

**INSERVICE INSPECTION REPORT**  
**UNIT 3 OCONEE 1995 REFUELING**  
**OUTAGE 15**

Location: Hwy 130/183, Seneca, South Carolina 29679

NRC Docket No. 50-287

Commercial Service Date: December 16, 1974

Owner: Duke Power Company  
526 South Church St.  
Charlotte, N. C. 28201-1006

Revision 1

Prepared By: RTS Row Date 10/1/96  
Reviewed By: Larry C. Keith Date 10-1-96  
Approved By: Jim Barlow Date 10/1/96

Copy No. \_\_\_\_\_ Assigned To \_\_\_\_\_

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## **8.0 Corrective Action**

No corrective action was required as a result of examinations performed during Outage 15. However, PIP serial number 3-O96-1514 was originated after unit start up to document the problem of the wrong Code year being specified on the NIS-2 forms. A copy of the PIP is included in Section 9.0 of this report.

**9.0 Reference Documents**

The following reference documents apply to the inservice inspection performed during Outage 15 at Oconee 3.

Duke Power Company Request for Relief ONS-005

Duke Power Company Request for Relief ONS-006

Duke Power Company Request for Relief ONS-008

Duke Power Company Request for Relief ONS-011

Duke Power Company Request for Relief 94-01

Duke Power Company Request for Relief 95-02

Duke Power Company Request for Relief 95-04

PIP Serial Number 3-O96-1514

**Connee Nuclear Station**  
**Problem Investigation Process**  
**Problem Investigation Form**

<b>PIP Serial No:</b> 3-O96-1514	<b>LER Serial No:</b>
<b>MSE Serial No:</b>	<b>Other Report:</b>

**I. Problem ID**

Discovered Time/Date: 09:00 08/01/96      Occurred Time/Date:

Unit(s):	3	Status at Time Discovered:	Unit 1	Unit 2	Unit 3
		Mode:	1	1	1
		% Power:			

Unit Status Remarks:

System(s) Affected: MSC      Miscellaneous

Affected Equipment:	Comp.	Manufacturer
<u>WMS Equipment ID No.</u>	<u>Code</u>	<u>Name</u>

Location of Problem - Bldg:	Column Line:	Elev:
<u>Location Remarks:</u>		

Method Used to Discover Problem:  
Review of the Unit 3 ISI NIS-2 report

Brief Problem Description:  
Wrong code year listed on NIS-2 forms

Detail Problem Description:  
During a review of the NIS-2 forms generated for Unit Three RFO # 15 it was noted that the wrong code year was listed for work performed to ANSI B31.1. This is a typographical error that does not affect the acceptability of work performed. All work was performed to the correct code year.

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96

Other Units/Components/Systems/Areas Affected (Y,N,U):      N

Industry Plants Affected (Y,N,U):      N

Immediate Corrective Actions:  
none

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b>	3-O96-1514	<b>LER Serial No:</b>	
<b>MSE Serial No:</b>		<b>Other Report:</b>	

Problem Found While Working with Document No. :

Immediate Corrective Action Work Request / Work Order No. :

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date:</u>
Problem Identified By:	CRHENSON	MAH7315	MNT	08/01/96
Problem Entered By:	CRHENSON	MAH7315	MNT	08/01/96

### II. Significance

Is the Problem Significant?      N                      Action Category:              3

OEP No:

Other Report Nos:

Event Codes:              A1a              Failure to follow procedures, etc. \ Administrative

#### Screening Remarks:

This pip was reviewed by the CST and this event does not meet the criteria of an MSE.

Originated By: HDUMEYER Team: LVW7310 Group: SRG Date: 08/01/96

Responsible Group for Proposed Resolution(s):      MNT                      Maintenance MECH/IAE

Responsible Group for Problem Evaluation:              MNT                      Maintenance MECH/IAE

Responsible Group for Overall PIP approval:              MNT                      Maintenance MECH/IAE

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date:</u>
Screened By:	HDUMEYER	LVW7310	SRG	08/01/96

### III. Problem Evaluation

System(s) Affected:      MSC              Miscellaneous

Affected Equipment:	Comp.	Manufacturer
<u>WMS Equipment ID No.</u>	<u>Code</u>	<u>Name</u>

Problem Evaluation:              Group:              MNT                      Status:              Closed

QC Technical Support devised a checklist of required information to be used in completion of NIS-2 forms. The checklist was reviewed by several QC Technical Support personnel for technical accuracy prior to the document being typed. After the document was processed in it's final form, the technician failed to have an independent review performed by another technician. Therefore, the incorrect code year was incorporated into the document and used to complete NIS-2 forms. The NIS-2 form is a cover sheet for the repair or replacement activity and is not used in any manner to control work activities. The use of an incorrect code year does not affect the acceptability of ASME XI work

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b> 3-O96-1514 <b>MSE Serial No:</b>	<b>LER Serial No:</b> <b>Other Report:</b>
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performed because the Maintenance Procedures and weld process control reflect the correct code year. The inappropriate action was the failure of the QC technician to obtain an independent review of the completed document. The proper use of QV &V was discussed in the QA Technical Support team meeting.

Originated By: CRHENSON Team:

MAH7315 Group: MNT Date: 08/01/96

<u>Event</u>	<u>Cause Cd</u>	<u>Cause Description</u>	<u>Primary</u>	<u>Causing Group(s)</u>
A1a	F3e	Self-checking not applied to ensure intended action is correct	Yes	MNT

Responsible Group(s) for Proposed Resolution: MNT Maintenance MECH/IAE

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	DRRICAR	RHL8302	MNT	08/01/96
Assigned To:	CRHENSON	MAH7315	MNT	08/01/96
Due Date:	08/31/96			
Ready for Approval:	DRRICAR	RHL8302	MNT	08/01/96
Approved By:	DRRICAR	RHL8302	MNT	08/01/96

Proposed Resolution From: Group: MNT Status: Closed

Operations QA Technical Support group will amend the ISI report for Unit 3 RFO # 15 and include a copy of this PIP in the report.

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	DRRICAR	RHL8302	MNT	08/01/96
Assigned To:	CRHENSON	MAH7315	MNT	08/01/96
Due Date:	08/31/96			
Ready for Approval:	DRRICAR	RHL8302	MNT	08/01/96
Approved By:	DRRICAR	RHL8302	MNT	08/01/96

Remarks:

#### IV. Corrective Actions

Seq. No: 1

Resp Group: QAT      Event Code: A1a  
 Orig Group: MNT      Cause Code: F3e

Proposed Corrective Action: Prop CAC: A      Status: Closed

Operations QA Technical Support group will amend the ISI report for Unit 3 RFO # 15 and include a copy of this PIP in the report.

Originated By: DRRICAR Team: RHL8302 Group: MNT Date: 08/01/96

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b> 3-O96-1514 <b>MSE Serial No:</b>	<b>LER Serial No:</b> <b>Other Report:</b>
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	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Assigned To:				
Ready for Approval:	ARBABB	MAH7315	MNT	08/06/96
Approved By:	ARBABB	MAH7315	MNT	08/06/96

General

Outage: Mode:  
 Tracking

Actual Corrective Action: Actual CAC: Status: Open

Due Date: 10/30/96

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	KWSCHMID	KWS8302	QAT	08/26/96
Assigned To:	RGROUSE	KWS8302	QAT	08/26/96
Due Date:	10/30/96			
Ready for Approval:				
Approved By:				

### V. Final and Overall PIP Approval

Criterion XVI Review:

XVI Review Not Required for this PIP.

<u>Overall PIP Approval:</u>	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:				
Assigned To:			MNT	08/01/96
Due Date:				
Ready for Approval:				
Approved By:				

Closure Document Type Closure Document No

Supplemental Concurrences - These do not affect PIP closure.

Concurrences Associated with External Commitments:

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Concurred By:				

### VI. Attachments



# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b> 3-O96-1514 <b>MSE Serial No:</b>	<b>LER Serial No:</b> <b>Other Report:</b>
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Environmental:

No Environmental for this PIP.

Maintenance Rule:

No Maintenance Rule for this PIP.

Failure Prevention Investigation:

Quality of CA:                      Quality of Cause: Y                      Resp. Group: SRG                      Status: Closed

- 1) Event      Inapp. Action #  
A1a              001

Description: QC Technical Support person failed to get an independent review.

Process:	DM	Process:
Group:	MNT	Group:
Sub-Group:	MNT-MMT	Sub-Group:

O and P Failure Mode: O5  
HE Failure Mode: IM2  
HE Type: Skill Based  
Key Activity: dp

Associated Corrective Action:

	<u>Resp.</u>
<u>NO.</u>	<u>Group</u>

Comments

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By :				
Assigned To :				
Due Date:				
Approved By:	SITECOOR	RSM7315	SRG	08/08/96
Evaluated By :				

End of the Document for PIP No: 3-O96-1514  
The status of this PIP is: Screened  
The duration of this PIP was 0 days.

October 8, 1996

D. E. LaBarge  
Office of NRR  
USNRC  
Washington, DC 20555

Subject: Transmittal of the Oconee Nuclear Station  
Unit 3 Fifteenth Refueling Outage Report, Rev. 1

Enclosed is the above subject report for your information and use. Please sign and date the attached "Receipt of Documents" letter and return it to me within thirty days.

**Replace the following pages:**

Cover Sheet (signature page)  
Table of Contents  
Page 1 of 1 of Section 8  
Page 1 of 1 of Section 9

**Add:**

Copy of PIP 3-O-96-1514 to Section 9, behind Duke Power Company Request for Relief 95-04

If you have any questions, please contact Verena Keller at (704) 382-6321 or Rick Rouse at (704) 382-5111 or write:

Duke Power Company  
P O Box 1006  
QA Technical Services/EC07J  
Charlotte, NC 28201-1006  
Attention: V. E. Keller



R. G. Rouse  
QA Technical Services

Enclosures

October 2, 1996  
July 16, 1996

V. E. Keller  
QA Technical Services  
P O Box 1006 - EC07J  
Charlotte NC 28201-1006

Subject: Receipt of the Oconee Nuclear Station  
Unit 3 - Fifteenth Refueling Outage Report, Rev. 1

Please be advised that the above referenced Refueling Outage Report Revision forwarded by V. E. Keller's letter of October 2, 1996 has been received and is in my possession as of the date below.

Copy No.: 4

Assigned to: Office of NRR  
USNRC

By: \_\_\_\_\_

Date: \_\_\_\_\_

**INSERVICE INSPECTION REPORT**  
**UNIT 3 OCONEE 1995 REFUELING**  
**OUTAGE 15**

Location: Hwy 130/183, Seneca, South Carolina 29679

NRC Docket No. 50-287

Commercial Service Date: December 16, 1974

Owner: Duke Power Company  
526 South Church St.  
Charlotte, N. C. 28201-1006

Revision 1

Prepared By:           R/S Rowe           Date           10/1/96            
Reviewed By:           Larry C. Keith           Date           10-1-96            
Approved By:           J. Barlow           Date           10/1/96          

Copy No. \_\_\_\_\_ Assigned To \_\_\_\_\_

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5.	Results of Inspections Performed During Outage 15	0
6.	Reportable Indications	0
7.	Personnel, Equipment, and Material Certifications	0
8.	Corrective Action	0
9.	Reference Documents	1
10.	Class 1 and 2 Repairs and Replacements	0

## **8.0 Corrective Action**

No corrective action was required as a result of examinations performed during Outage 15. However, PIP serial number 3-O96-1514 was originated after unit start up to document the problem of the wrong Code year being specified on the NIS-2 forms. A copy of the PIP is included in Section 9.0 of this report.

## 9.0 Reference Documents

The following reference documents apply to the inservice inspection performed during Outage 15 at Oconee 3.

Duke Power Company Request for Relief ONS-005

Duke Power Company Request for Relief ONS-006

Duke Power Company Request for Relief ONS-008

Duke Power Company Request for Relief ONS-011

Duke Power Company Request for Relief 94-01

Duke Power Company Request for Relief 95-02

Duke Power Company Request for Relief 95-04

PIP Serial Number 3-O96-1514

# Connee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

PIP Serial No: 3-096-1514  
MSE Serial No:

LER Serial No:  
Other Report:

#### I. Problem ID

Discovered Time/Date: 09:00 08/01/96 Occurred Time/Date:

Unit(s): 3	Status at Time Discovered:	Unit 1	Unit 2	Unit 3
	Mode:	1	1	1
	% Power:			

Unit Status Remarks:

System(s) Affected: MSC Miscellaneous

Affected Equipment:	Comp.	Manufacturer
<u>WMS Equipment ID No.</u>	<u>Code</u>	<u>Name</u>

Location of Problem - Bldg: Column Line: Elev:

Location Remarks:

#### Method Used to Discover Problem:

Review of the Unit 3 ISI NIS-2 report

#### Brief Problem Description:

Wrong code year listed on NIS-2 forms

#### Detail Problem Description:

During a review of the NIS-2 forms generated for Unit Three RFO # 15 it was noted that the wrong code year was listed for work performed to ANSI B31.1. This is a typographical error that does not affect the acceptability of work performed. All work was performed to the correct code year.

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96

Other Units/Components/Systems/Areas Affected (Y,N,U): N

Industry Plants Affected (Y,N,U): N

#### Immediate Corrective Actions:

none

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96



# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b> 3-O96-1514 <b>MSE Serial No:</b>	<b>LER Serial No:</b> <b>Other Report:</b>
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Problem Found While Working with Document No. :

Immediate Corrective Action Work Request / Work Order No. :

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date:</u>
Problem Identified By:	CRHENSON	MAH7315	MNT	08/01/96
Problem Entered By:	CRHENSON	MAH7315	MNT	08/01/96

### II. Significance

Is the Problem Significant?      N                      Action Category:              3

OEP No:

Other Report Nos:

Event Codes:              A1a              Failure to follow procedures, etc. \ Administrative

Screening Remarks:

This pip was reviewed by the CST and this event does not meet the criteria of an MSE.

Originated By: HDUMEYER Team: LVW7310 Group: SRG Date: 08/01/96

Responsible Group for Proposed Resolution(s):      MNT                      Maintenance MECH/IAE

Responsible Group for Problem Evaluation:              MNT                      Maintenance MECH/IAE

Responsible Group for Overall PIP approval:              MNT                      Maintenance MECH/IAE

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date:</u>
Screened By:	HDUMEYER	LVW7310	SRG	08/01/96

### III. Problem Evaluation

System(s) Affected:      MSC              Miscellaneous

Affected Equipment:	Comp.	Manufacturer
<u>WMS Equipment ID No.</u>	<u>Code</u>	<u>Name</u>

Problem Evaluation:              Group:              MNT                      Status:              Closed

QC Technical Support devised a checklist of required information to be used in completion of NIS-2 forms. The checklist was reviewed by several QC Technical Support personnel for technical accuracy prior to the document being typed. After the document was processed in it's final form, the technician failed to have an independent review performed by another technician. Therefore, the incorrect code year was incorporated into the document and used to complete NIS-2 forms. The NIS-2 form is a cover sheet for the repair or replacement activity and is not used in any manner to control work activities. The use of an incorrect code year does not affect the acceptability of ASME XI work

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b>	<b>3-O96-1514</b>	<b>LER Serial No:</b>	
<b>MSE Serial No:</b>		<b>Other Report:</b>	

performed because the Maintenance Procedures and weld process control reflect the correct code year. The inappropriate action was the failure of the QC technician to obtain an independent review of the completed document. The proper use of QV &V was discussed in the QA Technical Support team meeting.

Originated By: CRHENSON Team:

MAH7315 Group: MNT Date: 08/01/96

<u>Event</u>	<u>Cause Cd</u>	<u>Cause Description</u>	<u>Primary</u>	<u>Causing Group(s)</u>
A1a	F3e	Self-checking not applied to ensure intended action is correct	Yes	MNT

Responsible Group(s) for Proposed Resolution: MNT Maintenance MECH/IAE

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	DRRICHA	RHL8302	MNT	08/01/96
Assigned To:	CRHENSON	MAH7315	MNT	08/01/96
Due Date:	08/31/96			
Ready for Approval:	DRRICHA	RHL8302	MNT	08/01/96
Approved By:	DRRICHA	RHL8302	MNT	08/01/96

Proposed Resolution From: Group: MNT Status: Closed

Operations QA Technical Support group will amend the ISI report for Unit 3 RFO # 15 and include a copy of this PIP in the report.

Originated By: CRHENSON Team: MAH7315 Group: MNT Date: 08/01/96

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	DRRICHA	RHL8302	MNT	08/01/96
Assigned To:	CRHENSON	MAH7315	MNT	08/01/96
Due Date:	08/31/96			
Ready for Approval:	DRRICHA	RHL8302	MNT	08/01/96
Approved By:	DRRICHA	RHL8302	MNT	08/01/96

Remarks:

#### IV. Corrective Actions

Seq. No: 1

Resp Group: QAT      Event Code: A1a  
 Orig Group: MNT      Cause Code: F3e

Proposed Corrective Action: Prop CAC: A      Status: Closed

Operations QA Technical Support group will amend the ISI report for Unit 3 RFO # 15 and include a copy of this PIP in the report.

Originated By: DRRICHA Team: RHL8302 Group: MNT Date: 08/01/96

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

<b>PIP Serial No:</b> 3-O96-1514 <b>MSE Serial No:</b>	<b>LER Serial No:</b> <b>Other Report:</b>
---	---

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Assigned To:				
Ready for Approval:	ARBABB	MAH7315	MNT	08/06/96
Approved By:	ARBABB	MAH7315	MNT	08/06/96

General

Outage: Mode:  
 Tracking

Actual Corrective Action: Actual CAC: Status: Open

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By:	KWSCHMID	KWS8302	QAT	08/26/96
Assigned To:	RGROUSE	KWS8302	QAT	08/26/96
Due Date:	10/30/96			
Ready for Approval:				
Approved By:				

### V. Final and Overall PIP Approval

Criterion XVI Review:

XVI Review Not Required for this PIP.

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
<u>Overall PIP Approval:</u>				
Accepted By:				
Assigned To:			MNT	08/01/96
Due Date:				
Ready for Approval:				
Approved By:				

Closure Document Type Closure Document No

Supplemental Concurrences - These do not affect PIP closure.

Concurrences Associated with External Commitments:

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Concurred By:				

### VI. Attachments

# Oconee Nuclear Station

## Problem Investigation Process

### Problem Investigation Form

PIP Serial No: 3-O96-1514  
MSE Serial No:

LER Serial No:  
Other Report:

Environmental:

No Environmental for this PIP.

Maintenance Rule:

No Maintenance Rule for this PIP.

Failure Prevention Investigation:

Quality of CA:                      Quality of Cause: Y                      Resp. Group: SRG                      Status: Closed

1) Event    Inapp. Action #  
A1a            001

Description: QC Technical Support person failed to get an independent review.

Process:                      DM                      Process:  
Group:                      MNT                      Group:  
Sub-Group:                      MNT-MMT                      Sub-Group:

O and P Failure Mode: O5  
HE Failure Mode: IM2  
HE Type: Skill Based  
Key Activity: dp

Associated Corrective Action:

Resp.  
NO.    Group

Comments

	<u>Indiv</u>	<u>Team</u>	<u>Group</u>	<u>Date</u>
Accepted By :				
Assigned To :				
Due Date:				
Approved By:	SITECOOR	RSM7315	SRG	08/08/96
Evaluated By :				

End of the Document for PIP No: 3-O96-1514  
The status of this PIP is: Screened  
The duration of this PIP was 0 days.