	B09.021.069		X		X		X		P6274	
PIPING	B09.021.070		X		X		X		P6274	
PIPING	B09.021.071		X		X		X		F2541 R2167	
PIPING	B09.021.072		X		X		X		F2541 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.021.073		X		X		X		P6155	
PIPING	B09.021.074		X		X		X		P6155	
PIPING	B09.031.001		X		X	X			P1680 S9893	
PIPING	B09.031.002		X		X		X		P6155 W8683	
PIPING	B09.031.003		X		X	X			F2541 S9893	
PIPING	B09.031.004		X		X		X		W8683 R2167	
PIPING	B09.031.005		X		X		X		W8683 R2167	
PIPING	B09.031.008		X		X	X			F2541 S9893	
PIPING	B09.031.009		X		X		X		P6155 R2167	
PIPING	B09.031.014		X		X	X			F2541 S9893	
PIPING	B09.031.015		X		X		X		F2541 S9893	
PIPING	B09.031.016		X		X	X			F2541 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.031.017		X		X		X		P6155 R2167	
PIPING	B09.031.023		X		X	X			F2541 S9893	
PIPING	B09.031.024		X		X		X		P6155 W8683	
PIPING	B09.031.025		X		X	X			F2541 S9893	
PIPING	B09.031.028		X		X	X			F2541 S9893	
PIPING	B09.031.029		X		X		X		W8683 R2167	
PIPING	B09.031.030		X		X	X			F2541 S9893	
PIPING	B09.031.031		X		X		X		W8683 R2167	
PIPING	B09.031.035	X		X		X		901-031	P1680 P6155	Acceptable
PIPING	B09.031.036		X		X		X		P6155	
PIPING	B09.031.037	X		X		X		901-037	P1680 P6155	Acceptable
PIPING	B09.040.001		X		X		X		P6155	
PIPING	B09.040.002		X		X		X		P6155	
PIPING	B09.040.003		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B09.040.004		X		X		X		P6155	
PIPING	B09.040.005		X		X		X		P6155	
PIPING	B09.040.006		X		X		X		P6155	
PIPING	B09.040.007		X		X		X		P6155	
PIPING	B09.040.008		X		X		X		P6155	
PIPING	B09.040.009		X		X		X		P6155	
PIPING	B10.010.001		X		X		X		W8683 R2167	
PIPING	B10.010.004		X		X	X			P6155 R2167	
PIPING	B10.010.005		X		X		X		W8683	
PIPING	B10.010.006		X		X		X		W8683	
PIPING	B10.010.013		X		X		X		P6155	
PIPING	B11.010.001		X		X		X		W8683	
PIPING	B11.010.005	X		X			X	901-019	W8683	Acceptable
PIPING	B11.010.006		X		X		X		W8683	
PIPING	B11.010.012		X		X		X		W8683	
PIPING	B11.010.014		X		X		X		W8683	
PIPING	B11.010.015		X		X		X		W8683 S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	B11.010.016		X		X		X		W8683	
PIPING	B11.010.019.01		X		X		X		F2541 R2167	
PIPING	B11.010.020		X		X		X		F2541 R2167	
PIPING	B11.010.024		X		X		X		W8683	
PIPING	B11.010.025		X		X		X		P6155	
PIPING	B11.010.026		X		X		X		F2541 R2167	
PIPING	B11.010.027		X		X		X		F2541 R2167	
RC PUMP SUPPORT	B11.020.001		X		X		X		M7818	
RC PUMP SUPPORT	B11.020.002		X		X		X		M7818	
RC PUMP SUPPORT	B11.020.003		X		X		X		M7818	
RC PUMP SUPPORT	B11.020.004		X		X		X		M7818	
VALVE	B12.040.009	X		X			X	901-027	F2541 R2167	Acceptable
RV	B13.010.001		X		X		X		S7635 P6155	
RV	B13.030.001		X		X		X		P6155 M7818	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
RV	B13.030.002		X		X		X		P6155 M7818	
RV	B13.030.003		X		X		X		S7635	
CRDM	B14.010.001		X		X		X		F2541 P6274 R2167	

CLASS 2 EXAMINATION DATA

This section contains the Class 2 examination data generated during Outage #6 which documents the recordable/reportable indications and limited examinations. All examination data is filed in sequential order by figure number.

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
VESSEL	C01.030.002	X		X			X	901026	P1680/P6155	Acceptable
VESSEL	C01.050.008	X		X			X	901030	P1680/P6155	Acceptable
VESSEL	C02.020.019	X		X			X	901032	P1680/P6155	Acceptable
VESSEL	C02.020.023.01		X		X		X		P6155/R2167	
VESSEL	C03.020.002		X		X		X		P6155/R2167	
VESSEL	C03.020.003		X		X		X		P6155/R2167	
VESSEL	C03.020.004		X		X		X		P6155/R2167	
VESSEL	C03.020.005		X		X		X		P6155/R2167	
SUPPORT	C03.040.003		X		X		X		W8683	
RESTRAINT	C03.040.005		X		X	X			W9276/S9893	
SUPPORT	C03.040.006		X		X		X		W8683	
SUPPORT	C03.040.007		X		X		X		W8683	
SUPPORT	C03.040.011		X		X		X		W9276	
SUPPORT	C03.040.016.01		X		X		X		W9276/R2167	
SUPPORT	C03.040.018		X		X		X		P6155/W8683	
SUPPORT	C03.040.033		X		X		X		W8683/S9893	
SUPPORT	C03.040.034		X		X		X		P6155/W8683	
SUPPORT	C03.040.035		X		X		X		P6155/R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
RESTRAINT	C03.040.044		X		X		X		F2541	
RESTRAINT	C03.040.053		X		X		X		F2541	
RESTRAINT	C03.040.065		X		X		X		W9276	
SUPPORT	C03.040.074		X		X		X		P6155/W8683	
RESTRAINT	C03.040.079.01		X		X		X		P6155	
RESTRAINT	C03.040.093		X		X		X		P6155	
SUPPORT	C03.040.110		X		X		X		W8683	
RESTRAINT	C03.040.114.01		X		X		X		F2541/R2167	
SUPPORT	C03.040.115		X		X	X			F2541	
SUPPORT	C03.040.121		X		X		X		F2541	
RESTRAINT	C03.040.129.01		X		X		X		R9190/F2541	
SUPPORT	C03.040.134		X		X		X		F2541	
SUPPORT	C03.040.137		X		X		X		W8683/03149	
SUPPORT	C03.050.001		X		X		X		W8683	
RESTRAINT	C03.050.003		X		X		X		F2541/R2167	
SUPPORT	C03.050.004		X		X		X		W8683	
RESTRAINT	C03.050.007		X		X		X		W8683	
SUPPORT	C03.050.007.08		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	C03.050.010		X		X		X		W8683	
SUPPORT	C03.050.014		X		X		X		W8683	
SUPPORT	C03.050.017.01		X		X		X		W8683	
SUPPORT	C03.050.019		X		X	X			W8683	
RESTRAINT	C03.050.021		X		X		X		R9190	
RESTRAINT	C03.050.027		X		X		X		R9190	
RESTRAINT	C03.050.032		X		X	X			W8683	
RESTRAINT	C03.050.045		X		X		X		W8683/S9893	
RESTRAINT	C03.050.048		X		X		X		R9190	
RESTRAINT	C03.050.049		X		X		X		R9190	
RESTRAINT	C03.050.050		X		X		X		R9190	
RESTRAINT	C03.050.051.09		X		X		X		R9190	
RESTRAINT	C03.050.053		X		X		X		R9190	
RESTRAINT	C03.050.055		X		X		X		R9190	
RESTRAINT	C03.050.059		X		X		X		R9190	
RESTRAINT	C03.050.066		X		X		X		R9190	
RESTRAINT	C03.050.072		X		X		X		R9190	
RESTRAINT	C03.050.073		X		X		X		R9190	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
RESTRAINT	C03.050.078		X		X		X		R9190	
RESTRAINT	C03.050. 080.12		X		X		X		R9190	
SUPPORT	C03.050.082		X		X	X			P6155	
RESTRAINT	C03.050. 084.05		X		X		X		F2541	
ANCHOR	C03.050. 084.06		X		X		X		03149	
SUPPORT	C03.050.091		X		X		X		W8683	
RESTRAINT	C03.050.092		X		X		X		F2541	
RESTRAINT	C03.050.105		X		X		X		W8683	
SUPPORT	C03.050.108		X		X		X		W8683	
RESTRAINT	C03.050.110		X		X		X		W8683/ R2167	
RESTRAINT	C03.050.112		X		X		X		03149	
SUPPORT	C03.050.113		X		X		X		03149	
RESTRAINT	C03.050. 119.01		X		X		X		03149	
SUPPORT	C03.050.128		X		X		X		03149	
SUPPORT	C03.050. 128.01		X		X		X		W8683/R2167	
SUPPORT	C03.050.132		X		X		X		W8683/R2167	
SUPPORT	C03.050.136		X		X		X		W8683	
SUPPORT	C03.050.138		X		X	X			W8683	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/ NOTES
		YES	NO	YES	NO	YES	NO			
RESTRAINT	C03.050.140		X		X		X		P6155	
SUPPORT	C03.050.141		X		X		X		W8683	
RESTRAINT	C03.050.143		X		X		X		03149	
SUPPORT	C03.050.144		X		X		X		03149	
SUPPORT	C03.050.147		X		X		X		W8683	
SUPPORT	C03.050.151		X		X		X		W8683	
SUPPORT	C03.050.155		X		X	X			F2541	
RESTRAINT	C03.050.159		X		X		X		F2541/R2167	
SUPPORT	C03.050.162.01		X		X		X		W8683/S9893	
RESTRAINT	C03.050.164.01		X		X	X			P6155	
SUPPORT	C03.050.169		X		X		X		P6155	
RESTRAINT	C03.050.172	X		X		X		901001	03149	Acceptable
SUPPORT	C03.050.176	X		X			X	901002	03149	Acceptable
SUPPORT	C03.050.181		X		X		X		03149	
SUPPORT	C03.050.192		X		X		X		F2541	
SUPPORT	C03.050.194		X		X		X		03149	
SUPPORT	C03.050.197		X		X		X		F2541	
SUPPORT	C03.050.198	X		X			X	901008	W8683	Acceptable

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	C03.050.199		X		X		X		W8683	
SUPPORT	C03.050.200		X		X		X		W8683	
SUPPORT	C03.050.223		X		X		X		W8683/R2167	
SUPPORT	C03.050.224		X		X		X		W8683/R2167	
SUPPORT	C03.050.225		X		X		X		F2541/R2167	
SUPPORT	C03.050.226		X		X		X		F2541/R2167	
SUPPORT	C03.050.227		X	X		X		901-047	W8683	Acceptable
SUPPORT	C03.050.228		X		X		X		W8683	
SUPPORT	C03.050.229		X		X		X		F2541/R2167	
SUPPORT	C03.050.230		X		X		X		R9190/F2541	
SUPPORT	C03.060.005		X		X		X		03149	
SUPPORT	C03.060.013	X		X			X	901018	W8683/R2167	Acceptable
SUPPORT	C03.060.019		X		X		X		F2541/R2167	
SUPPORT	C03.060.049.02		X		X		X		03149	
SUPPORT	C03.060.072		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/ NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	C03.060.076		X		X		X		R9190	
SUPPORT	C03.060.083		X		X		X		P6155	
SUPPORT	C03.080.003		X		X		X		F2541	
BOLTING	C04.030.001		X		X	X			W9276/R2167	20 STUDS
BOLTING	C04.030.001		X		X	X			F2541/R2167	TOTAL
PIPING	C05.011.002		X		X		X		W8683	
PIPING	C05.011.003		X		X	X			W8683	
PIPING	C05.011.004		X		X		X		W8683	
PIPING	C05.011.005		X		X		X		W8683	
PIPING	C05.011.006		X		X		X		W8683	
PIPING	C05.011.018		X		X		X		F2541/R2167	
PIPING	C05.011.024		X		X		X		F2541	
PIPING	C05.011.031		X		X		X		W9276/S9893	
PIPING	C05.011.044		X		X		X		F2541/R2167	
PIPING	C05.011.045		X		X		X		F2541/R2167	
PIPING	C05.011.049		X		X		X		W9276	
PIPING	C05.011.061		X		X		X		W8683	
PIPING	C05.011.062		X		X		X		W8683	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.011.063		X		X		X		W8683	
PIPING	C05.011.064		X		X		X		W8683	
PIPING	C05.011.065		X		X		X		03149	
PIPING	C05.011.068		X		X		X		03149	
PIPING	C05.011.071		X		X		X		03149	
PIPING	C05.011.072		X		X		X		03149	
PIPING	C05.011.075		X		X		X		P6155	
PIPING	C05.011.081		X		X		X		P6155	
PIPING	C05.011.084		X		X		X		P6155	
PIPING	C05.011.086		X		X		X		P6155	
PIPING	C05.011.088		X		X		X		W8683	
PIPING	C05.011.089		X		X		X		W8683	
PIPING	C05.011.090		X		X		X		W9276	
PIPING	C05.011.093		X		X		X		W8683	
PIPING	C05.011.095		X		X		X		P6155	
PIPING	C05.011.098		X		X		X		W8683	
PIPING	C05.011.099		X		X		X		W9276/P6155	
PIPING	C05.011.100		X		X		X		W9276/P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.011.101		X		X		X		W8683	
PIPING	C05.011.102		X		X		X		F2541/R2167	
PIPING	C05.011.107		X		X		X		W8683	
PIPING	C05.011.108		X		X		X		O3149	
PIPING	C05.011.110		X		X		X		W9276/R2167	
PIPING	C05.011.111		X		X		X		P6155	
PIPING	C05.011.112		X		X	X			W9276/S9893	
PIPING	C05.011.113		X		X		X		W9276	
PIPING	C05.011.115		X		X		X		W9276	
PIPING	C05.011.122		X		X		X		W9276	
PIPING	C05.011.123		X		X		X		W9276/R2167	
PIPING	C05.011.124		X		X		X		W8613	
PIPING	C05.011.125		X		X		X		P6155	
PIPING	C05.011.129		X		X		X		O3149	
PIPING	C05.011.134		X		X		X		W9276/P6155	
PIPING	C05.011.136		X		X		X		W8683/R2167	
PIPING	C05.011.141		X		X		X		P6155	
PIPING	C05.011.148		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.011.166		X		X		X		W8683/S9893	
PIPING	C05.011.169		X		X		X		W8683	
PIPING	C05.011.174		X		X		X		P6155	
PIPING	C05.011.176		X		X		X		W8683	
PIPING	C05.011.177		X		X		X		P6155	
PIPING	C05.011.180		X		X		X		F2541	
PIPING	C05.011.181		X		X		✓		W9276/S9893	
PIPING	C05.011.184		X		X		X		P6155/W8683	
PIPING	C05.011.185		X		X		X		P6155/W8683	
PIPING	C05.011.191		X		X		X		P6155/R2167	
PIPING	C05.011.196		X		X		X		P6155/W8683	
PIPING	C05.011.201		X		X		X		W8683/R2167	
PIPING	C05.011.202		X		X		X		W8683	
PIPING	C05.011.203		X		X	X			F2541	
PIPING	C05.011.204		X		X		X		F2541/R2167	
PIPING	C05.011.205		X		X		X		P6155	
PIPING	C05.012.00		X		X		X		W8683	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.012.009		X		X		X		W9276/S9893	
PIPING	C05.012.010		X		X		X		03149	
PIPING	C05.012.010.02		X		X		X		W8683	
PIPING	C05.012.012		X		X		X		F2541	
PIPING	C05.012.015		X		X		X		W8683	
PIPING	C05.012.017		X		X		X		03149	
PIPING	C05.012.018		X		X		X		W8683	
PIPING	C05.012.019		X		X		X		W9276	
PIPING	C05.012.020		X		X		X		W9276	
PIPING	C05.012.021		X		X		X		F2541	
PIPING	C05.012.022		X		X		X		P6155	
PIPING	C05.012.023		X		X		X		W8683	
PIPING	C05.012.024		X		X		X		W9276	
PIPING	C05.012.025		X		X		X		03149	
PIPING	C05.012.026		X		X		X		W8683	
PIPING	C05.012.027		X		X		X		W8683	
PIPING	C05.012.028		X		X		X		W9276	
PIPING	C05.012.029		X		X		X		W9276	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.012.030		X		X		X		W9276	
PIPING	C05.012.031		X		X		X		W9276/R2167	
PIPING	C05.012.032		X		X		X		W8683	
PIPING	C05.012.033		X		X		X		03149	
PIPING	C05.012.034		X		X		X		03149	
PIPING	C05.012.035		X		X		X		W8683	
PIPING	C05.012.036		X		X		X		W9276	
PIPING	C05.012.037		X		X		X		W9276	
PIPING	C05.012.038		X		X		X		W9276	
PIPING	C05.012.039		X		X		X		F2541	
PIPING	C05.012.040		X		X		X		W8683	
PIPING	C05.012.041		X		X		X		F2541	
PIPING	C05.012.042		X		X		X		F2541	
PIPING	C05.012.043		X		X		X		W8683/S9893	
PIPING	C05.012.044		X		X		X		W8683/S9893	
PIPING	C05.012.045		X		X		X		P6155	
PIPING	C05.012.046		X		X		X		P6155	
PIPING	C05.012.047		X		X		X		W8683	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.012.048		X		X		X		W9276/R2167	
PIPING	C05.012.049		X		X		X		W9276/P6155	
PIPING	C05.012.050		X		X		X		W9276/P6155	
PIPING	C05.012.051		X		X		X		W9276/P6155	
PIPING	C05.012.052		X		X		X		W8683	
PIPING	C05.012.053		X		X		X		F2541/R2167	
PIPING	C05.012.054		X		X		X		F2541/R2167	
PIPING	C05.012.055		X		X		X		F2541/R2167	
PIPING	C05.012.056		X		X		X		F2541/R2167	
PIPING	C05.012.057		X		X		X		W9276	
PIPING	C05.012.058		X		X		X		W9276	
PIPING	C05.012.059		X		X		X		W8683	
PIPING	C05.012.060		X		X		X		W8683	
PIPING	C05.012.061		X		X		X		W9276/R2167	
PIPING	C05.012.062		X		X		X		W9276/R2167	
PIPING	C05.012.063		X		X		X		W9276/R2167	
PIPING	C05.012.064		X		X		X		P6155	
PIPING	C05.012.065		X		X		X		P6155	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.012.066		X		X		X		W9276	
PIPING	C05.012.067		X		X		X		W9276	
PIPING	C05.012.068		X		X	X			W9276/S9893	
PIPING	C05.012.069		X		X		X		F2541	
PIPING	C05.012.070		X		X		X		P6155	
PIPING	C05.012.071		X		X		X		F2541	
PIPING	C05.012.072		X		X		X		F2541/R2167	
PIPING	C05.012.073		X		X		X		W8683	
PIPING	C05.012.074		X		X		X		W9276	
PIPING	C05.021.002		X		X	X			P1680/R2167	
PIPING	C05.021.003		X		X		X		P1680/R2167	
PIPING	C05.021.004		X		X	X			P1680/R2167	
PIPING	C05.021.009	X		X			X	901043	P1680/R2167	Acceptable
PIPING	C05.021.014	X		X		X		901042	P1680/R2167	Acceptable
PIPING	C05.021.026		X		X		X		F2541	
PIPING	C05.021.061	X		X		X		901039	P1680/R2167	Acceptable
PIPING	C05.021.070		X		X	X			J0279/R2167	
PIPING	C05.021.078	X		X		X		901040	P1680/R2167	Acceptable

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.021.082		X		X	X			W9276/P6155	
PIPING	C05.021.085	X		X			X	901034	J0279/R2167	Acceptable
PIPING	C05.021.085.01		X		X		X		F2541	
PIPING	C05.021.088	X		X		X		901041	P1680/R2167	Acceptable
PIPING	C05.021.099		X		X	X			J0279/S9893	
PIPING	C05.021.102	X		X		X		901009	W9276/03149	Acceptable
PIPING	C05.021.106	X		X			X	901-010	W9276/03149	Acceptable
PIPING	C05.021.107		X		X		X		W9276/P6155	
PIPING	C05.021.108		X		X		X		F2541	
PIPING	C05.021.126	X		X		X		901045	W8683/S9893	Acceptable
PIPING	C05.021.127		X		X		X		P6155	
PIPING	C05.022.013		X		X		X		W9276/W8683	
PIPING	C05.022.014		X		X		X		W8683/W9276	
PIPING	C05.022.015		X		X		X		J0279/R2167	
PIPING	C05.022.016		X		X		X		F2541	
PIPING	C05.022.017		X		X		X		J0279/R2167	
PIPING	C05.022.020		X		X	X			W8683/S9893	
PIPING	C05.022.020.01		X		X		X		R9190/S9893	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
PIPING	C05.022.022		X		X		X		W8683/S9893	
PIPING	C05.022.024	X		X			X	901022	R9190/S9893	Acceptable
PIPING	C05.022.031		X		X		X		P1680/R2167	
PIPING	C05.022.032		X		X		X		W9276/P6155	
PIPING	C05.022.033		X	X			X	901-025	W8683/W9276	Acceptable
PIPING	C05.022.034		X		X		X		F2541	
PIPING	C05.022.039		X		X		X		F2541	
PIPING	C05.022.043		X		X		X		W8683/W9276	
PIPING	C05.022.045		X		X		X		R9190/S9893	
PIPING	C05.022.046		X		X		X		R9190/S9893	
PIPING	C05.022.050		X		X		X		W9276/P6155	
PIPING	C05.022.058		X		X		X		F2541/R9190	
PIPING	C05.022.059		X		X		X		F2541/R9190	
PIPING	C05.022.060		X		X		X		W9276/P6155	
PIPING	C05.022.061		X		X		X		W8683/03149	
PIPING	C05.022.062		X		X		X		W9276/P6155	
PIPING	C05.022.063		X		X		X		W8683/03149	

CLASS 3 EXAMINATION DATA

This section contains the Class 3 examination data generated during Outage #6 which documents the recordable/reportable indications and limited examinations. All examination data is filed in sequential order by figure number.

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 96

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D01.002.002		X		X		X		F2541 R2167	
SUPPORT	D01.002.005		X		X		X		W8683	
SUPPORT	D01.002.015		X		X		X		P6155	
SUPPORT	D01.002.017		X		X		X		P6155	
SUPPORT	D01.002.020		X		X		X		P6155	
SUPPORT	D01.002.023		X		X		X		P6155	
SUPPORT	D01.002.027		X		X		X		P6155	
SUPPORT	D01.002.032		X		X		X		P6155	
SUPPORT	D01.002.033		X		X		X		P6155	
SUPPORT	D01.002.035	X		X			X	901-006	W8683 F2541	Acceptable
SUPPORT	D01.002.038		X		X		X		P6155	
SUPPORT	D01.002.039		X		X		X		P6155 R2167 W8683	
SUPPORT	D01.002.042		X		X		X		F2541	
SUPPORT	D01.002.045		X		X		X		P6155	
SUPPORT	D01.002.048		X		X		X		W8683	
SUPPORT	D01.002.049		X		X		X		W8683 F2541	

EXAMINATION SUMMARY TABLE

OUTAGE 06

TOLEDO EDISON COMPANY DAVIS-BESSE UNIT 1

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D01.002.049.01		X		X		X		03149	
SUPPORT	D01.002.049.02		X		X		X		03149	
SUPPORT	D01.002.050		X		X		X		P6155	
SUPPORT	D01.002.053		X		X		X		P6155	
SUPPORT	D01.002.056		X		X		X		P6155 W8683	
SUPPORT	D01.002.059		X		X		X		W8683	
SUPPORT	D01.002.060		X		X		X		P6155	
SUPPORT	D01.002.060.01		X		X		X		P6155 R2167	
SUPPORT	D01.002.065		X		X		X		W8683	
SUPPORT	D01.002.066		X		X		X		P6155	
SUPPORT	D01.002.068		X		X		X		P6155	
SUPPORT	D01.002.072		X		X		X		P6155 R2167	
SUPPORT	D01.002.075		X		X		X		O3149 F2541	
SUPPORT	D01.002.078	X		X			X	901-003	O3149	Acceptable
SUPPORT	D01.002.079		X		X		X		O3149	
SUPPORT	D01.002.081		X		X		X		O3149	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 06

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D01.002.084		X		X		X		F2541	
SUPPORT	D01.002.085		X		X		X		P6155	
SUPPORT	D01.002.087		X		X		X		W8683 F2541	
SUPPORT	D01.002.090		X		X		X		P6155 F2541	
SUPPORT	D01.002.092		X		X		X		W8683 O3149	
SUPPORT	D01.002.095		X		X	X			O3149	
SUPPORT	D01.002.098		X		X	X			F2541	
SUPPORT	D01.002.100		X		X		X		F2541	
SUPPORT	D01.002.101.01	X		X			X	901-020	O3149 F2541	Acceptable
SUPPORT	D01.002.101.02		X		X		X		F2541	
SUPPORT	D01.002.103		X		X		X		F2541	
SUPPORT	D01.002.104		X		X		X		F2541	
SUPPORT	D01.002.105		X		X		X		W8683 R2167 F2541	
SUPPORT	D01.002.105.01		X		X		X		O3149 F2541	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-PESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D01.002.105.02		X		X		X		F2541	
SUPPORT	D01.002.105.03		X		X		X		O3149 F2541	
SUPPORT	D01.002.105.04		X		X		X		F2541	
SUPPORT	D01.002.105.05		X		X		X		O3149 F2541	
SUPPORT	D01.002.106		X		X		X		F2541	
SUPPORT	D01.002.109		X		X		X		P6155 F2541 R2167	
SUPPORT	D01.002.110		X		X		X		W8683 R2167	
SUPPORT	D01.002.112		X		X		X		P6155	
SUPPORT	D01.002.115		X		X		X		P6155 R2167	
SUPPORT	D01.002.116		X		X		X		P6155 R2167	
SUPPORT	D01.002.117		X		X		X		P6155 R2167 W8683	
SUPPORT	D01.002.118.01		X		X		X		O3149 P6155	
SUPPORT	D01.002.120		X		X		X		P6155 F2541	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D01.002.121		X		X		X		P6155	
SUPPORT	D01.002.125		X		X		X		O3149 W8683	
SUPPORT	D01.002.128		X		X		X		O3149 F2541	
SUPPORT	D01.002.132		X		X		X		P6155	
SUPPORT	DG1.002.139		X		X		X		W8683 F2541	
SUPPORT	LJ1.002.147		X		X		X		O3149 F2541	
SUPPORT	DO1.002.149		X		X		X		P6155	
SUPPORT	D01.002.153		X		X		X		F2541	
SUPPORT	D01.003.002		X		X		X		F2541	
SUPPORT	D01.003.005		X		X		X		P6155	
SUPPORT	DO1.003.007		X		X		X		P6155 F2541	
SUPPORT	D01.003.012		X		X		X		P6155	
SUPPORT	DO1.003.015		X		X		X		P6155 R2167 W8683	
SUPPORT	D01.003.020		X		X		X		P6155 F2541	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE #6

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D02.002.002		X		X		X		O3149 R2167	
SUPPORT	D02.002.003		X		Y		X		W8683	
SUPPORT	D02.002.005		X		X		X		W8683	
SUPPORT	D02.002.006		X		X		X		O3149	
SUPPORT	D02.002.009		X		X		X		W8683	
SUPPORT	D02.002.011		X		X		X		W8683	
SUPPORT	D02.002.014		X		X		X		W8683	
SUPPORT	D02.002.015		X		X		X		W8683	
SUPPORT	D02.002.016		X		X		X		W8683	
SUPPORT	D02.002.017		X		X		X		W8683	
SUPPORT	D02.002.019		X		X		X		W8683	
SUPPORT	D02.002.020		X		X		X		W8683	
SUPPORT	D02.002.022		X		X		X		W8683	
SUPPORT	D02.002.023		X		X		X		O3149	
SUPPORT	D02.002.024		X		X		X		P6155	
SUPPORT	D02.002.025		X		X		X		P6155	
SUPPORT	D02.002.027	X		X			X	901-013	O3149 R2167 P6155	Acceptable

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 06

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D02.002.028		X		X		X		O3149 R2167	
SUPPORT	D02.002.029		X		X		X		W8683	
SUPPORT	D02.002.030		X		X		X		O3149	
SUPPORT	D02.002.031		X		X		X		O3149	
SUPPORT	D02.002.033		X		X		X		W8683	
SUPPORT	D02.002.034		X		X		X		W8683	
SUPPORT	D02.002.035		X		X		X		W8683	
SUPPORT	D02.002.036		X		X		X		O3149	
SUPPORT	D02.002.038		X		X		X		O3149	
SUPPORT	D02.002.039		X		X		X		W8683	
SUPPORT	D02.002.041		X		X		X		W8683	
SUPPORT	D02.002.042		X		X		X		W8683	
SUPPORT	D02.002.044		X		X		X		F2541 R2167	
SUPPORT	D02.002.047	X		X			X	901-014	O3149 R2167 P6155	Acceptable
SUPPORT	D02.002.048		X		X		X		P6155	
SUPPORT	D02.002.050		X		X		X		O3149 R2167	

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY

DAVIS-BESSE UNIT 1

OUTAGE 86

COMP.	FIGURE NUMBER	RECORDABLE INDICATIONS		EVAL. REPORT INCLUDED		LIMITED EXAM		EVAL REPORT NUMBER	EXAMINER DATA BASE ID NUMBER	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
SUPPORT	D02.002.053		X		X		X		W8683 R2167	
SUPPORT	D02.003.002		X		X		X		W8683 R2167	
SUPPORT	D03.002.002		X		X		X		O3149	
SUPPORT	D03.002.003		X		X		X		F2541	
SUPPORT	D03.002.005		X		X		X		W8683	
SUPPORT	D03.002.007		X		X		X		O3149	
SUPPORT	D03.002.008		X		X		X		O3149 F2541	
SUPPORT	D03.002.009	X		X			X	901-007	F2541 O3149	Acceptable
SUPPORT	D03.002.012		X		X		X		W8683	
SUPPORT	D03.002.013		X		X		X		W8683	
SUPPORT	D03.003.001		X		X		X		W8683	
SUPPORT	D03.003.002	X		X			X	901-011	W8683	Acceptable

AUGMENTED EXAMINATION DATA

This section contains the Augmented examination data generated during Outage #6 which documents the recordable/reportable indications and limited examinations. All examination data is filed in sequential order by figure number.

EXAMINATION SUMMARY TABLE

TOLEDO EDISON COMPANY DAVIS-BESSE, UNIT 1 OUTAGE #6

COMPONENT	FIGURE NUMBER	RECORDABLE INDICATIONS		EVALUATION REPORT INCLUDED		LIMITED EXAM		EVALUATION REPORT NUMBER	EXAMINER(S) DATA BASE ID NUMBER(S)	FINAL STATUS/NOTES
		YES	NO	YES	NO	YES	NO			
FLYWHEEL	X00.001.018		X		X	X			W9276 S9893	
FLYWHEEL	X00.001.019		X		X	X			W9276 S9893	
FLYWHEEL	X00.001.021		X		X	X			R9190 F2541	
FLYWHEEL	X00.001.022		X		X	X			F2541 R9190	
FLYWHEEL	X00.001.024		X		X	X			R9190 R2167	
FLYWHEEL	X00.001.025		X		X		X		R9190 R2167	
FLYWHEEL	RCP 1-1-1(UT)		X		X	X			W9296 S9893	
FLYWHEEL	RCP 1-1-1(P.T)		X		X		X		W9276 S9893	
FLYWHEEL	RCP 1-1-2(UT)		X		X	X			F2541 R9190	
FLYWHEEL	RCP 1-1-2(P.T)		X		X		X		F2541 R9190	
FLYWHEEL	RCP 1-2-1(UT)		X		X	X			R9190 R2167	
FLYWHEEL	RCP 1-2-1(P.T)		X		X		X		R9190 R2167	
THERM SLEEVE	HPI #59	X			X		X		S7635	

Steam Generator Eddy Current
Inspection Results

The Inconel 600 tubing in the Once Through Steam Generators (OTSG's) at Toledo Edison Company's Davis Besse Unit #1 were examined by eddy current techniques during March 1990. The tubing in the generators measures 0.625" nominal outside diameter by 0.037" nominal wall thickness. The examinations were performed by personnel from the B&W Nuclear Service (BWNS) Company during the sixth scheduled outage.

Steam Generator 1-1 was selected for examination in accordance with the Davis-Besse Unit #1 Technical Specification. Steam Generator 1-2 was examined to provide information for preventive maintenance.

The bobbin coil was used to perform the examination. In addition, a select number of tubes were examined by the EDDY-360 rotating probe to further evaluate indications identified by the bobbin coil examinations performed during this outage. These reports are available at the plant site for review.

The examinations, equipment, and personnel were in compliance with the requirements of the applicable plant Technical Specifications, (for Steam Generator 1-2 only) Section XI of the ASME Boiler and Pressure Vessel Code - 1977 Edition through the Summer 1978 Addenda, industry standards and the Eddy Current Analysis Guidelines for Davis Besse Unit #1, BWNS Document No. 1198081A.

The bobbin coil examinations were performed with .510" diameter probes at frequencies of 600, 400, 150, and 10 kHz, each operated in both the differential and absolute modes. The frequencies were generated with a ZETEC MIZ-18A remote data acquisition unit. The 10 kHz was utilized as the locator channel, for debris analysis, and the feedwater head gap measurements. Previously 35 kHz was used for the debris analysis. An evaluation of the signal presentation related to classification of debris at tube support plates was performed using 10 kHz as an adequate substitute for the 35 kHz. This eliminated the need to acquire tube data twice; once for the debris analysis at 35 kHz and once for feedwater gap measurements at 10 kHz. In addition to the four base frequencies used a 400/200 kHz differential tube support plate (TSP) suppression mix was used to enhance the detection of indications at TSP intersections.

Results of the data analysis were recorded on the DDA-4 data disks and loaded into the Eddy Current Data Management System. This system was used to check the data for invalid analysis entries, to perform data sorting routines, to ensure all of the proper tubes were examined, and to print out final data sheets. Plots of tubesheet maps showing all indications found in this outage are provided in Figures 1 and 2.

BWNS's Automated Data Screening (ADS) was utilized by a second group of BWNS analysts as a secondary, independent data review. Any discrepancies between the primary analysis and ADS were resolved by the on-site Level III.

OTSG '1-2'

Of the 1984 tubes examined, the following indications were reported, one tube with a greater than 40% through wall degradation (TWD), one tube with an indication in the range of 30 to 39% TWD, three tubes with indications of 20 to 29% TWD, eleven tubes with indications of less than 20% TWD and one hundred seventy-one tubes with signal to noise (S/N) indications.

There were seven reported wear fretting indications in six tubes. These indications were documented as (S/N) and are located at the 12th or 13th TSP's.

A large number of tubes with possible pitting type degradation were reported in this generator. They are concentrated in the most center of the tube bundle and range from the 3rd TSP to the 8th TSP. These indications have been previously reported during the past two examinations. There is no measurable growth rate or any migration of this degradation. These indications present a very low amplitude eddy current signals and fall below the minimum (S/N) ratio.

Eight tubes were removed from service. They are 51-5, 68-10, 71-13, 73-8, 73-9, 75-30, 77-29, and 83-65. All these tubes exhibited possible IGA-SCC within the upper tube sheet crevice. These indications were reported either by bobbin coil or EDDY-360 rotating probe technique. Table 1 is a tubesheet map of the recordable indications.

OTSG '1-1'

OTSG 1-1 was examined to meet Plant Technical Specification requirements. Of the 3666 tubes examined in this generator, four tubes 38-11, 69-61, 73-63, and 151-8 were removed from service. These four tubes displayed possible indications of very small volume but deep percent through wall as compared to the ASME calibration standard. These tubes had no previous history of being examined by the bobbin coil. Therefore no trending information is available. Also the locations of these indications doesn't represent any trend towards a new damage mechanism.

Overall a small number of indications were reported in comparison to the number of tubes inspected. Four tubes had reported indications greater than 40% TWD, one tube was reported to have an indication in the range of 20 to 29% TWD, six tubes had reported indications of less than 20% TWD and forty two tubes had indication of S/N reported. Their locations are at various tube supports throughout the tube bundle. There was no indication of IGA-SCC present within the lane and wedge region of this generator.

Reactor Pressure Vessel (RPV)
Examination Results

This summary report covers the automated ultrasonic examination performed on the reactor vessel at Toledo Edison Company's Davis-Besse Nuclear Power Station. The examinations were performed during the sixth refueling outage during March and April of 1990, using Babcock & Wilcox Nuclear Service (BWNS) Company's Automated Reactor Inspection System (ARIS II). The ultrasonic data was acquired and analyzed using the Automated Data Acquisition System (ACCUSONEX^R). During the examination, ultrasonic data was acquired using both contact and immersion methods.

The specific examinations performed by the contact and immersion methods are identified in the final RPV report which is available at the plant site for review. In addition, the following documentation is included in that report and defines the method of examination: examination summaries, data records, calibration records, evaluation reports, instrument performance records, personnel and equipment certifications.

The ultrasonic examination of the reactor vessel welds was conducted in accordance with the examination requirements defined in Article IWA-2232 of the ASME Boiler and Pressure Vessel Code, Section XI and BWNS technical position on NRC Regulatory Guide 1.150.

The volume examined met or, as in most cases, exceeded the minimum requirements of the ASME Boiler and Pressure Vessel Code, Sections V and XI, 1977 Edition through Summer 1978 Addenda. Those areas in which access limited full coverage of the required examination volume are documented as limited examination areas and are documented in the final RPV report.

All weld examinations were conducted using the Automated Reactor Inspection System (ARIS-II) manipulator and the Automated Data Acquisition System (ACCUSONEX). All welds except for the W & Y axis core flood nozzle to safe end welds were examined using the contact UT technique. Both W & Y axis core flood nozzle safe end welds were examined using the immersion UT technique.

The examinations were conducted with the Code required angles of 0 degree longitudinal wave, 45 degree shear wave, and 60 degree shear wave. Additionally, 70 degree longitudinal wave angle beams specifically designed to examine the near surface region (clad/base metal interface) were also used.

Examination angles of 0 degree, 45 degree shear wear, 60 degree shear wear, and 70 degree longitudinal wave were used with the contact method to examine all of the vessel circumferential welds and all nozzle to shell welds. Examination angles of 45, 60, and 70 degrees were used with the contact method to examine all the core flood nozzle inside radius sections. The remaining inside radius sections of the inlet and outlet nozzles were examined with a 70 degree examination angle, also using the contact method. Examination angles of 45 and 65 degrees longitudinal waves were used with the immersion method to examine the core flood nozzle safe ends. Examination angles of 45 and 70 degrees were used in the contact method to examine all the nozzle to pipe welds.

The contact method examination angles of 0, 45, 60, and 70 degree angle beams were calibrated using the BWNS "Universal Calibration Block" in lieu of the applicable ASME calibration blocks. It was demonstrated prior to starting the vessel weld examinations, that the calibration sensitivity from the universal block exceeded the mandatory calibration sensitivity from the ASME calibration blocks. The immersion method examination angles of 45 and 65 degree angle beams were calibrated on standard ASME calibration holes and notches.

For establishing calibrations with the universal calibration block, a software routine "autocal" was used. Autocal allows the ACCUSONEX^R operator to construct a Distance Amplitude Correction (DAC) curve by dynamically scanning the universal calibration block. Specifically, autocal requires the input of predetermined target depths (calibration holes) and transducer beam angles for each transducer subject to calibration. During the dynamic scan autocal records the reflected signal amplitude vs. target depth for each target selected. Up to five targets may be chose; however, only three are needed for construction of the DAC curve. Stored with each of the five targets are its depth and corresponding reflected signal amplitude. After choosing three out of the five targets, autocal automatically constructs a DAC curve based on a linear extrapolation through the three selected points.

All calibration confirmations (Cal-Cons) were performed with the BWNS "Universal Block" in lieu of the applicable ASME calibration blocks. All Cal-Cons were performed to simulate actual real-time scan conditions. This was accomplished by dynamically scanning the universal calibration block in the same manner as the vessel and piping welds were scanned. Upon completion of the Cal-Con, the data was sent to analysis for verification of the transducer's performance characteristics.

The following is a summary of the ultrasonic examinations performed between March 5 through April 7 and a listing of the reactor pressure vessel and associated piping welds:

- a. WR-19 Flange to Vessel
- b. WR-1 Upper Core Region Circle Seam
- c. WR-1 Lower Core Region Circle Seam
- d. WR-34 Shell to Dutchman Circle Seam
- e. WR-35 Dutchman to Head Circle Seam
- f. W Axis Core Flood Nozzle to Shell
- g. Y Axis Core Flood Nozzle to Shell
- h. W-X Axis Inlet Nozzle to Shell
- i. X-Y Axis Inlet Nozzle to Shell
- j. Y-Z Axis Inlet Nozzle to Shell
- k. Z-W Axis Inlet Nozzle to Shell
- l. X Axis Outlet Nozzle to Shell
- m. Z Axis Outlet Nozzle to Shell
- n. W Axis Core Flood Nozzle Inside Radius Section
- o. Y Axis Core Flood Nozzle Inside Radius Section
- p. W-X Axis Inlet Nozzle Inside Radius Section
- q. X-Y Axis Inlet Nozzle Inside Radius Section
- r. Y-Z Axis Inlet Nozzle Inside Radius Section
- s. Z-W Axis Inlet Nozzle Inside Radius Section
- t. X Axis Outlet Nozzle Inside Radius Section
- u. Z Axis Outlet Nozzle Inside Radius Section
- v. W Axis Core Flood Nozzle to Safe End
- w. Y Axis Core Flood Nozzle to Safe End

- x. W-X Axis Inlet Nozzle, Pipe to Nozzle
- y. X-Y Axis Inlet Nozzle, Pipe to Nozzle
- z. Y-Z Axis Inlet Nozzle, Pipe to Nozzle
- aa. Z-W Axis Inlet Nozzle, Pipe to Nozzle
- bb. X Axis Outlet Nozzle to Pipe
- cc. Z Axis Outlet Nozzle to Pipe

Throughout the above listed examinations a total of 65 indications were evaluated as recordable. These indications were evaluated to ASME Section XI, IWB-3510, IWB-3511, and IWB-3512 acceptance standards based on the data recorded with the detection transducers. The amplitude of each reflector was also compared to the ASME DAC levels for information as to the high sensitivity level of these examinations.

None of the indications were evaluated to be rejectable.

The following tables are provided for the examination results.

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B01.011.001	Circle Seam Core Region WR-1 (Upper) MK-169 to 170 B&W 154622E Rescans B2.2.1 75/1, 3, 4 90/5, 6	B2.1.1 A-F 2 B2.2.1 A-F 3, 4, 5	34/1, 2, 3 35/1, 2 36/3 39/1, 2, 3 40/1, 2, 3, 44/1, 2, 3 4, 5, 6 67/1, 2, 3, 4, 9, 10	X		TED-90-001	Acceptable
B01.011.002	Circle Seam Core Region WR-1 (Lower) MK-170 to 171 B&W 154622E Rescans 75/5, 6, 7	B3.1.1 A-F 5, 5	41/1, 2, 3 42/1 43/1, 2, 3, 4, 5, 6, 7, 8	X		TED090-002	Acceptable
B01.011.003	Circle Seam Shell to Dutchman WR-34 MK-171 to 181 B&W 154622E Rescans 90/8, 9, 11, 22	B4.1.1 A-L 1, 3, 4	68/2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 67/12, 13		X	n/a	n/a

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B01.011.003 (continued)		B4.1.1 A-L 1, 3, 4	69/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20				
		B4.2.1 A-L 1, 2, 3	71/1, 2, 3, 4, 5, 6, 7, 8 72/2, 3, 4, 5, 6, 7, 8 9, 10, 11, 12, 13, 14, 15, 16, 17 70/2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25				
B01.021.001	Circle Seam Dutchman to Head WR-35 MK 181 to 006 B&W 154622E Rescans 73/1, 5 77/4, 5 90/11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 23, 25, 26	B5.1.1 A-G 1, 2, 3	74/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 73/2, 3, 4, 6, 7, 8, 9, 10, 11 72/18	X		TED-90-003	Acceptable

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B01.030.001	Circle Seam Flange to Shell WR-19 MK-007 to 169 B&W 154622E 154616E Rescans B1.3.1: 75/2 92/1 (RF Sizing)	B1.1.1 A-F 2 B1.2.1 A-H 5 B1.3.1 A-F 3, 4	32/2 33/1, 2, 3, 4, 5 36/4 37/1, 2, 3, 4, 5, 6 38/1, 2 57/7, 8, 9 58/1, 2, 3 45/1, 2, 3 46/1, 2, 3	X		TED-90-004	Acceptable
B03.090.001	Core Flood Nozzle W-Axis WR-54/55 MK-176 to 169 B&W 154622E 154618E Rescans 87/1, 2	B6.1.1 A-D 1, 3, 4	47/1, 2, 3, 4, 5, 6, 7, 8 58/4, 5 59/1, 2	X		TED-90-005	Acceptable
B03.090.002	Core Flood Nozzle Y Axis MK 176 to 169 B&W 154622E 154618E Rescans 74/20 77/2 93/1 (RF Sizing) 95/1 (RF Sizing)	B7.1.1 A-D 1, 3, 4	48/1, 2, 3, 4, 5, 6, 7, 8, 62/1, 2, 3 63/1	X		TED-90-006	Acceptable
B03.090.003	Inlet Nozzle W/X Axis WR-10/12 MK-182 TO 169	B8.1.1 A-F 3, 4	64/3, 4, 5, 6, 7, 8 53/1, 2, 3, 4, 5, 6	X		TED-90-007	Acceptable

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B03.090.003 (continued)	B&W 154620E Rescan B8.1.1: 77/3	B8.1.2 A-B 3, 4 B8.2.1 A 2, 3	53/7, 9 64/9, 10 5/1 15/3, 4				
B03.090.004	Inlet Nozzle X/Y Axis WR-10/12 MK-182 to 169 B&W 154620E	B9.1.1 A-F 3, 4 B9.1.2 A-B 3, 4 B9.2.1 A 2, 3	52/4, 6, 7 8, 9, 10 64/11, 12, 13, 14, 15, 16 52/2, 3 64/17, 18 14/2 4/13 14/4		X	n/a	n/a
B03.090.005	Inlet Nozzle Y/Z Axis WR-10/12 MK-182 to 169 B&W 154620E	B10.1.1 A-F 3, 4 B10.1.2 A-B 3, 4	51/3, 4, 6, 7, 8, 9 64/19, 20, 21, 22, 23, 24 51/10, 11 64/25 65/1		X	n/a	n/a

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B03.090.005 (continued)		B10.2.1 A 2, 3	12/7 8/2				
B03.090.006	Inlet Nozzle Z/W-Axis WR-10/12 MK-182 to 169 B&W 154620E	B11.1.1 A-F 3, 4	54/3, 4, 5, 6, 7, 8 65/2, 3, 4, 5, 6, 7	X		TED-90-008	Acceptable
		B11.1.2 A-B 3, 4	65/8 54/9 65/9, 10				
		B11.2.1 A 2, 3	10/2 3/1 11/1				
B03.090.007	Outlet Nozzle X-Axis WR-13/14/72 MK-168 to 169 B&W 154619E	B12.1.1 A-H 3, 4	50/1, 2, 3, 4, 5, 6, 7, 8 66/3, 4, 5, 6, 7, 8, 9, 10	X		TED-90-006	Acceptable
B03.090.008 does not exist	Rescan B12.1.1: 90/7, 29, 30	B12.2.1 A 2, 3	61/1 17/5 61/2				
B03.090.009	Outlet Nozzle Z-Axis WR-13/14/72 MK-168 to 169 B&W 154619E	B13.1.1 A-H 3, 4	50/9, 10, 11, 12, 13, 14, 15, 16 66/11, 12, 13, 14, 15, 16, 17, 18	X		TED-90-010	Acceptable

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B03.090.009 (continued)		B13.2.1 A 2, 3	60/10 60/11				
B03.100.001	Core Flood Nozzle Inside Radius W-Axis MK-176 B&W 154618E	B6.1.1 A-D 1, 3, 4	58/4, 5 59/1, 2 47/1, 2, 3, 4, 5, 6, 7, 8		X	n/a	n/a
B03.100.002	Core Flood Nozzle Inside Radius Y-Axis MK-176 B&W 154618E	B7.1.1 A-D 1, 3, 4	62/1, 2, 3 63/1 48/1, 2, 3, 4, 5, 6, 7, 8		X	n/a	n/a
B03.100.003	Inlet Nozzle Inside Radius W/X-Axis MK-182 B&W 154620E	B8.2.1 A 2, 3	15/3, 4 5/1 14/4		X	n/a	n/a
B03.100.004	Inlet Nozzle Inside Radius X/Y-Axis MK-182 B&W 154620E	B9.2.1 A 2, 3	14/2, 4 4/13		X	n/a	n/a
B03.100.005	Inlet Nozzle Inside Radius Y/Z-Axis MK-182 B&W 154620E	B10.2.1 A 2, 3	12/7 8/2		X	n/a	n/a

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B03.100.006	Inlet Nozzle Inside Radius Z/W Axis MK-182 B&W 154620E	B11.2.1 A 2, 3	10/2 3/1 11/1		X	n/a	n/a
B03.100.007	Outlet Nozzle Inside Radius X-Axis MK-168 B&W 154619E	B12.2.1 A 2, 3	61/1, 2 17/5		X	n/a	n/a
B03.100.008	Outlet Nozzle Inside Radius Z-Axis MK-168 B&W 154619E	B13.2.1 A 2, 3	60/10, 11		X	n/a	n/a
B09.011.024	Reactor Coolant System Outlet Nozzle to Pipe Weld-111A X-Axis ISI-2308	B12.4.1 A 5	17/3		X	n/a	n/a
		B12.5.1 A 3	17/4				
B09.011.036	Reactor Coolant System Inlet Pipe to Nozzle Weld-056A X/Y Axis ISI-230B	B9.4.1 A 1	4/15		X	n/a	n/a
		B9.5.1 A 5	4/16				

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B09.011.046	Reactor Coolant System Inlet Pipe to Nozzle Weld-113A W/X Axis ISI-230B	B08.4.1 A 1	5/3		X	n/a	n/a
		B08.5.1 A 5	5/2				
B09.011.048	Reactor Coolant System Outlet Nozzle to Pipe Weld-111B Z Axis ISI-230B	B13.4.1 A 5	18/4		X	n/a	n/a
		B13.5.1 A 3	19/1				
B09.011.062	Reactor Coolant System Inlet Pipe to Nozzle Weld-056B Z/W-Axis ISI-230B	B11.4.1 A 1	3/3		X	n/a	n/a
		B11.5.1 A 5	3/2				
B09.011.070	Reactor Coolant System Inlet Pipe to Nozzle Weld-113B Y/Z-Axis ISI-230B	B10.4.1 A 1	2/5		X	n/a	n/a
		B10.5.1 A 5	2/4				

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER #	RESULTS
				YES	NO		
B05.010.001	Core Flood Nozzle to Safe-End Weld W-Axis MK-089 to 176 B&W 154618E	n/a*	80/1, 2, 3		X	n/a	n/a
B05.010.002	Core Flood Nozzle to Safe-End Weld Y-Axis MK-089 to 176 B&W 154618E	n/a*	80/4 81/1, 2		X	n/a	n/a

* Since both the core flood nozzle to safe-end welds were examined by manually scanning with the ARIS tool, no SIN, segment, or subscan numbers were generated.

3/2/00

FIGURE NO.	WELD DESCRIPTION	SIN SEGMENT SUBSCAN	DATA TAPE NO./ ENTRY NO.	REPORTABLE INDICATION		ER ↓	RESULTS
				YES	NO		
B05.010.001	Core Flood Nozzle to Safe-End Weld W-Axis MK-089 to 176 B&W 154618E	n/a*	80/1, 2, 3		X	n/a	n/a
B05.010.002	Core Flood Nozzle to Safe-End Weld Y-Axis MK-089 to 176 B&W 154618E	n/a*	80/4 81/1, 2		X	n/a	n/a

* Since both the core flood nozzle to safe-end welds were examined by manually scanning with the ARIS tool, no SIN, segment, or subscan numbers were generated.

SYSTEM PRESSURE TESTS

Attached is a complete historical listing of the ASME Section XI System Pressure Testing performed during the first Ten-Year Interval from November 21, 1977 to September 21, 1990 at the Davis-Besse Nuclear Power Station, Unit #1.

The testing and visual VT-2 examinations of the systems and subsystems completed from April 1980 to October 1980 were performed to the ASME Boiler and Pressure Vessel Code Section XI 1974 Edition through Summer 1975 Addenda, Rules for Inservice Inspection of Nuclear Power Plant Components.

The testing and visual VT-2 examinations of the systems and subsystems completed during outages (March 1982 to September 1982) (July 1983 to September 1983) (September 1984 to January 1985) (April 1986 to January 1987), (March 1988 to December 1988), and (Sixth Operating Cycle and Sixth Refueling Outage) were performed to Drawing 12501-M-655, System Pressure Test Program as submitted and approved by the NRC as Part IV of Toledo Edison's ISI submittal. All tests completed during the Sixth Operating Cycle and Sixth Refueling Outage were witnessed and/or verified by the ANII.

The historical listings of pressure testing exceptions to ASME Section XI are indicated on the appropriate test package.

The NIS-1 Data Report, under Tab 2 for pressure testing, only certifies the pressure tests performed between December, 1988, and July, 1990, as witnessed and/or verified by M. Ferguson, ANII. These tests were performed in accordance with ASME Section XI, with the exception of the submitted relief requests.

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

April/October 1980 - (1974/1975 ASME XI Code)

Auxiliary Feedwater System

AFW Pump 1-1 and 1-2 Suction Piping Hydrotest per MP 1401.31 (June 24, 1980). (ANII not required).

AFW Pump 1-1 and 1-2 Service Water Supply Piping Hydrotest per MP 1401.31 (May 22, 1980, May 23, 1980). (ANII not required).

AFW Pump 1-1 and 1-2 Bearing and Seal Cooling Lines Hydrotest per MP 1401.31 (May 27, 1980). (ANII not required).

Component Cooling Water

CCW Train #2: Return Line, Essential Line, CCW Pump 1-2 Suction and Discharge Lines Hydrotest per MP 1401.29 (May 31, 1980, retest for leakage repairs (June 6, 1980). (ANII not required).

CCW Train #3: CCW Pump 1-3 Suction and Discharge Lines Hydrotest per MP 1401.29 (May 20, 1980). (ANII not required).

Penetration #12 Hydrotest per MP 1401.29 (June 14, 1980). (Witnessed by B. Pfeiffer, ANII).

Demineralized and Primary Water Makeup to CCW Surge Tank Static Test per MP 1401.29 (May 20, 1980). (ANII not required).

CCW Containment Header Hydrotest per MP 1401.29 (June 14, 1980). (Witnessed by B. Pfeiffer, ANII).

CCW Surge Tank Hydrotest per MP 1401.29 (May 22, 1980). (ANII not required).

Containment Spray

CS Pump 1-1 and 1-2 Suction and Discharge Piping to Containment Isolation Valves Hydrotest per MP 1401.30 (June 18, 1980; June 17, 1980). (Witnessed by B. Pfeiffer, ANII).

Reactor Coolant System

Leakage Test per ST 5042.02 and Instrumentation Nozzle Welds and CRD Housing J Groove Welds per ISI 350, Revision 11.

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

March/September 1982 - (1977/1978 ASME XI Code)

Auxiliary Feedwater System

AFP 1-1 and 1-2 Discharge Piping Functional Test per ST 5066.00 (Enclosure 3) (August 21, 1982). (Witnessed by B. Pfeiffer, ANII).

Component Cooling Water

CCW Train #1 - Return Line, Essential Line, CCW Pump 1-1 Suction and Discharge Lines Hydrotest per MP 1401.29 (April 19, 1982). (Witnessed by T. Sanford, ANII).

CCW Non-Essential Header Hydrotest per MP 1401.29 (March 22, 1982). (Witnessed by B. Pfeiffer, ANII).

Containment Spray System

CS System Nozzle Flow Test per ST 5062.03 (June 4, 1982). (ANII not required).

Containment Ventilation

Hydrogen Dilution Blower 1-1 and 1-2 Discharge to CV 5090 and CV 5065 Hydrotests per ST 5066.00 (Enclosure 14) (June 15, 1982; July 20, 1982). (Witnessed by T. Sanford, ANII).

Hydrogen Dilution System Exhaust Pneumatic (Hydrotest) per ST 5066.00 (Enclosure 20) (July 20, 1982). (Witnessed by T. Sanford, ANII).

Hydrogen Dilution Supply Penetrations 67 and 69 Pneumatic (Hydrotests) per ST 5066.00 (Enclosure 17) (July 30, 1982). (Witnessed by T. Sanford, ANII).

Containment Purge Penetrations 33 and 34 Pneumatic (Hydrotests) per ST 5066.00 (Enclosure 19) (June 16-June 18, 1982). (Witnessed by T. Sanford, ANII).

Decay Heat

Refueling Canal Fill and Drain Line Penetration 49 Hydrotest per ST 5066.00 (Enclosure 22) (April 16, 1982). (Witnessed by T. Sanford, ANII).

RCS to DH Isolation and Bypass Lines Pressure Test per MP 1401.43 (June 3-4 1982) (Class 1). (Witnessed by T. Sanford, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

March/September 1982 (continued)

Decay Heat (continued)

ECCS Suction from BWST Inservice Pressure Test per ST 5066.00 (Enclosure 6) (July 19, 1982). (Witnessed by T. Sanford, ANII).

Decay Heat Suction from RCS and Discharge of Pump 1-1 and 1-2 Inservice Pressure Test per ST 5066.00 (Enclosure 7) (August 14, 1982). (Witnessed by B. Pfeiffer, ANII).

Station Drainage

Station Drain from CTMT Normal Sump Penetration 13 Hydrotest per ST 5066.00 (Enclosure 15) (May 19, 1982). (Witnessed by B. Pfeiffer, ANII).

Demineralized Water

Makeup Water Treatment Penetration 21 Inservice Pressure Test per ST 5066.00 (Enclosure 28) (May 19, 1982). (Witnessed by B. Pfeiffer, ANII).

High Pressure Injection

HPI Pumps 1-1 and 1-2 Suction and Discharge Piping Functional Test per ST 5066.00 (Enclosure 8) (August 7-9, 1982). (Witnessed by B. Pfeiffer, ANII).

Mainsteam

Mainsteam to Auxiliary Feed Pump Turbine 1-1 and 1-2 Functional Test per ST 5066.00 (Enclosure 1) (August 21, 1982). (Witnessed by B. Pfeiffer, ANII).

OTSG 1-1 and 1-2 Secondary and Mainsteam Lines reduced Hydrotest per ST 5066.00 (Enclosure 2) (August 23, 1982). The purpose of reduced hydrotest is for testing the APW Ring with the secondary. (Witnessed by B. Pfeiffer, ANII).

Steam Generator Secondary Cleaning Penetration 59 Pneumatic (Hydrotest) per ST 5066.00 (Enclosure 23) (July 1, 1982). (Witnessed by B. Pfeiffer, ANII).

Makeup and Purification

Makeup Suction from BWST Inservice Pressure Test per ST 5066.00 (Enclosure 5) (July 20, 1982). (Witnessed by T. Sanford, ANII).

Make-up Injection through HPI Line Penetration 19 and Makeup Return Penetration 14 Inservice Pressure Test per ST 5066.00 (Enclosure 5) (August 20, 1982). (Witnessed by B. Pfeiffer, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

March/September 1982 (continued)

Reactor Coolant System

Leakage Test per ST 5066.00 (Enclosure 4) (August 21, 1982). (Witnessed by B. Pfeiffer, ANII).

Containment Vessel Equipment Vent Header Penetration 16 Hydrotest per ST 5066.00 (Enclosure 24) (August 2, 1982). (Witnessed by T. Sanford, ANII).

Reactor Coolant Drain to Drain Tank Penetration 32 Pneumatic Pressure Test per ST 5066.00 (Enclosure 25) (May 14, 1982). (Witnessed by T. Sanford, ANII).

Pressurizer Quench Tank Circulating Inlet Line Penetration 41 Pneumatic Pressure Test per ST 5066.00 (Enclosure 27) (July 30, 1982). (Witnessed by T. Sanford, ANII).

Reactor Coolant Quench Tank Circulation Outlet Line Penetration 48 Pneumatic Pressure Test per ST 5066.00 (Enclosure 26) (May 14, 1982). (Witnessed by T. Sanford, ANII).

Station Air

SA to CTMT Penetration 42A Pressure Test per ST 5066.00 (Enclosure 16) (July 22, 1982). (Witnessed by T. Sanford, ANII).

Spent Fuel Pool Cooling

Spent Fuel Pool Cooling Inservice Test per ST 5066.00 (Enclosure 10) (May 19, 1982). (Witnessed by B. Pfeiffer, ANII).

Spent Fuel Transfer Tube 1-1 Hydrotest per MP 1401.44 (June 29, 1982). (Witnessed by T. Sanford, ANII).

Spent Fuel Transfer Tube 1-2 Hydrotest per MP 1401.44 (June 30, 1982). (Witnessed by B. Pfeiffer, ANII).

Service Water

Entire Service Water System Inservice Test per ST 5066.00 (Enclosure 12) (May 27, 1982). (Witnessed by T. Sanford, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

July/September 1983

Auxiliary Feedwater System

AFW Pumps 1-1 and 1-2 Suction Piping and Service Water Supply Piping Functional Test per ST 5066.00 (Enclosure 3) (July 28, 1983). (Witnessed by T. Sanford, ANII).

Component Cooling Water System

The entire CCW System Inservice Test per ST 5066.00 (Enclosure 11) (August 1-2 1983). (Witnessed by T. Sanford, ANII).

Containment Spray System

CS Pump 1-1 and 1-2 Discharge and Suction Piping Functional Test per ST 5066.00 (Enclosure 9) (July 18, 1983; July 28, 1983). (Witnessed by T. Sanford, ANII).

Containment Ventilation

Hydrogen and Airborne Radiation Sample Line Penetration 42B Pneumatic (Hydrotest) per ST 5066.00 (Enclosure 17) (September 1, 1983). (Witnessed by T. Sanford, ANII).

Hydrogen and Airborne Radiation Sample Line Penetration 43B Pneumatic (Hydrotest) per ST 5066.00 (Enclosure 17) (August 19, 1983). (Witnessed by B. Pfeiffer, ANII).

CTMT Vessel Leak Test Penetration 17 Pneumatic (Hydrotest) per ST 5066.00 (Enclosure 27) (August 15, 1983). (Witnessed by T. Sanford, ANII).

Decay Heat

ECCS Suction from BWST Inservice Pressure Test per ST 5066.00 (Enclosure 6) (July 15, 1983). (Witnessed by T. Sanford, ANII).

RCS to DH Isolation and Bypass Lines Pressure Test per MP 1401.43 (Class 1) (August 8, 1983; August 25, 1983). (Witnessed by T. Sanford, ANII).

DH Suction from RCS and Discharge Pumps 1-1 and 1-2 Functional Test per ST 5066.00 (Enclosure 7) (September 20, 1983). (Witnessed by T. Sanford, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

July/September 1983 (continued)

High Pressure Injection

HPI Pumps 1-1 and 1-2 Suction and Discharge Piping Functional Test per ST 5066.00 (Enclosure 8) (July 14, 1983; July 18, 1983; September 24, 1983). (Witnessed by T. Sanford, ANII).

Mainsteam

Mainsteam to Auxiliary Feed Pump Turbines 1-1 and 1-2 Functional Test per ST 5066.00 (Enclosure 1) (July 25, 1983). (Witnessed by T. Sanford, ANII).

Steam Generators 1-1 and 1-2 Secondary and Mainsteam Lines Inservice Pressure Test per ST 5066.00 (Enclosure 2) (September 24, 1983). (Witnessed by T. Sanford, ANII).

Steam Generator Secondary Cleaning Penetration 59 Pneumatic Hydrotest per ST 5066.00 (Enclosure 21) (August 22, 1983). (Witnessed by T. Sanford, ANII).

Reactor Coolant System

Leakage Test per ST 5066.00 (Enclosure 4) (September 24, 1983). (Witnessed by T. Sanford, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

September 1984/January 1985

Auxiliary Feedwater System

AFW Pump 1-1 Discharge Piping Functional Test per ST 5066.00 (Enclosure 3)
(August 15, 1984). (Witnessed by T. Sanford, ANII).

AFW Pump 1-7 Discharge Piping Functional Test per ST 5066.00 (Enclosure 3)
(August 29, 1984). (Witnessed by B. Pfeiffer, ANII).

Containment Ventilation

Hydrogen Dilution Blowers 1-1 and 1-2 Discharge Piping to CTMT Isolation Valve
Functional Test per ST 5066.00 (Enclosure 13) (January 3-4, 1985). (Witnessed
by T. Sanford, ANII).

Hydrogen Dilution Supply Penetration 67 Functional Test per ST 5066.00
(Enclosure 16) (September 28, 1984). (Witnessed by T. Sanford, ANII).

Hydrogen Dilution Supply Penetration 69 Functional Test per ST 5066.00
(Enclosure 16) (November 27, 1984). (Witnessed by B. Pfeiffer, ANII).

Decay Heat

RCS to DH Isolation and Bypass Lines Hydrotest per ST 5066.01 (Class 1)
(December 15, 1984). (Witnessed by T. Sanford, ANII).

Pressurizer Spray Line Leakage Test per ST 5066.01 (Enclosure 7) (December 28,
1984). (Witnessed by T. Sanford, ANII).

Demineralized Water

Makeup Water Treatment Penetration 21 Functional Test per ST 5066.00
(Enclosure 26) (September 28, 1984). (Witnessed by T. Sanford, ANII).

Makeup and Purification

Makeup Injection through HPI Penetration 19 and Makeup Return Penetration 14
Inservice Pressure Test per ST 5066.00 (Enclosure 5) (January 10, 1985).
(Witnessed by T. Sanford, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

September 1984/January 1985 (continued)

Reactor Coolant System

Leakage Test per ST 5066.00 (Enclosure 4) (January 10, 1985). (Witnessed by T. Sanford, ANII).

Containment Vessel Equipment Vent Header Penetration 16 Functional Test per ST 5066.00 (Enclosure 22) (September 25, 1984). (Witnessed by T. Sanford, ANII).

Reactor Coolant Drain to Drain Tank Penetration 32 Pneumatic Functional Test per ST 5066.00 (Enclosure 23) (September 28, 1984). (Witnessed by T. Sanford, ANII).

Pressurizer Quench Tank Circulating Inlet Line Penetration 41 Functional/Hydrotest per ST 5066.00 (Enclosure 25) - FCR/MWO 2-79-0295-03 (September 19, 1984; October 9, 1984). (Witnessed by T. Sanford, ANII).

RC Quench Tank Circulation Outlet Line Penetration 48 Functional Test per ST 5066.00 (Enclosure 24) (September 19, 1984). (Witnessed by T. Sanford, ANII).

Station Air

SA to CTMT Penetration 42A Inservice Pressure Test per ST 5066.00 (Enclosure 15) (September 28, 1984). (Witnessed by T. Sanford, ANII).

Spent Fuel Pool Cooling

SFP Cooling Inservice Test per ST 5066.00 (Enclosure 10) (September 13, 1984). (Witnessed by T. Sanford, ANII).

Service Water

Entire Service Water System per ST 5066.00 (Enclosure 12) (August 24, 1984; September 21, 1984; January 10, 1985). (Witnessed by T. Sanford, B. Pfeiffer, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

April 1986/January 1987

Auxiliary Feedwater System

AFP 1-1 and 1-2 Suction and Discharge Lines IIT Hydrotest per TP 850.80 (April 17-19, 1986; July 31, 1986). (Verified by R. Hogstrom, ANII).

Component Cooling Water

CCW Pump 1-1/Train 1, Pump 1-2/Train 2, Pump 1-3 IIT Hydrotest per TP 851.29 (June 13, 1986). (Verified by R. Hogstrom, ANII).

Coreflood

CF28, to CF30, CF47, DH76 IIT Hydrotest per TP 850.85 (December 8, 1986). (Verified by R. Hogstrom, ANII).

CF29 to CF31, DH77, CF39 IIT Hydrotest per TP 850.85 December 10, 1986). (Verified by R. Hogstrom, ANII).

Decay Heat

DH76 to DH1A (Penetration 27) and DH77 to DH1B (Penetration 28) IIT Hydrotest per TP 850.85 (December 9-10, 1986). (Verified by R. Hogstrom, ANII).

High Pressure Injection

HPI Pump 1-1 and 1-2 Suction Piping IIT Hydrotest per TP 851.16 (March 21, 1986). (Verified by R. Hogstrom, ANII).

HPI Pumps 1-1 and 1-2 Discharge Piping IIT Hydrotest per TP 851.37 (May 14-16, 1986). (Verified by R. Hogstrom, ANII).

Mainsteam

AFW Pump 1-1 and 1-2 Turbine Steam Supply Lines (FCR 85-0143) IIT Hydrotest per TP 850.81 (April 9, 1986; November 24, 1986; January 6, 1987). (Verified by R. Hogstrom, ANII).

OTSGs 1-1 and 1-2 Secondary and Mainsteam Lines Inservice Pressure Test per ST 5066.00 (Enclosure 2) (December 14, 1986).

Reactor Coolant System

RCS Leakage Test per ST 5066.00 (Enclosure 4) (December 15, 1986). (Witnessed by R. Hogstrom, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

March 1988/December 1988

Auxiliary Feedwater System

AFW Pump 1-1 Discharge Piping IIT Hydrotest per DB-PF-03944 (September 30, 1988). (Witnessed by R. Hogstrom, ANII).

AFW Pump 1-2 Discharge Piping IIT Hydrotest per DB-PF-03946 (October 3, 1988). (Witnessed by R. Hogstrom, ANII).

Containment Spray System

Containment Spray Nozzle Flow test per DB-SP-03304 and DB-SP-03305 (October 4, 1988). (ANII not required).

Decay Heat System

Decay Heat Train 1-1 Discharge Piping IIT Hydrotest per DB-PF-03926 (April 15, 1988). (Witnessed by R. Hogstrom, ANII).

Decay Heat Train 1-2 Discharge Piping IIT Hydrotest per DB-PF-03928 (June 13, 1988). (Witnessed by R. Hogstrom, ANII).

Decay Heat Suction Piping from RCS IIT Hydrotest per DB-PF-03927 (June 14, 1988). (Witnessed by R. Hogstrom, ANII).

Decay Heat Isolation Line and Bypass Line per ST 5066.01 (October 7, 1988). (Witnessed by R. Hogstrom, ANII).

Makeup and Purification System

Makeup and Purification System Hydrotest per DB-PF-10076 (July 6, 1988 to August 31, 1988). (Witnessed by R. Hogstrom, ANII).

Service Water System

Service Water Train 1 IIT Hydrotest per DB-PF-03900 (April 14, 1988). (Witnessed by R. Hogstrom, ANII).

Service Water Train 2 IIT Hydrotest per DB-PF-03901 (June 24, 1988). (Witnessed by R. Hogstrom, ANII).

Service Water Return Header IIT Hydrotest per DB-PF-03902 (June 16, 1988). (Witnessed by R. Hogstrom, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

March 1988/December 1988 (continued)

Reactor Coolant System

Reactor Coolant System Leak Test per ST 5066.00, (November 26, 1988).
(Witnessed by R. Hogstrom, ANII).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RFO)

Auxiliary Feedwater System

Minimum Flow Recirculation Line Auxiliary Feedwater Train 1 Hydrotest per DB-PF-03065 (AF-1 partial) (April 23, 1990).

Minimum Flow Recirculation Line Auxiliary Feedwater Train 2 Hydrotest per DB-PF-03065 (AF-2 partial) (April 19, 1990).

Auxiliary Feedwater Pumps 1-1 and 1-2 Suction Piping Hydrotest per DB-PF-03065 (AF-3 and AF-4) (May 4, 1990).

Valve A7599 Replacement (MWO 2-87-1198-13) Hydrotest per DB-PF-03065 (May 18, 1990).

Valve AF608 Replacement (MWO 2-87-1198-12) Hydrotest per DB-PF-03065 (May 18, 1990).

Component Cooling Water

CCW to Non-Essential Header from CC1495 to CC42 Hydrotest per DB-PF-03065 (CC-5 partial) (February 3, 1990).

CCW to Control Rod Drive Cooling Penetration 12 Hydrotest per DB-PF-03065 (CC-6) (February 5, 1990).

CCW from Control Rod Cooling (CC627 to CC108) Hydrotest per DB-PF-03065 (CC-7 partial) (February 6, 1990).

CCW from MOV CC5097 to CC530 Hydrotest per DB-PF-03065 (CC-7 partial) (April 4, 1990).

CW to RCP 1-2-1 and 1-2-2 Hydrotest per DB-PF-03065 (CC-9) (April 24, 1990); and DB-PF-03065 (CC-9 partial) (April 26, 1990).

CCW to RCP 1-1-1 and 1-1-2 Hydrotest per DB-PF-03065 (CC-8) (April 24, 1990).

CCW return from Containment Header to CCW Line 1 and Line 2 per DB-PF-03065 (CC-7 partial) (March 16, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RFO) (continued)

Component Cooling Water

Repair & Replacement Hydrotest for MWO 2-87-1315-11 per DB-PF-03065 (CC-4 partial) (April 26, 1990).

CCW Containment Header Hydrotest per DB-PF-03065 (CC-5, CC-7 partials) (March 27, 1990).

Core Flooding

Core Flood Vents to Waste Gas Penetration 47B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CF-1) (February 13, 1990).

Core Flood HPI Fill and Nitrogen Supply Line Penetration 44A Hydrotest per DB-PF-03065 (CF-2) (April 11, 1990).

Core Flood HPI Fill and Nitrogen Supply Line to CFT 1-1 Penetration 71C Hydrotest per DB-PF-03065 (CF-4) (April 12, 1990).

Core Flood HPI Full Line to CFT 1-1 from CF16 to CF103 Hydrotest per DB-PF-03065 (CF-4 partial) (June 7, 1990).

Common CFT Bleedline Penetration 47A Hydrotest per DB-PF-03065 (CF-3) (February 12, 1990).

CFT 1-1 Supply to Reactor Vessel Inservice Leakage Test in lieu of Hydrotest per submitted Relief Request (Docket Number 50-346, Serial Number 1787) per DB-PF-03065 (CF-5 partial) (June 18, 1990).

CFT 1-2 Supply to Reactor Vessel Inservice Leakage Test in lieu of Hydrotest per submitted Relief Request (Docket Number 50-346, Serial Number 1787) per DB-PF-03065 (CF-6 partial) (June 18, 1990).

CFT 1-1 to RCS ASME Class 1 Piping Hydrotest per DB-PF-03065 and DB-PF-10103 (CF-5 partial) (June 19, 1990).

CFT 1-2 to RCS ASME Class 1 Piping Hydrotest per DB-PF-03065 and DB-PF-10103 (CF-6 partial) (June 18, 1990).

Containment Spray

CS Pump 1-1 Discharge Piping from Discharge Isolation Valve to CTMT Isolation Valve Hydrotest per DB-PF-03065 (CS-1) (February 22, 1990).

CS Pump 1-2 Discharge Piping from Discharge Isolation Valve to CTMT Isolation Valve Hydrotest per DB-PF-03065 (CS-2) (February 26, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RF0) (continued)

Containment Ventilation

Hydrogen Dilution Supply Penetration 69 Pneumatic (Hydrostatic) Pressure Test per DB-PF-03065 (CV-2A) (February 9, 1990).

Hydrogen Dilution Supply Penetration 67 Pneumatic (Hydrostatic) Pressure Test per DB-PF-03065 (CV-1A) (February 9, 1990).

CTMT Hydrogen Analyzer Suction Penetration 74B Pneumatic (Hydrostatic) Pressure Test per DB-PF-03065 (CV-9) (February 20, 1990).

CTMT Hydrogen Analyzer #2 Discharge Penetration 42B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CV-8) (February 9, 1990).

CTMT Hydrogen Analyzer #1 Discharge Penetration 43B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CV-6) (February 10, 1990).

CTMT Hydrogen Analyzer #2 Sample Inlet Penetration 71B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CV-10) (February 10, 1990).

CTMT Hydrogen Analyzer #1 Sample Inlet Penetration 73B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CV-11) (February 16, 1990).

CTMT Hydrogen Analyzer Sample Inlet Penetration 68B Pneumatic (Hydrostatic) Test per DB-PF-03065 (CV-12) (February 24, 1990).

CTMT Hydrogen Purge System Pneumatic Test (Hydrotest) per DB-PF-03065 (CV-4) (April 13, 1990).

CTMT Vessel Leak Test Penetration 17 Pneumatic (Hydrotest) per DB-PF-03065 (CV-7) (February 17, 1990).

Hydrogen Dilution Blower 1-1 Discharge & Suction Functional Test per DB-PF-03065 (CV-1) (November 10, 1989).

Hydrogen Dilution Blower 1-2 Discharge & Suction Functional Test per DB-PF-03065 (CV-2) (October 3, 1989).

Containment Purge Penetration 33 Pneumatic (Hydrotest) per DB-PF-03065 (CV-3) (March 7, 1990). A relief request has been submitted. (Docket Number 50-346, Serial Number 1855).

Containment Purge Penetration 34 Pneumatic (Hydrotest) per DB-PF-03065 (CV-5) (March 8, 1990). A relief request has been submitted. (Docket Number 50-346, Number 1855).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RF0) (continued)

Decay Heat

Refueling Canal Fill and Drain Line Penetration 49 Functional Pressure Test per DB-PF-03065 (DH-3) (February 16, 1990).

DH Pump 1-1 Post-Accident Sample Lines Hydrotest per DB-PF-03065 (DH-1A) (March 17, 1990).

DH Pump 1-2 Post Accident Sample Lines Hydrotest per DB-PF-03065 (DH-2A) (March 13, 1990).

Auxiliary Pressurizer Spray Line from DH178 through Penetration 74C to DH2735. Hydrotest per DB-PF-03065 (PL-1 partial) (March 5, 1990).

Decay Heat to Spent Fuel Pool, open-ended pipe from valve DH69 to Spent Fuel Pool. Verification of unimpaired flow in lieu of Hydrotest per IWC-5223 (c) per DB-PF-03065 (April 26, 1990).

BWST Recirculation Lines from Decay Heat Hydrotest per DB-PF-03065 (DH-9 partial) (May 21, 1990).

RCS to Decay Heat Suction and Bypass Hydrotest per DB-PF-03065 (DH-6 and DH-7) (March 10, 1990).

Decay Heat Train 1 Functional Test per DB-PF-03065 (April 12, 1990).

Auxiliary Spray Line ASME Class 1 Piping Hydrotest per DB-PF-03065 and DB-PF-10103 (PL-1 partial) (June 18, 1990).

BWST Supply to ECCS Pumps Suction Hydrotest per DB-PF-03065 (CS-3, CS-4, DH-4A, DH-5A) (March 23, 1990). (Relief request to be submitted for piping and components enclosed by CTMT Emergency Sump Recirculation Guardpipe). (Docket Number 50-346, Serial Number 1855).

Station Drainage

Station Drainage from CTMT Normal Sump Penetration 13 Hydrotest per DB-PF-03065 (DR-1) (February 14, 1990).

Demineralized Water

Makeup Water Treatment Penetration 21 Hydrotest per DB-PF-03065 (DW-1) (February 24, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RFO) (continued)

High Pressure Injection

High Pressure Injection/Makeup Injection Penetration 50 Hydrotest per DB-PF-03065 (HP-1B) (February 24, 1990).

High Pressure Injection Train 1 Discharge Hydrotest per DB-PF-03065 (HP-1) (March 2, 1990).

High Pressure Injection CTMT Penetration 22 Hydrotest per DB-PF-03065 (HP-1A) (February 6, 1990).

High Pressure Injection/Normal Makeup CTMT Penetration 20 Hydrotest per DB-PF-03065 (HP-2A) (April 20, 1990).

The Class 1 Welds between HPI Back-to-Back Check Valves HP59/HP57, HP58/HP56, HP50/HP48, and HP51/HP49 were pressurized and inspected per DB-PF-10103 (June 18-19, 1990).

Instrument Air

Instrument Air to CTMT Penetration 43A Pneumatic (Hydrostatic) Pressure Test per DB-PF-03065 (IA-1) (March 5, 1990).

Mainsteam

Steam Generator Secondary Cleaning Penetration 59 Pneumatic (Hydrostatic) Test per DB-PF-03065 (MS-1) (February 1, 1990).

Mainsteam Line 1 from MS875 to blank at AVV per DB-PF-03065 (MS-2 partial) (April 16, 1990).

Mainsteam Line 2 from MS876 to Blank at AVV per DB-PF-03065 (MS-3 partial) (April 16, 1990).

Steam Generator 1-1 and Mainsteam Lines Hydrotest per DB-PF-10100 (MS-2) (May 25, 1990).

Steam Generator 1-2 and Mainsteam Lines Hydrotest per DB-PF-10101 (MS-3) (May 27, 1990).

Makeup and Purification

Seal Injection Inlet Spool piece to RCP 2-2 Hydrotest per DB-PF-03065 (MU-4 partial) (April 15, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RF0) (continued)

Makeup and Purification (continued)

Seal Injection Inlet Spool piece to RCPs 1-1 and 1-2 Hydrotest per DB-PF-03065 (MU-2 partial and MU-3 partial) (April 10, 1990).

Seal Injection to RCP 1-2 Penetration 52 Hydrotest per DB-PF-03065 (MU-5) (March 30, 1990).

Makeup Return from Letdown Coolers CTMT Penetration 14 Hydrotest per DB-PF-03065 (MU-1) (February 23, 1990).

Seal Injection to RCP 1-1-2 Penetration 55 Hydrotest per DB-PF-03065 (MU-2) (March 28, 1990).

Seal Injection to RCP 1-1-1 Penetration 54 Hydrotest per DB-PF-03065 (MU-3 partial) (March 28, 1990).

Seal Injection to RCP 1-2-2 Penetration 53 Hydrotest per DB-PF-03065 (MU-4 partial) (March 30, 1990).

High Pressure Injection CTMT Penetration 19 Hydrotest per DB-PF-03065 (MU-7) (April 21, 1990).

Nitrogen

Nitrogen to CTMT supply Penetration 44B Pneumatic (Hydrostatic) Test per DB-PF-03065 (NN-1) (February 13, 1990).

Reactor Coolant

Reactor Coolant Sample Line Penetration #1 Hydrotest per DB-PF-03065 (RC-1 partial) (February 17, 1990).

Sample Line from Pressurizer Quench Tank Penetration 68A Pneumatic (Hydrotest) per DB-PF-03065 (RC-2) (February 2, 1990).

Containment Vessel Equipment Vent Header Penetration 16 Pneumatic (Hydrostatic) Pressure Test per DB-PF-03065 (RC-3) (February 15, 1990).

Pressurizer Quench Tank Circulating Inlet Line Penetration 41 Hydrotest per DB-PF-03065 (RC-6) (February 8, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RF0) (continued)

Reactor Coolant Drain to Drain Tank Penetration 32 Hydrotest and VT-2 Examination of accessible pipe per DB-PF-03065 (RC-4) (March 7, 1990). Pressure Drop Test for buried portion of pipe.

Reactor Coolant System Hydrotest per DB-PF-10103 (RC-1) (June 18-19, 1990). Class 1 Piping in the Decay Heat Valve Pit inspected per relief request (Docket Number 50-346 Serial Number 1830).

RC Quench Tank Circulation Outlet Line Penetration 48 Hydrotest and VT-2 Examination of accessible pipe per DB-PF-03065 (RC-5) (March 7, 1990). Pressure Drop Test for buried portion of pipe.

Class 1 Piping from Valve RC11 to RC2A (MWO 1-90-1368-03 for FW RC11B and FW RC11A) Hydrotest per DB-PF-03065 (June 29, 1990).

ECCS Sump Pumps

ECCS Sump Pump P89-1A/1B Inservice Test per DB-PF-03065 (April 26, 1990).

ECCS Sump Pump P89-2A/2B Inservice Test per DB-PF-03065 (April 26, 1990).

ECCS Sump Pump P89-3A/3B Inservice Test per DB-PF-03065 (April 26, 1990).

Station Air

Station Air supply to CTMT Penetration 42A Pneumatic (Hydrostatic) Test per DB-PF-03065 (SA-1) (February 2, 1990).

Station Air Supply to test CS Nozzles Pneumatic (Hydrostatic) Test per DB-PF-03065 (AT-1A) (November 15, 1989).

Station Air Supply to test CS Nozzles Pneumatic (Hydrostatic) Test per DB-PF-03065 (AT-2A) (November 15, 1989).

Spent Fuel Pool Cooling

Spent Fuel Transfer Tube 1-2 Functional Test per DB-PF-03065 (SF-1B) (May 11, 1990).

Spent Fuel Pool Cooling Hydrotest per DB-PF-03065 (SF-1) (January 30, 1990).

Spent Fuel Transfer Tube 1-1 Functional per DB-PF-03065 (SF-1A) (May 11, 1990).

Spent Fuel Cooling Discharge to SFP Flow Test per DB-PF-03065 (April 27, 1990).

REPORT OF SYSTEM PRESSURE TESTING
FOR DAVIS-BESSE UNIT #1

January/July 1990 (6RF0) (continued)

Service Water

Service Water Pump 1-1 (P3-1) to Discharge Check Valve Inservice Test per DB-PF-03065 (SW-1 partial) (February 26, 1990).

Service Water Pump 1-2 (P3-2) to Discharge Check Valve Inservice Test per DB-PF-03065 (SW-2 partial) (February 26, 1990).

Service Water Pump 1-3 (P3-3) to Discharge Check Valve Inservice Test per DB-PF-03065 (SW-3 partial) (April 14, 1990).

Service Water Return from CCW H/X from SW1424 to R01497, and SW40. Hydrotest per DB-PF-03065 (SW-1 partial) (April 7, 1990).

Service Water Return from CCW H/X from Blank Flange installed at CCW H/X to Blank Flange installed at SW1424 Hydrotest per DB-PF-03065 (SW-1 partial) (April 7, 1990).