 Entergy	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 24 Zone No: 001 Drawing No.: _____

Description: EI. 128 – EI. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,4
Cracks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,4
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify Inspection areas and locations.)

Examined By: MARK GETTLEMAN II Date: 6/2/05 Examined By: DRAGOS NJTA Date: 6/2/05
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Drake Date: 6/9/05
 Print/Signature/Level

Site Level III Review: _____ Date: _____
 Print/Signature/Level

ANII Review: Not Applicable Date: _____
 Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
 Indian Point Unit No. 2


IP2 – CISI – XXX
 Rev. 0
 Date: 5/10/2005
 Page: X of Y

FORM VT – 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT – 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC – 24

ZONE No: 001

No.	Comment	Initials
1	Rust stain on concrete below, from exposed cadweld sleeve with rust over 6" length. Inadequate concrete (about 1/2") cover. This area has remained unchanged since previous inspection.	<i>uf</i>
2	6" of mortar about to spall. This area has remained unchanged since previous inspection.	<i>uf</i>
3	1" deep hole created in concrete cover by inadequate consolidation during pouring exposing 2" of reinforcing steel with rusting and staining. This area has remained unchanged since previous inspection.	<i>uf</i>
4	Between El. 138 and El. 143, two bars are exposed (one upper and one lower at 1" and 6", respectively) with rusting and staining.	<i>uf</i>
5	Minor leaching from construction joints. These areas have remained unchanged since previous inspections.	<i>uf</i>

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 25 Zone No: 002 Drawing No.: _____

Description: EI. 128 – EI. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,5,8,9,10
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,8
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3,4,5,6,10
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,8
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK GASTLEMAN II Date: 6/2/05 Examined By: DRAGOS NJTA Date: 6/2/05
Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Duke Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
 Indian Point Unit No. 2

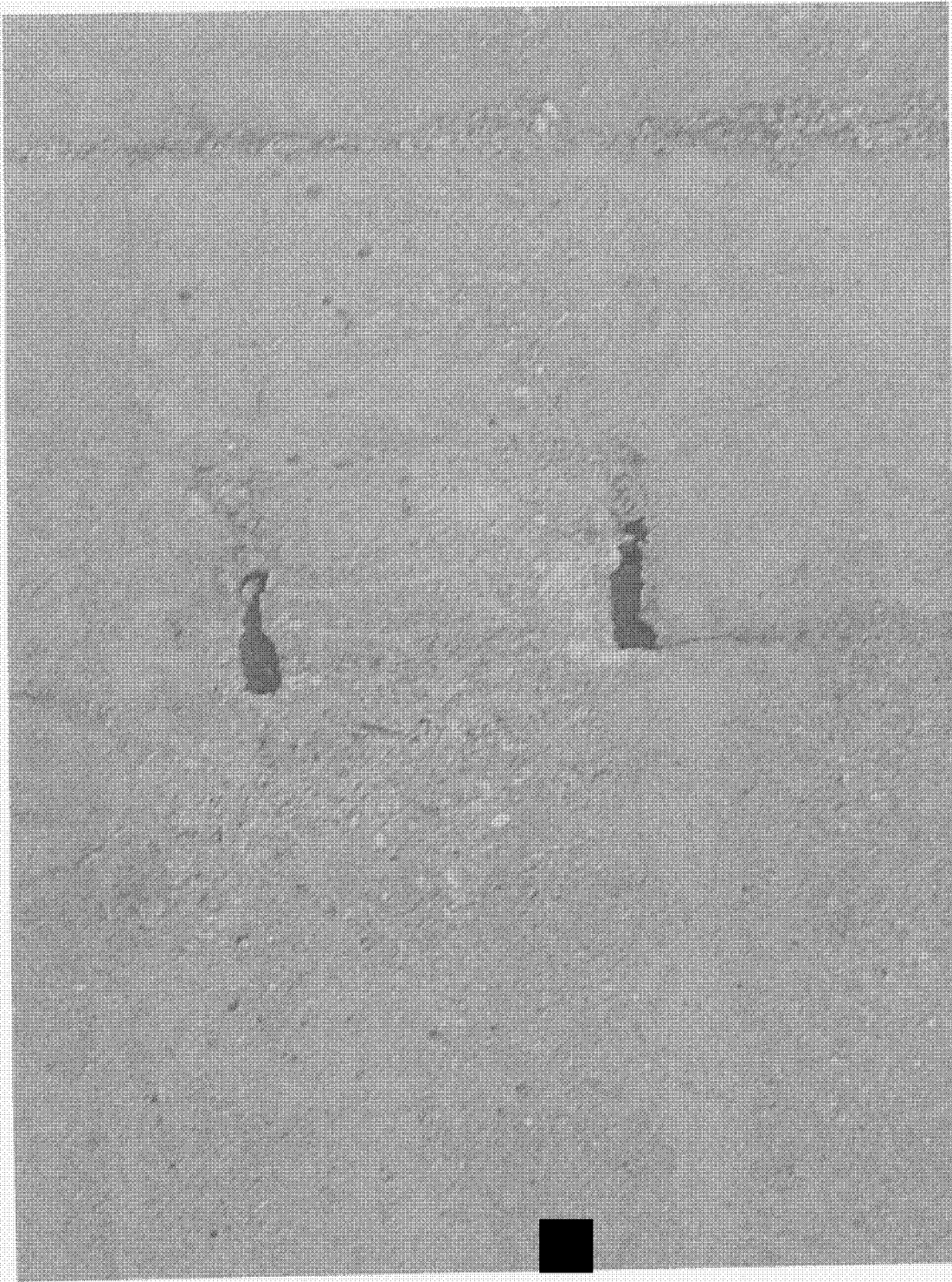
IP2 - CISI - XXX
 Rev. 0
 Date: 5/10/2005
 Page: X of Y

FORM VT - 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC - 25

ZONE No: 002

No.	Comment	Initials
1	Cadweld exposed (approx. 6" long) & corroded with rusting and staining due to loss of concrete cover at El. 144.	<i>WJF</i>
2	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. Since previous inspection, pattern cracking surrounding the exposed cadweld has occurred. See photo U2-0251015	<i>WJF</i>
3	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. Since previous inspection, pattern cracking surrounding the exposed cadweld has occurred. Also, the portion of concrete directly above the cadweld has fallen off. See photo U2-0251015	<i>WJF</i>
4	A small area of concrete has cracked and is likely to spall off. This area has remained unchanged since previous inspection.	<i>WJF</i>
5	The concrete has cracked & bulged in a small area that is likely to spall off. This area has remained unchanged since previous inspection.	<i>WJF</i>
6	The concrete has joint cracking along El. 128.	<i>WJF</i>
7	Bugholes appear between El. 128 and El. 133.	<i>WJF</i>
8	Cadweld exposed (approx. 4" long) with rusting and staining due to spalling at El. 129. See photo U2-0251016	<i>WJF</i>
9	Small area of concrete ready to fall off at El. 144.	<i>WJF</i>
10	Joint spalls and cracks appear along El. 133.	<i>WJF</i>




U2-0251015

IWL-128-002



U2-0251016

IWL-128-002

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 26 Zone No: 003 Drawing No.: _____

Description: EI. 128 – EI. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,4
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,4
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,5
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,4
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,4

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK GENTLEMAN II Date: 6/2/05 Examined By: DRAGOS NIJA Date: 6/2/05
Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Drake Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
 Indian Point Unit No. 2

IP2 - CISI - XXX
 Rev. 0
 Date: 5/10/2005
 Page: X of Y

FORM VT - 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC - 26


ZONE No: 003

No.	Comment	Initials
1	Band of concrete surface containing 9 popouts/spalls (ranging from 2"-8" dia.) centered on the zone between El. 108 and El. 148. Also, numerous bugholes (some with visible rust and staining) and general pattern cracking appear within this band.	<i>WJF</i>
2	General joint cracking, local scaling, and pattern cracking between El. 128 and El. 133.	<i>WJF</i>
3	General joint cracking, local incipient spalls, and bugholes between El. 133 and El. 138.	<i>WJF</i>
4	A 2" diameter popout exposing rebar appears with abrasion and a small spall just below. Minor rusting and staining appear in this area. See photo U2-035103	<i>WJF</i>
5	General joint cracking and pattern cracking between El. 143 and El. 148.	<i>WJF</i>



U2-035103

IWL-128-003

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 27 Zone No: 004 Drawing No.: _____

Description: El. 128 – El. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK GENTLEMAN II Date: 6/2/05 Examined By: DRAGOS NJTA Date: 6/2/05
Print/Signature/Level

Responsible Engineer Review:

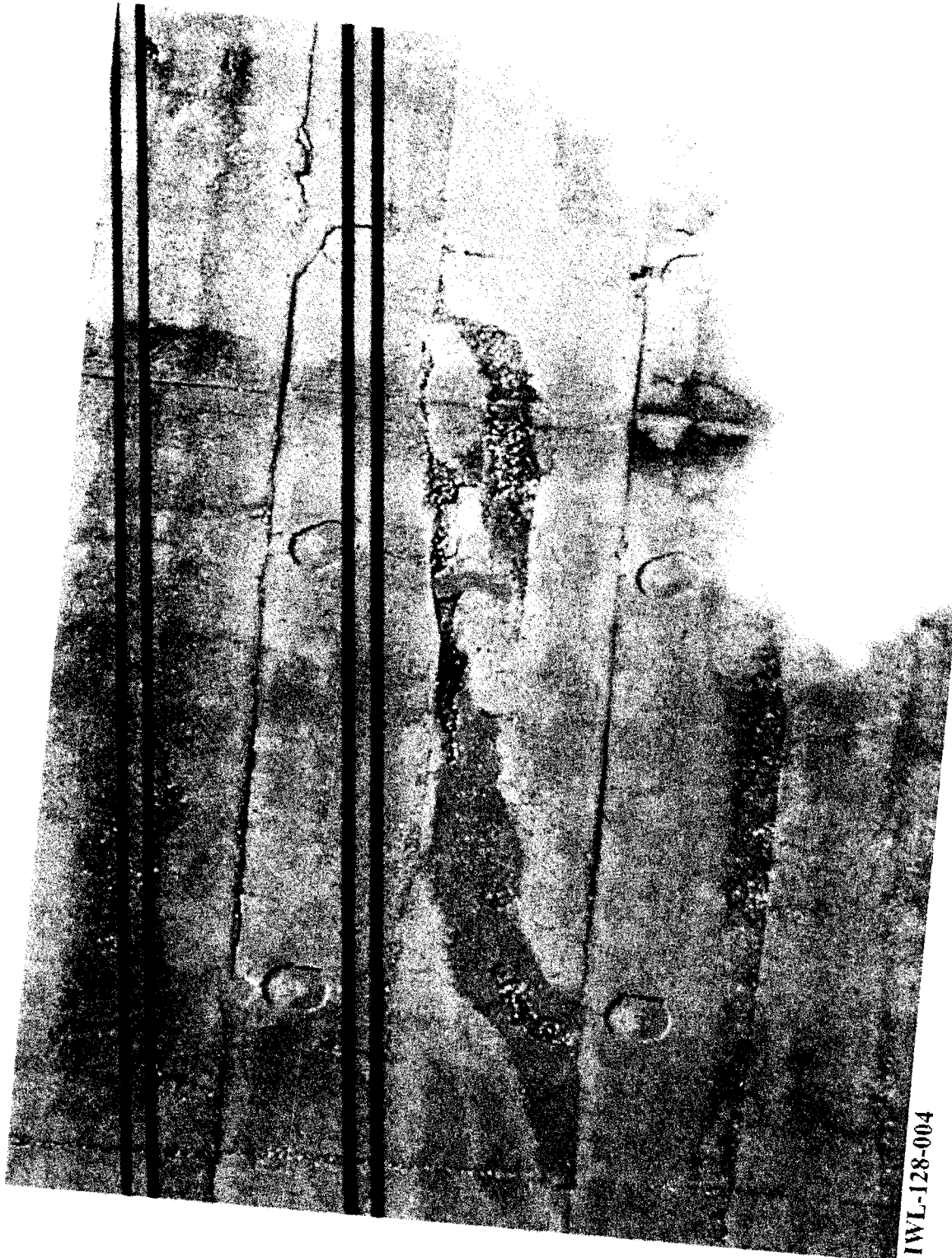
Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature Richard Drake Date: 6/9/05
Print/Signature/Level


Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature



U2-045128

IWL-128-004

 ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
	IWL Visual Containment Inspection	Page 14 of 15

**Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 28 Zone No: 005 Drawing No.: _____

Description: El. 128 – El. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed reinforcing steel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: *Mark Gattlemire II* Date: 6/2/05 Examined By: *DRAGOS NJTA* Date: 6/2/05
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:


Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature *Richard Duke* Date: 6/9/05
 Print/Signature/Level

Site Level III Review: _____ Date: _____
 Print/Signature/Level

ANII Review: _____ Not Applicable _____ Date: _____
 Print/Signature

 ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
	IWL Visual Containment Inspection	Page 14 of 15

**Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 29 Zone No: 006 Drawing No.: _____

Description: EI. 128 – EI. 148 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Abrasion or erosion degradation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Pop outs and voids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Cracks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK GOTTLEMAN II Date: 6/2/05 Examined By: DRAGOS NOTA Date: 6/2/05
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:


Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature Richard Drake Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

**Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 30 Zone No: 001 Drawing No.: _____

Description: El. 148 – El. 168 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3
Cracks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: Mark Coleman II Date: 6/2/05 Examined By: DRAGOS NJTA Date: 6/2/05
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:


Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Duke Date: 6/9/05
 Print/Signature/Level

Site Level III Review: _____ Date: _____
 Print/Signature/Level

ANII Review: Not Applicable Date: _____
 Print/Signature

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 31 Zone No: 002 Drawing No.: _____

Description: El. 148 – El. 168 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,10
Pop outs and voids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,7
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,6
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,7,10
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,4,5,8
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: WILL GASTLEMAN II Date: 6/2/05 Examined By: DRAGOS NUTA Date: 6/2/05
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Drake Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
 Indian Point Unit No. 2

IP2 - CISI - XXX
 Rev. 0
 Date: 5/10/2005
 Page: X of Y

FORM VT - 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC - 31

ZONE No: 002

No.	Comment	Initials
1	Exposed steel is corroded with staining and appears to be rebar. This has remained unchanged since previous inspection. See photo U2-025108	<i>WJF</i>
2	A piece of steel, not reinforcing steel, is exposed at the concrete surface on a diagonal line approximately 3' long with minor staining. This has remained unchanged since previous inspection. See photo U2-025108	<i>WJF</i>
3	A small spot of steel is exposed and corroded with staining. It does not appear to be reinforcing steel, and has remained unchanged since previous inspection.	<i>WJF</i>
4	Exposed cadweld approximately 8" long due to inadequate concrete cover at El. 156.	<i>WJF</i>
5	Cadweld exposed & corroded due to loss of concrete cover. Additional spalling has occurred since previous inspection. See photo U2-025107	<i>WJF</i>
6	A joint spall, cracking, and small popouts appear at El. 148 centered in zone 002.	<i>WJF</i>
7	A crack with popout (approximately 4" wide) appears at El. 157.	<i>WJF</i>
8	Cadweld exposed & corroded due to loss of concrete cover. This has remained unchanged since previous inspection. See photo U2-025108	<i>WJF</i>
9	Pitting/abrasion appears in small area at El. 154.	<i>WJF</i>
10	The concrete has joint cracks and pitting/abrasion along El. 158.	<i>WJF</i>
11	Grout is about to fall at El. 155.	<i>WJF</i>



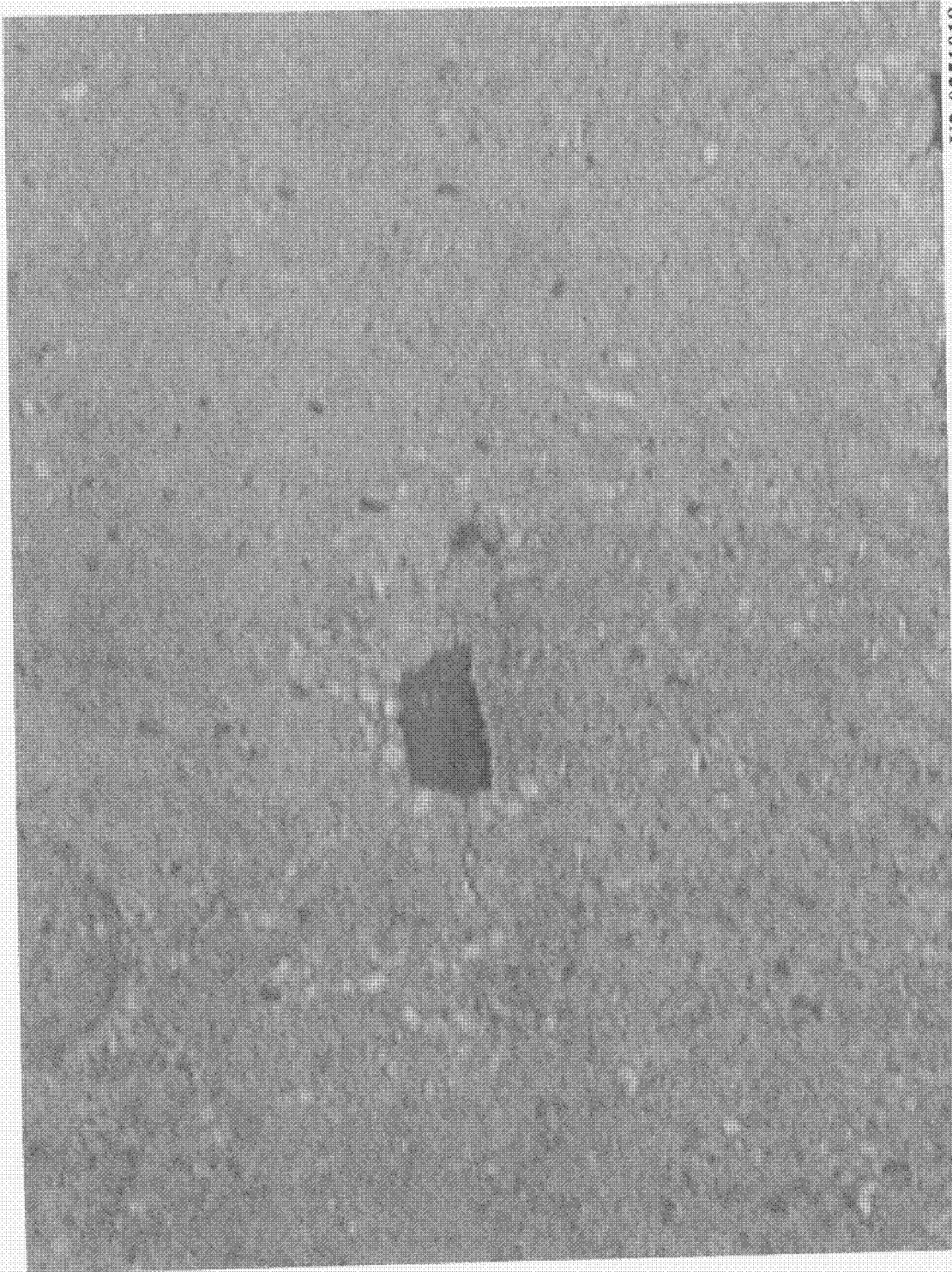
U2-025108

TWL-148-002




U2-0251017

IWL-148-002



U2-0251018

IWL-148-002

 Entergy	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

**Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 32 Zone No.: 003 Drawing No.: _____

Description: El. 148 – El. 168 Work Order No.: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,4,5
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,6,7
Exposed reinforcing steel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK BENTLEYMAN II Date: 6/2/05 Examined By: DRAGOS NUTA Date: 6/2/05
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: Richard Drake Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
 Indian Point Unit No. 2

IP2 - CISI - XXX
 Rev. 0
 Date: 5/10/2005
 Page: X of Y

FORM VT - 3C
 CONTAINMENT INSERVICE INSPECTION
 RECORD OF VT - 3 / GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC - 32


ZONE No: 003

No.	Comment	Initials
1	General pattern cracking and discoloration between El. 148 and El. 153.	<i>WJF</i>
2	General pattern cracking and bugholes between El. 153 and El. 158.	<i>WJF</i>
3	Patch of small spalls with visible rust and staining at El. 155.	<i>WJF</i>
4	A small spot of steel is exposed and corroded with staining. It is not immediately apparent whether it is reinforcing steel but it is similar in appearance to cadwelds exposed in other areas. This area has remained unchanged since previous inspection.	<i>WJF</i>
5	Two small spots of steel are exposed and corroded with staining. It is not immediately apparent whether they are reinforcing steel but it is similar in appearance to cadwelds exposed in other areas.	<i>WJF</i>
6	A 6" long crack exists at bottom of scaling area (El. 158) approximately 15' from right boundary. See photo U2-035109	<i>WJF</i>
7	Located between El. 163 and El. 168, centered in zone, minute leaching is visible from grouted hole with surrounding pattern cracking and bugholes.	<i>WJF</i>



U2-035109

IWL-148-003

	ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
		IWL Visual Containment Inspection	Page 14 of 15

Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 33 Zone No: 004 Drawing No.: _____

Description: EI. 148 - EI. 168 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
Exposed reinforcing steel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: *Mark Celestini II* Date: 6/2/05 Examined By: *DRAGOS NUTA* Date: 6/2/05
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature: *Richard Drake* Date: 6/9/05
 Print/Signature/Level

Site Level III Review: _____ Date: _____
 Print/Signature/Level

ANII Review: Not Applicable Date: _____
 Print/Signature

IWL VISUAL CONTAINMENT INSPECTION
Indian Point Unit No. 2


IP2 - CISI - XXX
Rev. 0
Date: 5/10/2005
Page: X of Y

FORM VT - 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC - 33

ZONE No: 004

No.	Comment	Initials
1	General pattern cracking and discoloration between El. 148 and El. 153.	<i>[Handwritten Signature]</i>
2	General pattern cracking, discoloration, and numerous bugholes between El. 158 and El. 168.	<i>[Handwritten Signature]</i>
3	3" popout exposing rebar with rust and staining at El. 155, approx. 20' from left boundary.	<i>[Handwritten Signature]</i>

 ENN NUCLEAR MANAGEMENT MANUAL	ENGINEERING STANDARD	ENN-EP-S-003 Revision 0
	IWL Visual Containment Inspection	Page 14 of 15

**Attachment 7.2
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001

Component No.: VCC - 34 Zone No: 005 Drawing No.: _____

Description: El. 148 – El. 168 Work Order No: IP2-03-29683

Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only

Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Abrasion or erosion degradation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Pop outs and voids	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Corrosion staining on concrete surfaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Deteriorating of concrete coating, if applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Excessive corrosion of the exposed embedded metal surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Detached embedment or loose bolts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: MARK GENTLEMAN Date: 6/2/05 Examined By: DRAGOS, NJTA Date: 6/2/05
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

Acceptable : Yes No (Detailed VT-1 Examination Required Attachment 7.3)

Comments: _____

RE Signature Richard Drake Date: 6/9/05
Print/Signature/Level

Site Level III Review: _____ Date: _____
Print/Signature/Level

ANII Review: Not Applicable Date: _____
Print/Signature