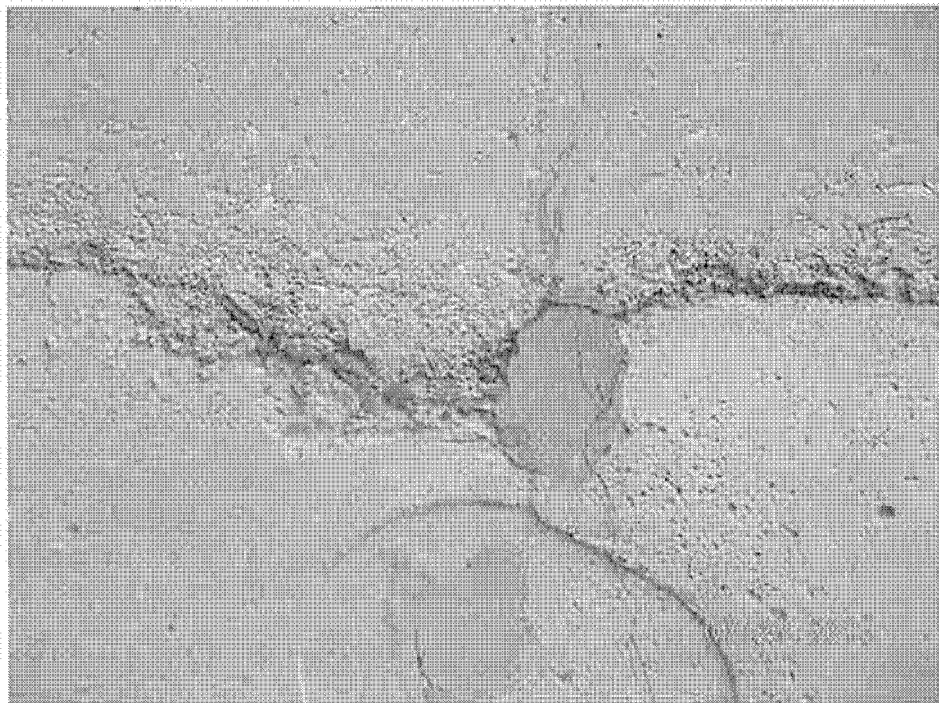




IWL-068-003

U3-037284



IWL-068-003

U3-037285

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

Plant: IPEC - Unit 3 **Interval Period:** 1st/3rd Inspection **Inspection Report No.:** IP3-09-IWL-001
Component No: VCC-10 **Zone No:** 004 **Drawing No.:** ISI-IWL-001
Description: El. 68' - El. 88' **Work Order No:** 138856
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"/> | 3,4 |
| 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 |
| Corrosion staining on concrete surfaces | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3 |
| Cracks | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1,2 |
| Exposed reinforcing steel | <input type="checkbox"/> | <input 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 (bugholes, drop-in anchor sleeves) | <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: P. Bowe / *[Signature]* **Date:** 12/10/09 **Examined By:** J. Skonieczny / *[Signature]* **Date:** 12-16-09
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # A & B FROM FIGURE 1 ON PG. 20.

RE Signature: R. Drake / *[Signature]* **Date:** 1-6-10
 Print/Signature/Level

Site Level III Review: N/A **Date:** _____
 Print/Signature/Level

ANII Review: *[Signature]* / ASSET **Date:** 4/15/10
 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 and all previously identified. | PMB |
| 2 | Large pattern cracking over 5' x 5' area (previously identified). | PMB |
| 3 | 1-1/2" dia. pop-out with rust staining, visible between Fan House and Containment. See photo U3-047281. | PMB |
| 4 | 2" dia. pop-out exposing steel with surface corrosion, visible between Fan House and Containment. See photo U3-047282. | PMB |
| 5 | Seven 1/2" diameter drop-in anchor sleeves with no evidence of corrosion, visible between Fan House and Containment. | PMB |
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IPEC

IP-RPT-09-00069

REV. 0

Page 54 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



U3-047281

IWL-068-004



IPEC

IP-RPT-09-00069

REV. 0

Page 55 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



U3-047282

IWL-068-004

| | | | |
|--|-------------|-----------------|--------|
| | IPEC | IP-RPT-09-00069 | REV. 0 |
| | | Page 56 of 192 | |
| IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009 | | | |

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

Plant: IPEC – Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001

Component No: VCC-12 Zone No: 006 Drawing No.: ISI-IWL-001

Description: El. 68' – El. 88' Work Order No: 138856

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 (bugholes, pipe inserts) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2,5,3 |

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

Examined By: P. Bowe Date: 12/8/09 Examined By: J. Skonieczny Date: 12-16-09
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # B 11 FROM FIGURE 1 ON PAGE 20

RE Signature: R. Drake Date: 1-7-10
Print/Signature/Level

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

ANII Review: [Signature] Date: 4/15/10
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' x 5', between El. 83 and El. 88. (Previously identified) | <i>PMB</i> |
| 2 | General bugholes, pattern cracking, discoloration, and leaching – all minor and identified previously. | <i>PMB</i> |
| 3 | Sixteen 1" dia. pipe inserts protruding 1" from containment surface located under the equipment hatch. Identified previously in 2001. See photo U3-067284. | <i>PMB</i> |
| 4 | Three 1" pipe inserts previously identified in 2001 with no change. See photo U3-067283. | <i>PMB</i> |
| 5 | Two 1" locations with minimal coverage over rebar developing rust staining visible from catwalk leading to ground elevation under equipment hatch. | <i>PMB</i> |
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IP-RPT-09-00069

REV. 0

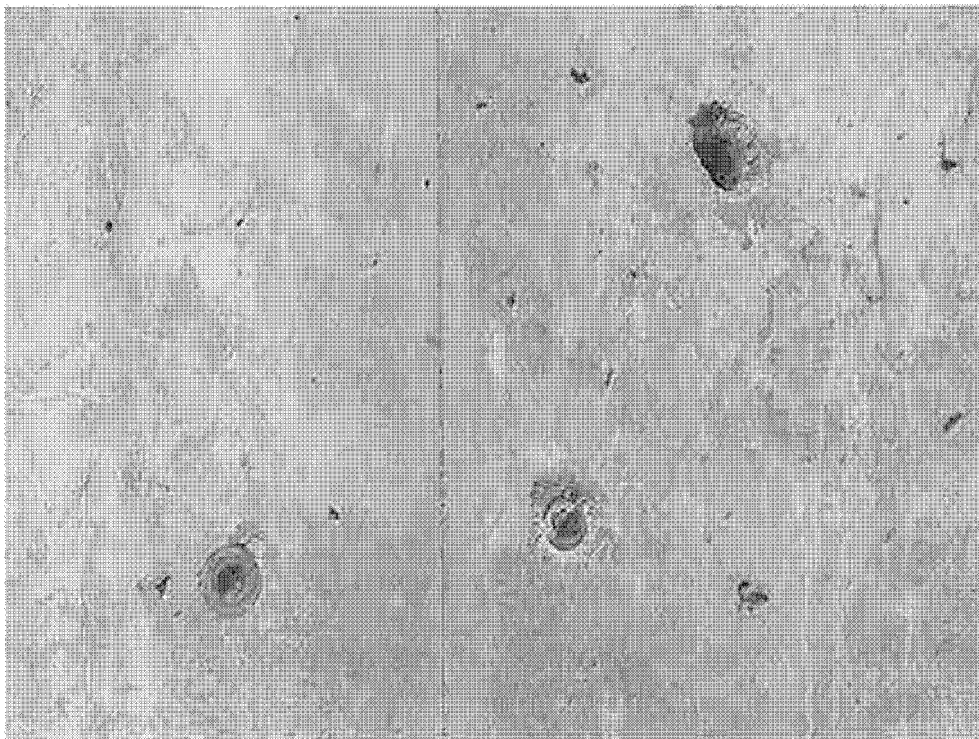
Page 58 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

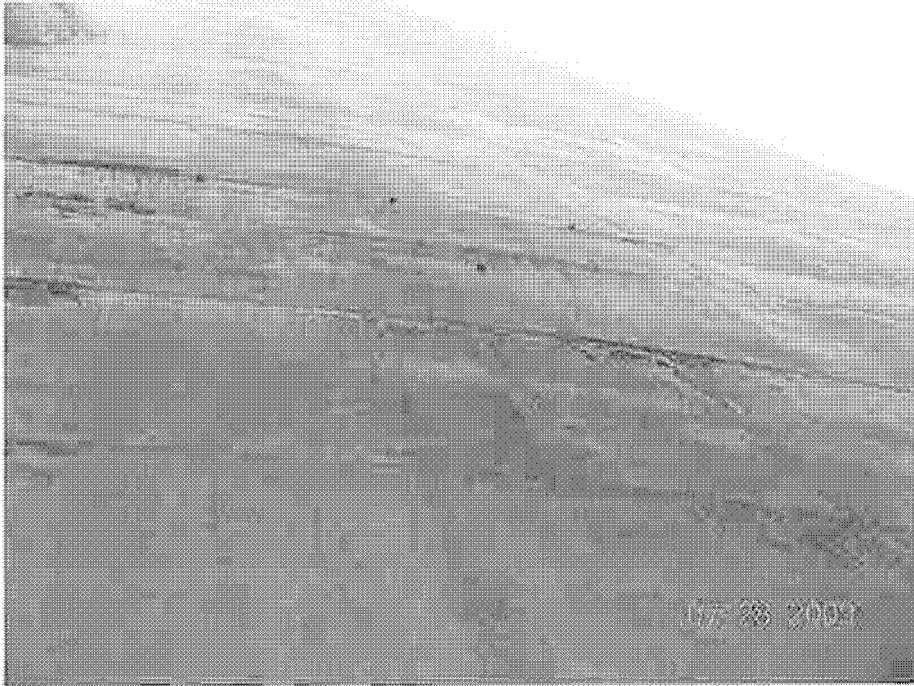


IWL-088-001

U3-067283

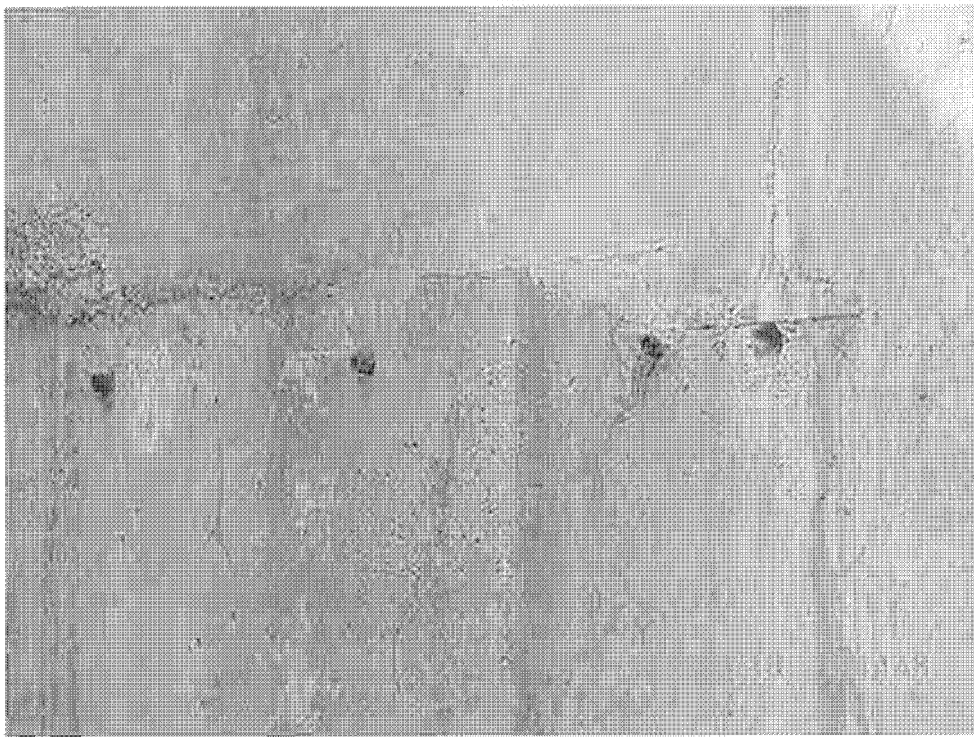


2001 Inspection Photo



IWL-068-006

U3-067284



2001 Inspection Photo

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

Plant: IPEC - Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001

Component No: VCC-13 Zone No: 001 Drawing No.: ISI-IWL-001

Description: El. 88' - El. 108' Work Order No: 138856

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 (bugholes) | <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: P. Bowe / [Signature] / Level Date: 12/8/09 Examined By: J. Skonieczny / [Signature] / Level Date: 12-16-09

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 9 FROM FIGURE 1 ON PG. 20.

RE Signature: R. Drake / [Signature] / Level Date: 1-9-10

Site Level III Review: N/A / [Signature] / Level Date: _____

ANII Review: [Signature] / [Signature] / Level Date: 4/15/10



IPEC

IP-RPT-09-00069

REV. 0

Page 61 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

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 spalling - all minor and previously identified | PMB |
| 2 | Numerous bugholes and areas of discoloration (previously identified). | PMB |
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CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3/GENERAL VISUAL EXAMINATION

Plant: IPEC – Unit 3 **Interval Period:** 1st/3rd Inspection **Inspection Report No.:** IP3-09-IWL-001
Component No: VCC-14 **Zone No:** 002 **Drawing No.:** ISI-IWL-001
Description: El. 88' – El. 108' **Work Order No:** 138856
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 (bugholes) | <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: P. Bowe /  / Level **Date:** 12/8/09 **Examined By:** J. Skonieczny /  / Level **Date:** 12-16-09

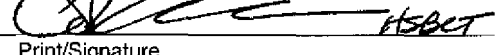
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 1 & 2 FROM FIGURE 1 ON PG. 20

RE Signature: R. Drake /  / Level **Date:** 1-9-10

Site Level III Review: N/A **Date:** _____
 Print/Signature/Level

ANII Review:  / Level **Date:** 4/15/10



IPEC

IP-RPT-09-00069

REV. 0

Page 63 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

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


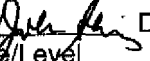
| No. | Comment | Initials |
|-----|--|----------|
| 1 | Numerous bugholes, leaching and vertical cracking - all minor and previously identified. | PMB |
| 2 | Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90' (previously identified). | PMB |
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CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3/GENERAL VISUAL EXAMINATION

Plant: IPEC – Unit 3 **Interval Period:** 1st/3rd Inspection **Inspection Report No.:** IP3-09-IWL-001
Component No: VCC-15 **Zone No:** 003 **Drawing No.:** ISI-IWL-001
Description: El. 88' – El. 108' **Work Order No:** 138856
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 (bugholes) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1,2 |

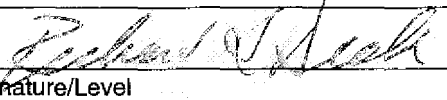
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: P. Bowe /  / Level **Date:** 12/16/09 **Examined By:** J. Skonieczny /  / Level **Date:** 12-16-09

Responsible Engineer Review:

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

Comments: VANTAGE POINT #2, 3, & 4 FROM FIGURE 1 ON PG. 20.

RE Signature: R. Drake /  / Level **Date:** 1-7-10

Site Level III Review: N/A **Date:** _____
 Print/Signature/Level

ANII Review:  / Level **Date:** 4/15/10

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 and previously identified. | PMB |
| 2 | Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90' (previously identified). | PMB |
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CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3/GENERAL VISUAL EXAMINATION

Plant: IPEC - Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001

Component No: VCC-16 Zone No: 004 Drawing No.: ISI-IWL-001

Description: El. 88' - El. 108' Work Order No: 138856

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: P. Bowe / [Signature] Date: 12/10/09 Examined By: J. Skonieczny / [Signature] Date: 12-16-09
 Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 4 & 6 FROM FIGURE 1 ON PG 20

RE Signature: R. Drake / [Signature] Date: 1-7-10
 Print/Signature/Level

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

ANII Review: [Signature] Date: 4/15/10
 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 and previously identified. | <i>AMB</i> |
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CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3/GENERAL VISUAL EXAMINATION

Plant: IPEC - Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001

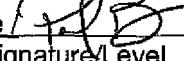

Component No: VCC-17 Zone No: 005 Drawing No.: ISI-IWL-001

Description: El. 88' - El. 108' Work Order No: 138856

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 (bugholes) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1 |

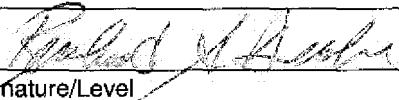
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: P. Bowe  Date: 12/10/09 Examined By: J. Skonieczny  Date: 12-16-09
 Print/Signature/Level Print/Signature/Level

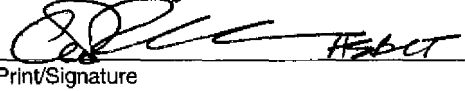
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 7 FROM FIGURE 1 ON PG. 20

RE Signature: R. Drake  Date: 1-7-10
 Print/Signature/Level

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

ANII Review:  Date: 4/15/10
 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, vertical and joint cracks, leaching, scaling and spalling – all minor and previously identified. | PMB |
| 2 | The majority of this component is inaccessible. | PMB |
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IP-RPT-09-00069

REV. 0

Page 70 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3/GENERAL VISUAL EXAMINATIONPlant: IPEC – Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001Component No: VCC-18 Zone No: 006 Drawing No.: ISI-IWL-001Description: El. 88' – El. 108' Work Order No: 138856Equipment 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 (bugholes, exposed miscellaneous steel) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2,4,5 |

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

Examined By: P. Bowe / [Signature] / Level Date: 12/10/09 Examined By: J. Skonieczny / [Signature] / Level Date: 12-16-09**Responsible Engineer Review:**Acceptable: Yes No (Detailed VT-1 Examination Required Attachment 7.3)Comments: VANTAGE POINT #B 9 11 FROM FIG. 1 ON PG. 20RE Signature: R. Drake / [Signature] / Level Date: 1-7-10Site Level III Review: N/A / [Signature] / Level Date: _____ANII Review: [Signature] / ASPECT / Level Date: 4/15/10



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 1-1/2" dia., flush to concrete surface with a 5' long rust streak at El. 95. Update: Condition was found to be the same since the previous inspection and then coated in 2009 to prevent further corrosion. See photo U3-067281 and indication #1 of Attachment 8.5 for before and after photo. | PMB |
| 2 | Minor pattern cracking, leaching, scaling (less than 4" diameter area), bugholes, roughly 5'x5' area of discoloration, joint spalling and areas with abrasion - all minor and previously identified. | PMB |
| 3 | Small pop outs with rust and staining (previously identified). | PMB |
| 4 | Exposed embedded steel plate, approximately 2" x 4", with surface rust and staining at El. 98. Area coated in 2009 to prevent future corrosion. See indication #3 of Attachment 8.5 for before and after photos. | PMB |
| 5 | Two small exposed metal inserts with minimal rust and staining between El. 93'-0" and El. 98'-0". See indication #2 of Attachment 8.5 for before and after photos. | PMB |
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IPEC

IP-RPT-09-00069

REV. 0

Page 72 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



IWL-088-006

U3-067281



2001 Inspection Photos

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

Plant: IPEC – Unit 3 **Interval Period:** 1st/3rd Inspection **Inspection Report No.:** IP3-09-IWL-001
Component No: VCC-19 **Zone No:** 001 **Drawing No.:** ISI-IWL-001
Description: El. 108' – El. 128' **Work Order No:** 138856
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 (bugholes) | <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: P. Bove **Date:** 12/10/09 **Examined By:** J. Skonieczny **Date:** 12-16-09
Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 9, 10, & 11 FROM FIG. 1 ON PG. 20

RE Signature: R. Drake **Date:** 1-7-10
Print/Signature/Level

Site Level III Review: N/A **Date:** _____
Print/Signature/Level

ANII Review: **Date:** 4/15/10
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 | Pattern cracking, numerous bugholes, leaching, scaling and spalling - all minor and previously identified. | PMB |
| 2 | Area of exposed aggregate due to joint spalls and areas of discoloration - all minor and previously identified. | PMB |
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IPEC

IP-RPT-09-00069

REV. 0

Page 75 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

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

Plant: IPEC – Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001

Component No: VCC-20 Zone No: 002 Drawing No.: ISI-IWL-001

Description: El. 108' – El. 128' Work Order No: 138856

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"/> | 2,4 |
| 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 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 (bugholes) | <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: P. Bowe Date: 12/10/09 Examined By: J. Skonieczny Date: 12-16-09
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 1 & 2 FROM FIG. 1 ON PG. 20

RE Signature: R. Drake Date: 1-9-10
Print/Signature/Level

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

ANII Review: Date: 4/15/10
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 and previously identified. | PMB |
| 2 | Minor spalls, approximately 1-3" long and less than 1/4" wide, some exposing small areas of rebar (previously identified). See photo U3-021211. | PMB |
| 3 | Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90' (previously identified). | PMB |
| 4 | Concrete separated indicating potential future spall of 6" x 3" area at El. 113'. See photo U3-027223. | PMB |
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IPEC

IP-RPT-09-00069

REV. 0

Page 77 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



12-31-2008

U3-021211

IWL-108-002



IPEC

IP-RPT-09-00069

REV. 0

Page 78 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



07.22.2009

U3-027223

IWL-108-002

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

Plant: IPEC – Unit 3 Interval Period: 1st/3rd Inspection Inspection Report No.: IP3-09-IWL-001
Component No: VCC-21 Zone No: 003 Drawing No.: ISI-IWL-001
Description: El. 108' – El. 128' Work Order No: 138856
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"/> | 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 (bugholes) | <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: P. Bowe / PB / PB Date: 12/10/09 Examined By: J. Skonieczny / JSkonieczny / JSkonieczny Date: 12-16-09
Print/Signature/Level Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 2, 3, 5 FROM FIG. 1 ON PG. 20

RE Signature: R. Drake / R. Drake / R. Drake Date: 1-9-10
Print/Signature/Level

Site Level III Review: N/A Date:
Print/Signature/Level

ANII Review: [Signature] / HSBCT / HSBCT Date: 4/15/10
Print/Signature



IPEC

IP-RPT-09-00069

REV. 0

Page 80 of 192

IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

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 and previously identified. | PMB |
| 2 | 7" long x 1/2" wide exposed steel bar with rust and staining due to spalling at El. 118 (previously identified). Update: The exposed metal was identified not to be reinforcing bar and has been coated for future protection against water intrusion and corrosion. See photo U3-037226 and indication #15 of Attachment 8.5 for before and after photos. | PMB |
| 3 | Partial spall, less than 3" diameter, with surrounding minor pop outs, 1/2" diameter, with visible rust (previously identified). | PMB |
| 4 | Reddish discoloration in both zones 2 and 3 over an area of roughly 20' x 90' (previously identified). | PMB |
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