

SSER

Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

Ref. No.: 4-84-A-06/114, 184b, 184f, 184o, 184p

Characterization: It is alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by Tompkins-Beckwith (T-B) were not satisfactorily resolved by EBASCO Engineering.

Assessment of Allegation: In assessing this allegation, the NRC staff reviewed LP&L's Preliminary Safety Analysis Report (PSAR) and the Final Safety Analysis Report (FSAR), as well as the appropriate sections of the EBASCO contract documents. The staff found that design of piping systems is based on LP&L's commitment to the Winter 1972 Addenda in Section III of the ASME Code. Since welded attachments are not pressure-retaining components, the only Code requirement is that the attachments must be made of materials permitted by the applicable ASME Code section.

Code Class 1 welded attachments need be in conformance with material specifications in subsections NB-2121 and NB-4435 of the Code. Certified Material Test Reports (CMTRs) are required and are included in the piping documentation package.

Code Class 2 welded attachments need be in conformance with material specifications in Appendix I, Table I-7.0, of subsections NC-2190 and ND-2190 of the Code. CMTRs or Certificates of Compliance (C of Cs) are required and are included in the piping documentation package.

The NRC staff determined that either CMTRs or C of Cs for permanent attachment material were included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved and that the requirements of 10 CFR 50, Appendix B are met. In addition, these weld attachments were inspected by an Authorized Nuclear Inspector.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

References:EBASCO

May 26, 1983 Interoffice Correspondence W3QAIRG-0502  
May 12, 1983 Interoffice Correspondence W3QAIRG-0481  
May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
June 27, 1983 Interoffice Correspondence W3QAIRG-0588  
August 16, 1982 Interoffice Correspondence W3QASU-00022  
April 19, 1983 Handwritten Memo  
April 13, 1983 Interoffice Correspondence B2.1  
January 5, 1984 Memorandum ES-8486-84

NCR No. TB-296(W3-5974) (March 2, 1983 - February 17, 1984)

NCR No. W3-7494 (December 23, 1983 - January 11, 1984)

Contract W3-NY-11 Supplemental Work Order No. 180 (signed  
January 9, 1984)

Tompkins-Beckwith

TBP-49 (Rev. A, January 11, 1984) Material Control Procedure

LP&L

W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. Lenardson

\_\_\_\_\_ Date

Reviewed By:

Team Leader

\_\_\_\_\_ Date

Reviewed By:

Site Team Leader(s)

\_\_\_\_\_ Date

Approved By:

Task Management

\_\_\_\_\_ Date

Document Name:  
SSER X A-226

Requestor's ID:  
CONNIE

Author's Name:

Document Comments:  
A-306b, A-306f, A-306o, A-306p

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Requestor's ID:  
CONNIE

Author's Name:

Document Comments:  
A-306b, A-306f, A-306o, A-306p

*Final*

*X A-226*

FINAL SSER ROUTING

Revision :		0	1	2	3
✓	Denny Crutchfield	<i>mm</i> <i>1/29</i>			
✓	Jim Gagliardo	<i>1/29</i> <i>2/28</i>			

*A-306b*  
*A-306f*  
*A-306o*  
*A-306p*

SSER

Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

Ref. No.: 4-84-A-06/114, 184b, 184f, 184o, 184p

Characterization: It is alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by Tompkins-Beckwith (T-B) were not satisfactorily resolved by EBASCO Engineering.

Assessment of Allegation: In assessing this allegation, the NRC staff reviewed LP&L's Preliminary Safety Analysis Report (PSAR) and the Final Safety Analysis Report (FSAR), as well as the appropriate sections of the EBASCO contract documents. The staff found that design of piping systems is based on LP&L's commitment to the Winter 1972 Addenda in Section III of the ASME Code. Since welded attachments are not pressure-retaining components, the only Code requirement is that the attachments must be made of materials permitted by the applicable ASME Code section.

Code Class 1 welded attachments need be in conformance with material specifications in subsections NB-2121 and NB-4435 of the Code. Certified Material Test Reports (CMTRs) are required and are included in the piping documentation package.

Code Class 2 welded attachments need be in conformance with material specifications in Appendix I, Table I-7.0, of subsections NC-2190 and ND-2190 of the Code. CMTRs or Certificates of Compliance (C of C's) are required and are included in the piping documentation package.

The NRC staff determined that either CMTRs or C of C's for permanent attachment material were included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved. In addition, these weld attachments were inspected by an Authorized Nuclear Inspector.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

#### References

##### EBASCO

May 26, 1983 Interoffice Correspondence W3QAIRG-0502  
May 12, 1983 Interoffice Correspondence W3QAIRG-0481  
May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
June 27, 1983 Interoffice Correspondence W3QAIRG-0588  
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NCR No. TB-296(W3-5974) (March 2, 1983 - February 17, 1984)

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##### Tompkins-Beckwith

TBP-49 (Rev. A, January 11, 1984) Material Control Procedure

##### LP&L

W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. Lenardson

Date

Reviewed By:

Team Leader

Date

Reviewed By:

Site Team Leader(s)

Date

Approved By:

Task Management

Date

Document Name:  
SSER X A-226

Requestor's ID:  
JOHNNIE

Author's Name:

Document Comments:  
A-306b, A-306f, A-306o, A-306p



SSER

Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

Ref. No.: 4-84-A-06/114, 184b, 184f, 184o, 184p

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The NRC staff determined that either CMTRs or C of Cs for permanent attachment material were included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved. In addition, these weld attachments were inspected by an Authorized Nuclear Inspector.

This allegation has neither safety significance nor generic implications.

[ Potential Violations: None. ]

Actions Required: None.

References:

EBASCO

May 26, 1983 Interoffice Correspondence W3QAIRG-0502  
May 12, 1983 Interoffice Correspondence W3QAIRG-0481

May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
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W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. Lenardson

Date

Reviewed By:

Team Leader

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Task Management

Date

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Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

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The NRC staff determined that either CMTRs or C of C's for permanent attachment material were included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved. In addition, these weld attachments were inspected by an Authorized Nuclear Inspector.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

#### References

##### EBASCO

May 26, 1983 Interoffice Correspondence W3QAIRG-0502  
May 12, 1983 Interoffice Correspondence W3QAIRG-0481  
May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
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##### Tompkins-Beckwith

TBP-49 (Rev. A, January 11, 1984) Material Control Procedure

##### LP&L

W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. LenardsonDate

Reviewed By:

Team LeaderDate

Reviewed By:

Site Team Leader(s)Date

Approved By:

Task ManagementDate

SSER

Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

Ref. No.: 4-84-A-06/114, 184b, 184f, 184o, 184p

Characterization: It is alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by Tompkins-Beckwith (T-B) were not satisfactorily resolved by EBASCO Engineering.

Assessment of Allegation: In assessing this allegation, the NRC staff reviewed LP&L's Preliminary Safety Analysis Report (PSAR) and the Final Safety Analysis Report (FSAR), as well as the appropriate sections of the EBASCO contract documents. The staff found that design of piping systems is based on LP&L's commitment to the Winter 1972 Addenda in Section III of the ASME Code. Since welded attachments are not pressure-retaining components, the only Code requirement is that the attachments must be made of materials permitted by the applicable ASME Code section.

Code Class 1 welded attachments need be in conformance with material specifications in subsections NB-2121 and NB-4435 of the Code. Certified Material Test Reports (CMTRs) are required and are included in the piping documentation package.

Code Class 2 welded attachments need be in conformance with material specifications in Appendix I, Table I-7.0, of subsections NC-2190 and ND-2190 of the Code. CMTRs or Certificates of Compliance (C of Cs) are required and are included in the piping documentation package.

The NRC staff determined that either CMTRs or C of Cs for permanent attachment material were included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved. In addition, these weld attachments were inspected by an Authorized Nuclear Inspector.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

References:

EBASCO

AND THAT THE  
REQUIREMENTS OF  
10 CFR 50, APPENDIX B  
ARE MET.

May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
June 27, 1983 Interoffice Correspondence W3QAIRG-0588  
August 16, 1982 Interoffice Correspondence W3QASU-00022  
April 19, 1983 Handwritten Memo  
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TBP-49 (Rev. A, January 11, 1984) Material Control Procedure

LP&L

W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. Lenardson

Date

Reviewed By:

Team Leader

Date

Reviewed By:

Site Team Leader(s)

Date

Approved By:

Task Management

Date

Document Name:  
SSER X A-226

Requestor's ID:  
CONNIE

Author's Name:

Document Comments:  
A-306b, A-306f, A-306o, A-306p

A-226, REV. 0, 6/25/84

RETYPE REV. 1 (FINAL)

DO NOT RETYPE

WAL  
6/29



SSER

Task: Allegation A-226, A-306b, A-306f, A-306o, A-306p

Ref. No.: 4-84-A-06/91143, 1842, 1848, 1840, 1844

Characterization: It is alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by Tompkins-Beckwith (T-B) were not satisfactorily resolved by EBASCO Engineering.

Assessment of Allegation: In assessing this allegation, the NRC staff reviewed LP&L's Preliminary Safety Analysis Report (PSAR) and the Final Safety Analysis Report (FSAR), as well as the appropriate sections of the EBASCO contract documents. The staff found that design of piping systems is based on LP&L's commitment to the Winter 1972 Addenda in Section III of the ASME Code. Since welded attachments are not pressure-retaining components, the only Code requirement is that the attachments must be made of materials permitted by the applicable ASME Code section.

Code Class 1 welded attachments need be in conformance with material specifications in subsections NB-2121 and NB-4435 of the Code. Certified Material Test Reports (CMTRs) are required and are included in the piping documentation package.

Code Class 2 welded attachments need be in conformance with material specifications in Appendix I, Table I-7.0, of subsections NC-2190 and ND-2190 of the Code. CMTRs or Certificates of Compliance (C of C's) are required and are included in the piping documentation package.

The NRC staff determined that either CMTRs or C of C's for permanent attachment material <sup>will</sup> ~~are~~ included in piping documentation packages. Accordingly, the NRC staff concludes that the material traceability requirements of welded attachments to Class 1 and 2 pressure boundaries have been properly resolved. In addition, these weld attachments were inspected by an <sup>A</sup> ~~authorized~~ nuclear inspector.

This allegation has neither safety significance nor generic implications.

Potential Violations: None.

Actions Required: None.

References

EBASCO

May 26, 1983 Interoffice Correspondence W3QAIRG-0502  
May 12, 1983 Interoffice Correspondence W3QAIRG-0481  
May 4, 1983 Interoffice Correspondence W3QAIRG-0467  
June 27, 1983 Interoffice Correspondence W3QAIRG-0588  
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NCR No. W3-7494 (December 23, 1983 - January 11, 1984)

Contract W3-NY-11 Supplemental Work Order No. 180 (signed January 9, 1984)

Tompkins-Beckwith

TBP-49 (Rev. A, January 11, 1984) Material Control Procedure

LP&L

W3 PSAR/FSAR Commitments/Classifications

Statement Prepared By:

James D. Lenardson

Date

Reviewed By:

Team Leader

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Reviewed By:

Site Team Leader(s)

Date

Approved By:

Task Management

Date

Document Name:

A-226

Requestor's ID:

JOHNNIE

Author's Name:

LShao/jkh

Document Comments:

Waterford Open Issue - Allegation A-226

WATERFORD OPEN ISSUE

Task No.: Allegation A-226

Reference No.: 4-84-A-06/114

Characterization: It has been alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by T-B were not satisfactorily resolved by EBASCO Engineering.

Initial Assessment of Significance: The material used for permanent attachment material may be improperly certified as required by the project specification.

[ Source: Individual "C" ]

Approach to Resolution:

1. Review EBASCO Flow Diagram G-157, Sheet 1 and Piping Diagram G-022, Sheet 9 of 13.
2. Determine the safety classification of this system in Waterford 3 FSAR.
3. Determine the applicability of Regulatory Guide 1.29.
4. Evaluate.
5. Report.

Allegation A-226

- 2 -

Status:

Review Lead: L. Shao - Piping

Support:

Estimated Resources: ½ man-day

Estimated Completion:

CLOSURE:

Document Name:

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Requestor's ID:

LAURIE

Author's Name:

LShao/jkh

Document Comments:

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WATERFORD OPEN ISSUE

Task No.: Allegation A-226

Reference No.: 4-84-A-06/114

Characterization: It has been alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by T-B were not satisfactorily resolved by EBASCO Engineering.

Initial Assessment of Significance: The material used for permanent attachment material may be improperly certified as required by the project specification.

[Source: Individual "C"]

Approach to Resolution:

1. Review EBASCO Flow Diagram G-157, Sheet 1 and Piping Diagram G-022, Sheet 9 of 13.
2. Determine the safety classification of this system in Waterford 3 FSAR.
3. Determine the applicability of Regulatory Guide 1.29.
4. Evaluate.
5. Report.



Allegation A-226

- 2 -

Status:

Review Lead: L. Shao - Piping

Support:

Estimated Resources: ½ man-day

Estimated Completion:

CLOSURE:

Document Name:

A-226 RIV

Requestor's ID:

LAURIE

Author's Name:

LShao/jkh

Document Comments:

Waterford Open Issue - Allegation A-226

Should be Draft 3  
Retype  
8/15/84

File Copy

WATERFORD OPEN ISSUE

Task No.: Allegation A-226

Reference No.: 4-84-A-06/114

Characterization: It has been alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by T-B were not satisfactorily resolved by EBASCO Engineering.

Initial Assessment of Significance: The material used for permanent attachment material may be improperly certified as required by the project specification.

[ Source: Individual "C" ]

Approach to Resolution:

1. Review EBASCO Flow Diagram G-157, Sheet 1 and Piping Diagram G-022, Sheet 9 of 13.
2. Determine the safety classification of this system in Waterford 3 FSAR.
3. Determine the applicability of Regulatory Guide 1.29.
4. Evaluate.
5. Report.

Allegation A-226

- 2 -

Status:

Review Lead: L. Shao - Piping

Support:

Estimated Resources: ½ man-day

Estimated Completion:

CLOSURE:

Document Name:  
A-226

Requestor's ID:  
OP17

Author's Name:  
LShao/jkh

Document Comments:  
Waterford Open Issue - Allegation A-226

WATERFORD OPEN ISSUE

Task No.: Allegation A-226

Reference No.: 4-84-A-06/114

Characterization: It has been alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by T-B were not satisfactorily resolved by EBASCO Engineering.

Initial Assessment of Significance: The material used for permanent attachment material may be improperly certified as required by the project specification.

[ Source: Individual "C" ]

Approach to Resolution:

1. Review EBASCO Flow Diagram G-157, Sheet 1 and Piping Diagram G-022, Sheet 9 of 13.
2. Determine the safety classification of this system in Waterford 3 FSAR.
3. Determine the applicability of Regulatory Guide 1.29.
4. Evaluate.
5. Report.

Status:

Review Lead: L. Shao - Piping

Support:

Estimated Resources:  $\frac{1}{2}$  man-day

Estimated Completion:

CLOSURE:

Document Name:  
A-226/1

Requestor's ID:  
JOHNNIE

Author's Name:  
LShao/jkh

Document Comments:  
Waterford Open Issue - A-226



DRAFT 1  
07/17/84

WATERFORD OPEN ISSUE

Task: A-226, A-306b, A-306f, A-306o, and A-306p

Reference No.: 4-84-A-06/114, 184b, 184f, 184o, and 184p

Characterization: It is alleged that the traceability requirements of permanent attachment material welded to Class 1 and 2 piping pressure boundaries by Tompkins-Beckwith (T-B) were not satisfactorily resolved by EBASCO Engineering.

Initial Assessment of Significance: The lack of clarity of material traceability Code requirements for permanent attachments welded to pressure boundaries on Category 1 and 2 piping is causing numerous documentation deficiencies to be initiated.

Source: Individual "B."

Approach to Resolution:

1. Review Waterford 3 Preliminary and Final Safety Analysis Reports (PSAR and FSAR).
2. Review ASME Section III, 1972 Winter Addenda, subsections NB-2121, NB-4435, and Appendix I, Table 1-7.0 of subsections NC-2190 and ND-2190.
3. August 16, 1982, interoffice correspondence W3QASU-00022.
4. September 7, 1982 memorandum (handwritten), [D. M. McCorkle] to Joe Gutierrez.
5. Evaluate the above.
6. Report finding of evaluation.

Status:

Review Lead: L. Shao - Piping

Support:

Estimated Resources: 1/2 man-day

Estimated Completion:

CLOSURE: