

**IPEC**

IP3 ASME Section XI, IWL  
 Concrete Containment Inspection  
 for 2005

IP-RPT-06-00013 Revision 0  
 Attachment 8.2 Page 30 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit:  3  Interval Period:  1<sup>st</sup>/2<sup>nd</sup> Inspection  Inspection Report No.:  IP3-O5-IWL-001

Component No.:  VCC - 10  Zone No:  004  Drawing No.:

Description:  El. 68 – El. 88  Work Order No:  IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
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:  D. Nuta *D. Nuta*  Date:  7/11/05  Examined By:  P. Bowe *P. Bowe*  Date:  7/11/05   
 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 *Richard Drake*  Date:  7/14/05   
 Print/Signature/Level

**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

**ANII Review:**  Not Applicable  Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 10

ZONE No: 004

No.	Comment	Initials
1	Minor cracks; scaling and spalling; leaching; discoloration - all minor.	RMB
2	Large pattern cracking over 5' x 5' area.	RMB



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 32 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 12 Zone No: 006 Drawing No.: \_\_\_\_\_

Description: El. 68 – El. 88 Work Order No: IP3-03-22881

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"/>	2
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	4
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
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"/>	2,3

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Drake* Date: 7/14/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 12

ZONE No: 006

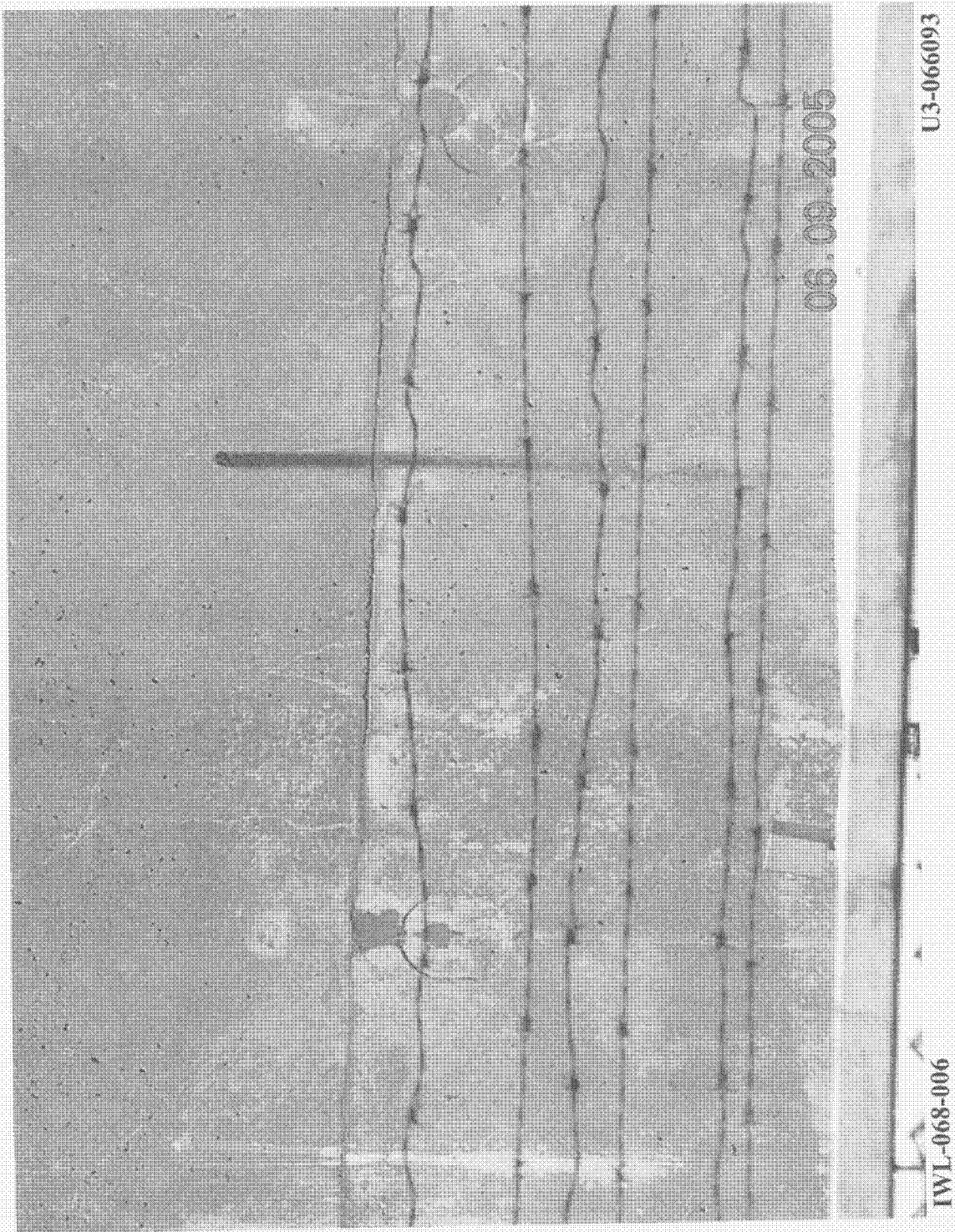
No.	Comment	Initials
1	Area of light scaling, approximately 5'x5', between El. 83 and El. 88.	PMB
2	General bugholes, rust staining, pattern cracking, discoloration, and leaching are visible between El. 83 and El. 88. See photo U3-066092	PMB
3	Accessible areas in this component ranged from El. 83 to El. 88.	PMB
4	Void with exposed rebar tip, rusting, and staining. See photos U3-066093 and U3-066094	PMB

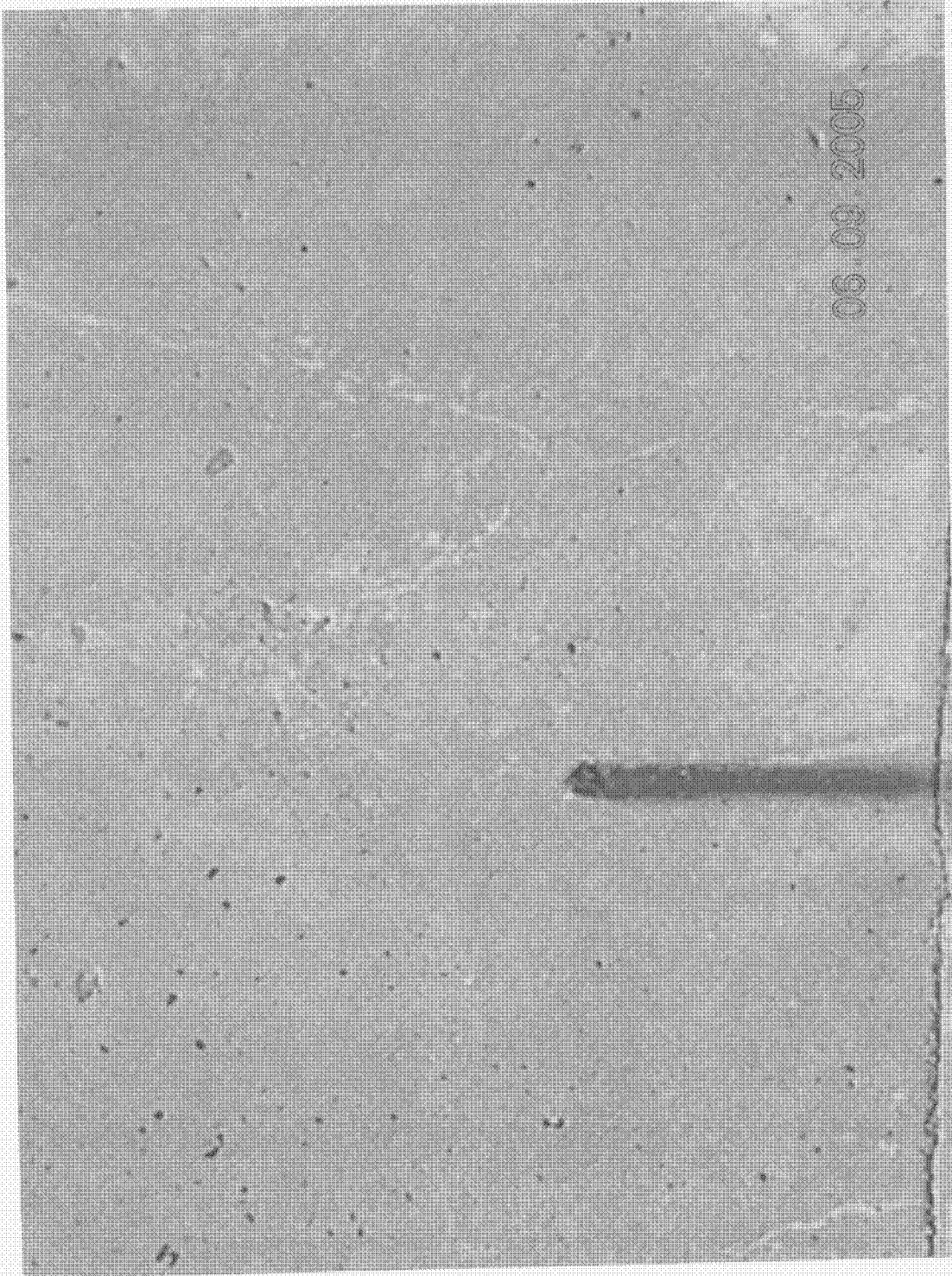


06.09.2005

U3-066092

IWL-068-006





06.09.2005

U3-066094

IWL-068-006

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 37 of 124**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 13 Zone No: 001 Drawing No.: \_\_\_\_\_Description: El. 88 - El. 108 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	2

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
Print/Signature/Level Print/Signature/Level**Responsible Engineer Review:**Acceptable : Yes  No  (Detailed VT-1 Examination Required Attachment 7.3)

Comments: \_\_\_\_\_

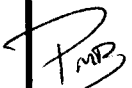
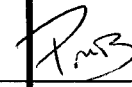
RE Signature Richard Drake *Richard Drake* Date: 7/14/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 13

ZONE No: 001

No.	Comment	Initials
1	Minor cracks; leaching; scaling and joint spalling – all minor.	
2	Numerous bugholes and areas of discoloration.	

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-05-IWL-001

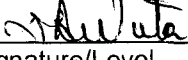

Component No.: VCC - 14 Zone No: 002 Drawing No.: \_\_\_\_\_

Description: El. 88 – El. 108 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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

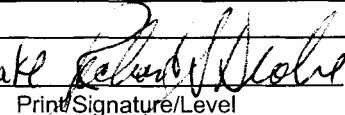
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**

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

Comments: \_\_\_\_\_

RE Signature Richard Dake  Date: 7/14/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 14

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking – all minor.	<i>PMB</i>
2	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	<i>PMB</i>

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

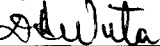

Component No.: VCC - 15 Zone No: 003 Drawing No.: \_\_\_\_\_

Description: El. 88 – El. 108 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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

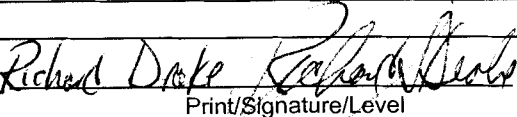
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
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: 7/19/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 15

ZONE No: 003

No.	Comment	Initials
1	Numerous bugholes; leaching; spalling and cracking -- all minor.	PMB
2	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 43 of 124

Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 16 Zone No.: 004 Drawing No.: \_\_\_\_\_

Description: EI. 88 – EI. 108 Work Order No.: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: \_\_\_\_\_

RE Signature Richard Dale *Richard Dale* Date: 7/14/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 16

ZONE No: 004

No.	Comment	Initials
1	Minor cracks due to shrinkage; leaching; scaling and spalling – all minor	<i>TRB</i>

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 45 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 17 Zone No: 005 Drawing No.: \_\_\_\_\_Description: EI. 88 – EI. 108 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Drake* Date: 7/14/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
 Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. :          VCC - 17

ZONE No:       005      

No.	Comment	Initials
1	Numerous bugholes, minor vertical and joint cracks; leaching; scaling and spalling – all minor.	<i>PMB</i>
2	The majority of this component is un-accessible.	<i>PMB</i>

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 47 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 18 Zone No: 006 Drawing No.: \_\_\_\_\_Description: El. 88 – El. 108 Work Order No: IP3-03-22881Equipment 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"/>	2
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
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"/>	2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	2

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

Examined By: D. Nuta *[Signature]* Date: 7/11/05 Examined By: P. Bower *[Signature]* Date: 7/11/05  
 Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**Acceptable : Yes  No  (Detailed VT-1 Examination Required Attachment 7.3)**Comments:** \_\_\_\_\_

RE Signature: *[Signature]* Date: 7/19/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 18

ZONE No: 006

No.	Comment	Initials
1	Exposed metal tip, roughly 1" dia, flush to concrete surface with a 5' long rust streak. See photos U3-066093 and U3-066094	<i>PMB</i>
2	Minor pattern cracking; leaching; scaling (less than 4" diameter area); bugholes; roughly 5'x5' area of discoloration; joint spalling and abrasion areas - all minor.	<i>PMB</i>
3	Small popouts with rust and staining.	



Entergy

IPEC

IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 49 of 124

Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 19 Zone No: 001 Drawing No.: \_\_\_\_\_

Description: El. 108 – El. 128 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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: 7/14/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 19

ZONE No: 001

No.	Comment	Initials
1	Minor cracks and pattern cracking; numerous bugholes; leaching; scaling and spalling – all minor.	PMB
2	Area of exposed aggregate due to joint spalls, and areas of discoloration.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 51 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 20 Zone No: 002 Drawing No.: \_\_\_\_\_Description: EI. 108 - EI. 128 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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: 7/14/05  
 Print/Signature/Level

**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

**ANII Review:** Not Applicable Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 20

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking – all minor.	PMB
2	Minor spalls, approximately 1-3" long and less than 1/2" wide, some exposing rebar.	PMB
3	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 53 of 124**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 21 Zone No: 003 Drawing No.: \_\_\_\_\_Description: EI. 108 – EI. 128 Work Order No: IP3-03-22881Equipment 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input checked="" 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"/>	1,2,3
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,4

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Duke* Date: 7/14/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable Date: \_\_\_\_\_  
Print/Signature

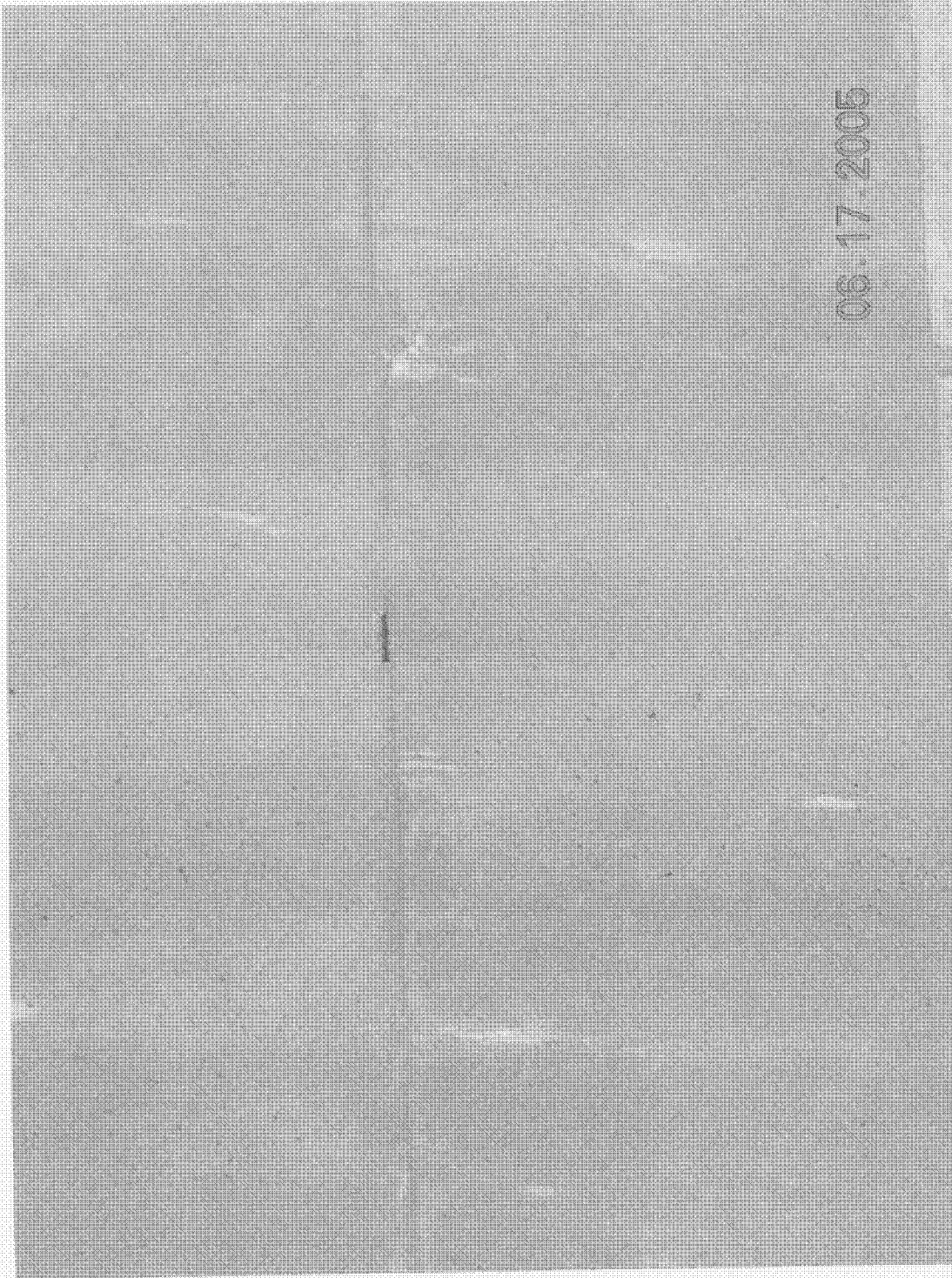


**FORM VT - 3C**  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 21

ZONE No: 003

No.	Comment	Initials
1	Numerous bugholes; leaching; spalling and cracking - all minor.	PMB
2	6" long exposed rebar, roughly 1/2" wide, with rust and staining due to spalling at El. 118. See photos U3-036171 and U3-036172	PMB
3	Partial spall, less than 3" diameter, with surrounding minor popouts, 1/2" diameter, with visible rust.	PMB
4	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB



06.17.2005

U3-036171

IWL-108-003



06.17.2005

U3-036172

IWL-108-003



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 57 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 22 Zone No: 004 Drawing No.: \_\_\_\_\_

Description: El. 108 – El. 128 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/14/05  
 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 *Richard Drake* Date: 7/14/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 22

ZONE No: 004

No.	Comment	Initials
1	Numerous bugholes, cracking; leaching; scaling and spalling - all minor.	TMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 59 of 124**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 23 Zone No: 005 Drawing No.: \_\_\_\_\_Description: EI. 108 – EI. 128 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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* *Richard Duke* Date: 7/14/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

IPEC00194433

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 23

ZONE No: 005

No.	Comment	Initials
1	Numerous bugholes; cracking; leaching; scaling and spalling - all minor.	PMB
2	The majority of this component is un-accessible.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 61 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 24 Zone No: 006 Drawing No.: \_\_\_\_\_Description: El. 108 – El. 128 Work Order No: IP3-03-22881Equipment 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,4
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,5
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Exposed reinforcing steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Drake* Date: 7/15/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. :                     VCC - 24

ZONE No:           006

No.	Comment	Initials
1	General pattern cracking, joint cracking, scaling, bugholes, abrasion, leaching, and spalling.	PMB
2	Exposed rebar tips with rust and staining due to popouts between El. 113 and El. 118.	PMB
3	Exposed embedded pipes with rust stains running vertically down. This area has remained unchanged since previous inspections.	PMB
4	Voids from unfilled form tie holes between El. 118 and El. 123.	PMB
5	Incipient spall, less than 4" in size, between El. 123 and El. 128.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 63 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 25 Zone No: 001 Drawing No.: \_\_\_\_\_Description: El. 128 – El. 148 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,3

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Duke* Date: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 25

ZONE No: 001

No.	Comment	Initials
1	Minor cracks and pattern cracking; areas of discoloration; numerous bugholes; leaching; scaling and joint spalling - all minor.	PMB
2	Four vertical joint spalls with exposed aggregate.	PMB
3	Area of brown discoloration (approximately 3' long by 8" wide).	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 65 of 124**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-05-IWL-001Component No.: VCC - 26 Zone No: 002 Drawing No.: \_\_\_\_\_Description: EI. 128 - EI. 148 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3,4
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,5

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

Examined By: D. Nuta D. Nuta Date: 7/11/05 Examined By: P. Bower P. B Date: 7/11/05  
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 Richard Drake Date: 7/15/05  
Print/Signature/Level Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 26

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking - all minor.	PMB
2	Joint spalling, approximately 4" long by 1/2" wide, at El. 138.	PMB
3	Diagonal spalls, all less than 3" long by 1/2" wide, between El. 133 and El. 138.	PMB
4	3" x 1" spall at El. 143.	PMB
5	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 67 of 124

Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-05-IWL-001

Component No.: VCC - 27 Zone No: 003 Drawing No.: \_\_\_\_\_

Description: EI. 128 – EI. 148 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,4
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"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,5

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Duke* Date: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 27

ZONE No: 003

No.	Comment	Initials
1	Numerous bugholes; leaching; spalling and cracking – all minor.	PMB
2	Area of spalling, 2"x4"x1/2" deep.	PMB
3	Exposed tip of rebar, 1 1/2" x 1" area, due to a spall with visible rust and staining.	PMB
4	Joint crack and partial spall with a 1' long vertical crack at El. 128.	PMB
5	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001  
 Component No.: VCC - 28 Zone No: 004 Drawing No.: \_\_\_\_\_  
 Description: EI. 128 – EI. 148 Work Order No: IP3-03-22881  
 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Drake* Date: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 28

ZONE No: 004

No.	Comment	Initials
1	Numerous bugholes, cracking; leaching; scaling and spalling - all minor.	IMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

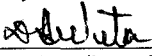
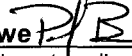
Component No.: VCC - 29 Zone No: 005 Drawing No.: \_\_\_\_\_

Description: El. 128 – El. 148 Work Order No: IP3-03-22881

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3
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

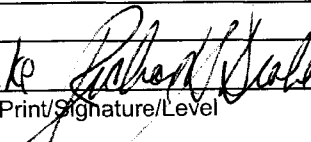
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
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: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 29

ZONE No: 005

No.	Comment	Initials
1	Bugholes throughout; minor cracking due to shrinkage; leaching; scaling and spalling; popouts - all minor. This component has remained unchanged since previous inspection.	PMB
2	Visible rust stains from cage ladder support.	PMB
3	20" long joint crack at El. 133 and a 6' long joint crack at El. 138.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 73 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-05-IWL-001Component No.: VCC - 30 Zone No: 006 Drawing No.: \_\_\_\_\_Description: El. 128 – El. 148 Work Order No: IP3-03-22881Equipment 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
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: D. Nuta [Signature] Date: 7/11/05 Examined By: P. Bowe [Signature] Date: 7/11/05  
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 [Signature] Date: 7/15/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

IPEC00194447

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 30

ZONE No: 006

No.	Comment	Initials
1	Bugholes throughout; minor cracking due to shrinkage; leaching; scaling and spalling; popouts - all minor.	<i>PMR</i>
2	Vertical cracks 5' long and 3-5 feet o/c between El. 133 and El. 138.	<i>PMR</i>

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

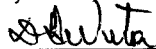

Attachment 8.2 Page 75 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 31 Zone No: 001 Drawing No.: \_\_\_\_\_Description: El. 148 – El. 168 Work Order No: IP3-03-22881Equipment 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3</b>
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"/>	<b>1,2,4</b>
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>1,2</b>
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"/>	<b>1</b>

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

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
 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: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature

IPEC00194449

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 31

ZONE No: 001

No.	Comment	Initials
1	Vertical cracking and pattern cracking; numerous bugholes; areas of discoloration and joint spalls – all minor.	PMB
2	Diagonal crack, approximately 9' long, with a section of spalling, approximately 4' long.	PMB
3	Numerous 1" diameter voids, roughly ½" deep, without rust or staining.	PMB
4	Joint spall with aggregate exposed.	PMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

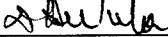
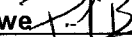
Component No.: VCC - 32 Zone No: 002 Drawing No.: \_\_\_\_\_

Description: El. 148 – El. 168 Work Order No: IP3-03-22881

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 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
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
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"/>	1,3

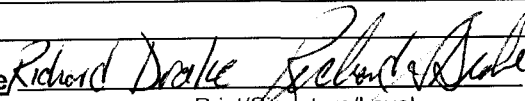
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
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: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level



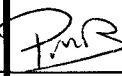
ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 32

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking – all minor.	
2	8' long joint spall and cracking at El. 148.	
3	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 79 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 33 Zone No: 003 Drawing No.: \_\_\_\_\_Description: EI. 148 – EI. 168 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Duke* Date: 7/15/05  
 Print/Signature/Level

**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

**ANII Review:** Not Applicable Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 33

ZONE No: 003

<b>No.</b>	<b>Comment</b>	<b>Initials</b>
1	Numerous bugholes; leaching; spalling and cracking - all minor.	TMR
2	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	TMR

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 81 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 34 Zone No: 004 Drawing No.: \_\_\_\_\_Description: El. 148 – El. 168 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Duke* Date: 7/15/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

IPEC00194455

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. :                      VCC - 34

ZONE No: 004

No.	Comment	Initials
1	Numerous bugholes, cracking; leaching; scaling and spalling – all minor.	

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

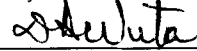

Component No.: VCC - 35 Zone No: 005 Drawing No.: \_\_\_\_\_

Description: El. 148 – El. 168 Work Order No: IP3-03-22881

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Scaling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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
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

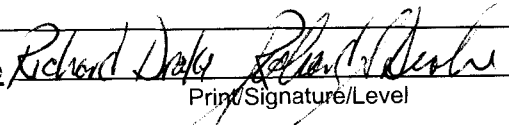
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**

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

**Comments:** \_\_\_\_\_

**RE Signature**  Date: 7/15/05  
Print/Signature/Level

**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

**ANII Review:** Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 35

ZONE No: 005

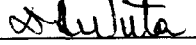
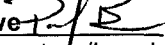
No.	Comment	Initials
1	Bugholes throughout; minor cracking due to shrinkage; leaching; scaling and spalling; popouts – all minor.	PMB
2	Large areas of pitting/abrasion.	PMB
3	Visible rust stains from cage ladder support.	PMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001  
 Component No.: VCC - 36 Zone No: 006 Drawing No.: \_\_\_\_\_  
 Description: EI. 148 – EI. 168 Work Order No: IP3-03-22881  
 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"/>	<b>2</b>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>3</b>
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"/>	<b>1</b>
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>1</b>
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"/>	<b>1</b>


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

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
 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: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level



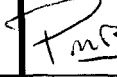
ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 36

ZONE No: 006

No.	Comment	Initials
1	Numerous bugholes; vertical cracks (some greater than 5 ft. long); joint cracking and spalling; pattern cracking – all minor.	
2	Areas of pattern discoloration, possibly from pattern cracks that opened during pressurization of containment releasing calcium and then closing.	
3	Minor popouts (less than 3" dia. and 1" deep) and small diameter voids (deeper than the typical bughole).	



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 87 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 37 Zone No: 001 Drawing No.: \_\_\_\_\_

Description: EI. 168 – EI. 188 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Drake* Date: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 37

ZONE No: 001

No.	Comment	Initials
1	Minor cracks; bugholes; areas of discoloration; leaching - all minor.	PMB
2	Joint cracking with spalls, some exposing aggregate.	PMB

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 89 of 124**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 38 Zone No: 002 Drawing No.: \_\_\_\_\_Description: EI. 168 – EI. 188 Work Order No: IP3-03-22881Equipment 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,3

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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* *Richard Drake* Date: 7/15/05  
Print/Signature/LevelSite Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/LevelANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 38

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking – all minor.	PMB
2	Vertical joint spall, approximately 3" long, at El. 178.	PMB
3	Partial spall of grouted area, approximately 3"x1/2", at El. 183.	PMB
4	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	PMB



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 91 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 39 Zone No: 003 Drawing No.: \_\_\_\_\_

Description: El. 168 – El. 188 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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* *Richard Drake* Date: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 39

ZONE No: 003

No.	Comment	Initials
1	Numerous bugholes; leaching; spalling and cracking – all minor.	<i>PMB</i>
2	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90'.	<i>PMB</i>



IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0  
Attachment 8.2 Page 93 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0  
CONTAINMENT INSERVICE INSPECTION  
RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-05-IWL-001

Component No.: VCC - 40 Zone No.: 004 Drawing No.: \_\_\_\_\_

Description: El. 168 – El. 188 Work Order No.: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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 type="checkbox"/>	<input checked="" 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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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 *Richard Drake* Date: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 40

ZONE No: 004

No.	Comment	Initials
1	Numerous bugholes, cracking; leaching; scaling and spalling - all minor.	PMS

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 41 Zone No: 005 Drawing No.: \_\_\_\_\_

Description: EI. 168 – EI. 188 Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
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"/>	2
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 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 *Richard Drake* Date: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: Not Applicable Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 41

ZONE No: 005

No.	Comment	Initials
1	Not a smooth surface – pebbles exposed due to original vibration issues; non-active leaching.	PMB
2	Minor spalling, pattern cracking, joint cracking, and scaling throughout component.	PMB
3	Line of rust spots and staining between El. 168 and El. 178.	PMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

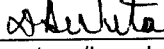
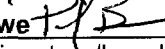
Component No.: VCC - 42 Zone No: 006 Drawing No.: \_\_\_\_\_

Description: El. 168 – El. 188 Work Order No: IP3-03-22881

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"/>	1,2
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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,4
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,5

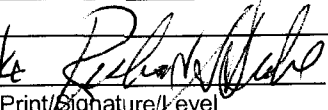
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
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: 7/15/05  
Print/Signature/Level




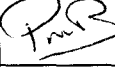

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. :                      VCC - 42

ZONE No: 006

No.	Comment	Initials
1	Numerous bugholes; leaching; pattern cracking and vertical cracking – all minor.	
2	Incipient spall, approximately 9" long arc, with leaching and small popouts surrounding the area.	
3	Several 1" diameter voids/popouts near right edge of zone.	
4	Area of spalling over 2' long on form joint.	
5	Exposed aggregate due to loss of cement matrix from original over vibration, roughly 3' long.	

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

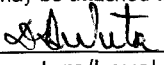
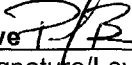
Component No.: VCC - 43 Zone No: 001 Drawing No.: \_\_\_\_\_

Description: Dome Work Order No: IP3-03-22881

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,2
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
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: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**

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

**Comments:** \_\_\_\_\_

**RE Signature**  Date: 7/15/05  
Print/Signature/Level

**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

**ANII Review:** Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO.: VCC - 43

ZONE No: 006

No.	Comment	Initials
1	Numerous bugholes; leaching; localized spall areas; joint spalls with exposed aggregate and popouts – all minor.	PMB
2	Horizontal cracks with spalling and a diagonal crack, approximately 3' long, with spalling.	PMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

Component No.: VCC - 44 Zone No: 002 Drawing No.: \_\_\_\_\_

Description: Dome Work Order No: IP3-03-22881

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,3
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3
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: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
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* *Richard Duke* Date: 7/15/05  
Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature



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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 44

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes; leaching and vertical cracking – all minor.	TMB
2	Cracking and spalling with exposed aggregate at cylinder to dome interface.	TMB
3	Joint cracking and spalling with exposed aggregate over 10' long section at El. 198.	TMB

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001

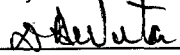

Component No.: VCC - 45 Zone No: 003 Drawing No.: \_\_\_\_\_

Description: Dome Work Order No: IP3-03-22881

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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

Examined By: D. Nuta  Date: 7/11/05 Examined By: P. Bowe  Date: 7/11/05  
Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**

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

**Comments:** \_\_\_\_\_

**RE Signature**  Date: 7/15/05  
Print/Signature/Level


**Site Level III Review:** \_\_\_\_\_ Date: \_\_\_\_\_  
Print/Signature/Level

**ANII Review:** Not Applicable Date: \_\_\_\_\_  
Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 45

ZONE No: 003

No.	Comment	Initials
1	Cracking and spalling with exposed aggregate at cylinder to dome interface.	

**IPEC**IP3 ASME Section XI, IWL  
Concrete Containment Inspection  
for 2005

IP-RPT-06-00013 Revision 0

Attachment 8.2 Page 105 of 124

**Attachment 7.2 of ENN-EP-S-003, Rev. 0**  
**CONTAINMENT INSERVICE INSPECTION**  
**RECORD OF VT-3 / GENERAL VISUAL EXAMINATION**

IPEC Unit: 3 Interval Period: 1<sup>st</sup>/2<sup>nd</sup> Inspection Inspection Report No.: IP3-O5-IWL-001Component No.: VCC - 46 Zone No: 004 Drawing No.: \_\_\_\_\_Description: Dome Work Order No: IP3-03-22881Equipment 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"/>	1,2
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"/>	2
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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

Examined By: D. Nuta *D. Nuta* Date: 7/11/05 Examined By: P. Bowe *P. Bowe* Date: 7/11/05  
 Print/Signature/Level Print/Signature/Level

**Responsible Engineer Review:**Acceptable : Yes  No  (Detailed VT-1 Examination Required Attachment 7.3)**Comments:** \_\_\_\_\_

RE Signature *Richard Dake* *Richard Dake* Date: 7/15/05  
 Print/Signature/Level

Site Level III Review: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature/Level

ANII Review: \_\_\_\_\_ Not Applicable \_\_\_\_\_ Date: \_\_\_\_\_  
 Print/Signature

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

STATION/UNIT: IPEC / Indian Point No. 3      COMPONENT NO. : VCC - 46

ZONE No: 004

No.	Comment	Initials
1	Vertical spall at form joint with the following dimensions: 1' long x 1" wide x 1" deep	<i>PMB</i>
2	Cracking and spalling with exposed aggregate at cylinder to dome interface.	<i>PMB</i>
3	Rust stains from lightning arresters.	<i>PMB</i>