

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


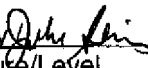
Component No: VCC-33 Zone No: 003 Drawing No.: ISI-IWL-001

Description: El. 148' – El. 168' 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	<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  Date: 12/10/09 Examined By: J. Skonieczny  Date: 12-16-09
 Print/Signature/Level Print/Signature/Level

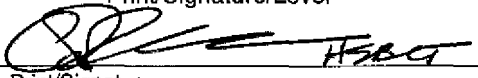
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 2 & 3 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 – 33

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

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-34 Zone No: 004 Drawing No.: ISI-IWL-001

Description: El. 148' – El. 168' 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"/>	2
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 / [Signature] Date: 12/11/09 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 FIG. 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



IPEC

IP-RPT-09-00069

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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 and previously identified.	<i>PMB</i>
2	Two small pop outs, 2" dia., at El. 158.	<i>PMB</i>

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-35 Zone No: 005 Drawing No.: ISI-IWL-001

Description: El. 148' - El. 168' 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 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: P. Bowe  Date: 12/10/09 Examined By: J. Skonieczny  Date: 12-16-09
 Print/Signature/Level Print/Signature/Level

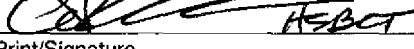
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 7 FROM 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 - 35

ZONE No: 005

No.	Comment	Initials
1	Bugholes throughout, cracking due to shrinkage, leaching, scaling, spalling, and pop outs - all minor and previously identified.	PMB
2	Large areas of pitting/abrasion with exposed aggregate (previously identified with no significant changes).	PMB
3	Visible rust stains from cage ladder support (previously identified).	PMB

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-36 Zone No: 006 Drawing No.: ISI-IWL-001
 Description: El. 148' – El. 168' 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"/>	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
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 / [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 # 8 & 11 FROM FIG. 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] / [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 - 36
 ZONE No: 006

No.	Comment	Initials
1	Numerous bugholes, vertical cracks (some greater than 5' long), joint/pattern cracking and spalling - all minor and previously identified.	PMB
2	Areas of pattern discoloration, possibly from pattern cracks that opened during pressurization of containment releasing calcium and then closing (previously identified with no significant changes).	PMB
3	Minor pop outs (less than 3" dia. and 1" deep) and small diameter voids (deeper than the typical bughole). Condition remains from previous inspections.	PMB

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

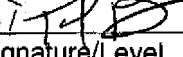
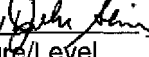
Component No: VCC-37 Zone No: 001 Drawing No.: ISI-IWL-001

Description: El. 168' - El. 188' 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
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 (bugholes)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

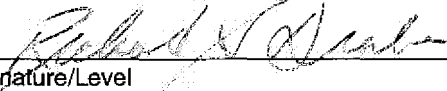
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

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 # 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

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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	Numerous bugholes, cracks, areas of discoloration, and leaching – all minor and previously identified.	PMB
2	Joint cracking with spalls, some exposing aggregate (previously identified with no significant changes).	PMB

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


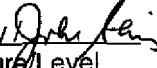
Component No: VCC-38 Zone No: 002 Drawing No.: ISI-IWL-001

Description: El. 168' – El. 188' 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"/>	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 (bugholes)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,4

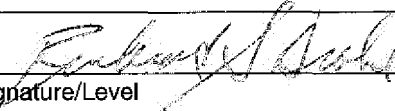
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

Examined By: P. Bowe  Date: 12/11/09 Examined By: J. Skonieczny  Date: 12-16-09
 Print/Signature/Level Print/Signature/Level

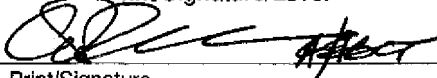
Responsible Engineer Review:

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: 1-7-10
 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 - 38

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes, leaching, and vertical cracking – all minor and previously identified.	PMB
2	Vertical joint spall, approximately 3" long, at El. 178 (previously identified with no significant changes).	PMB
3	Partial spall/pop out of grouted area, approximately 3" x 2" x 1/2", at El. 183 (previously identified with no significant changes). See photo U3-027226.	PMB
4	Reddish discoloration in both zones 2 and 3 over an area of roughly 20'x90' (previously identified).	PMB



IPEC

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REV. 0

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07.22.2009

U3-027226

IWL-168-002

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-39 Zone No: 003 Drawing No.: ISI-IWL-001

Description: El. 168' - El. 188' 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	<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 / [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 # 2 & 3 FROM FIG. 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 – 39

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

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-40 Zone No: 004 Drawing No.: ISI-IWL-001

Description: El. 168' - El. 188' 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 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: 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 # 4: 6 FROM FIG. 1 ON PG. 20

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

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

ANII Review: [Signature] / ASBCT / 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 – 40

ZONE No: 004

No.	Comment	Initials
1	Numerous bugholes, cracking, leaching, scaling and spalling – all minor and previously identified.	PMB
2	Exposed aggregate, approximately 8" x 4" area, at El. 173.	PMB

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-41 Zone No: 005 Drawing No.: ISI-IWL-001

Description: El. 168' - El. 188' 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"/>	2
Spalls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,4,5
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 (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. Bower  Date: 12/11/09 Examined By: J. Skonieczny  Date: 2-16-09
 Print/Signature/Level Print/Signature/Level

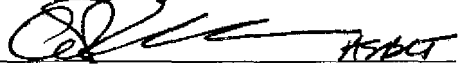
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 7 FROM 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 – 41

ZONE No: 005

No.	Comment	Initials
1	Not a smooth surface – pebbles exposed due to original vibration issues and non-active leaching. Conditions remain unchanged since previous inspections.	PMB
2	Minor spalling, pattern cracking, joint cracking, and scaling throughout component (previously identified).	PMB
3	Line of rust spots and staining between El. 168 and El. 178 (previously identified with no significant changes).	PMB
4	Small spall, approximately 2" x 3" x 1/2" deep, at El. 170.	PMB
5	Small spall, approximately 1 1/2" x 1" x 1/8" deep, at El. 183.	PMB

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	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-42 Zone No: 006 Drawing No.: ISI-IWL-001
 Description: El. 168' – El. 188' 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"/>	1,2
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 (bugholes)	<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: 2-16-09
 Print/Signature/Level

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

Comments: VAULTAGE POINT # B # 11 FROM FIG. 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 - 42

ZONE No: 006



No.	Comment	Initials
1	Numerous bugholes, leaching, pattern and vertical cracking – all minor and previously identified.	PMB
2	Pre-emergent “incipient” spall, approximately 9” long arc, with leaching and small pop outs surrounding the area (previously identified with no significant change).	PMB
3	Several 1” diameter voids/pop outs near right edge of zone (previously identified with no significant change).	PMB
4	Area of spalling over 2’ long on form joint (previously identified with no significant change).	PMB
5	Exposed aggregate due to loss of cement matrix from original over vibration, roughly 3’ long (previously identified with no significant change).	PMB

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-43 **Zone No:** 001 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	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"/>	1,2,5,7
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 (bugholes, exposed aggregate)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,4,6,8,9

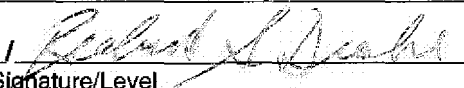
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

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

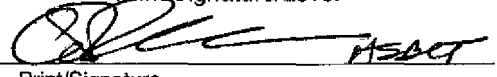
Responsible Engineer Review:

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

Comments: WARNING 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 – 43

ZONE No: 001

No.	Comment	Initials
1	Numerous bugholes, leaching, localized spall areas, joint spalls with exposed aggregate and pop outs – all minor and previously identified.	PMB
2	Horizontal cracks with spalling and a diagonal crack, approximately 3' long, with spalling (previously identified with no significant changes).	PMB
3	Exposed aggregate, 12" x 4" area, located 2 panels down and 1 to the right from the left lightning arrestor.	PMB
4	Exposed aggregate, 10" long x 2" wide (at widest location), located 5 th /4 th row down and third over from left border. Indication appears to be from original construction formwork spillage.	PMB
5	Spall, approximately 3" diameter x 1/2" deep, located 8 th row down and 7 th over from left border.	PMB
6	Two adjacent areas of exposed aggregate, approximately 12" x 4" and 9" x 2", located 5 panels up from spring line and 7 panels over from left border. See photo U3-017274. This photo represents a typical condition as described in the above comments.	PMB
7	Potential future spall, approximately 4" x 3" area, located 4 panels up from spring line and 9 over from left border.	PMB
8	Exposed aggregate, approximately 2' x 2" diagonal, located 2 panels up from spring line and 6 over from left border.	PMB
9	Exposed aggregate, approximately 6" x 8" area, located 2 panels down and 5 over from left border.	PMB



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REV. 0

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U3-017274


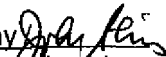
IWL-DM-001

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-44 **Zone No:** 002 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	2,3,5
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"/>	1,4

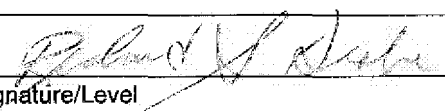
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.)

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

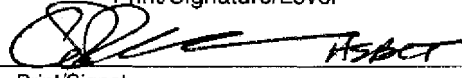
Responsible Engineer Review:

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

Comments: VANTAGE POINT # 1, 2, 12 FROM FIG. 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:  / ASBCT **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 – 44

ZONE No: 002

No.	Comment	Initials
1	Numerous bugholes, leaching and vertical cracking – all minor and previously identified.	PMB
2	Cracking and spalling with exposed aggregate at cylinder to dome interface (previously identified with no significant changes).	PMB
3	Joint cracking and spalling with exposed aggregate over 10' long section at El. 198 (previously identified with no significant changes).	PMB
4	Exposed aggregate, approximately 6" x 8" area, located 3 rd row up and 2 nd panel over from left boundary.	PMB
5	Joint spalling and separation near lightning arrestor. See photo U3-027228.	PMB
6	See photo U3-027227 for general view of dome in zone 2.	PMB



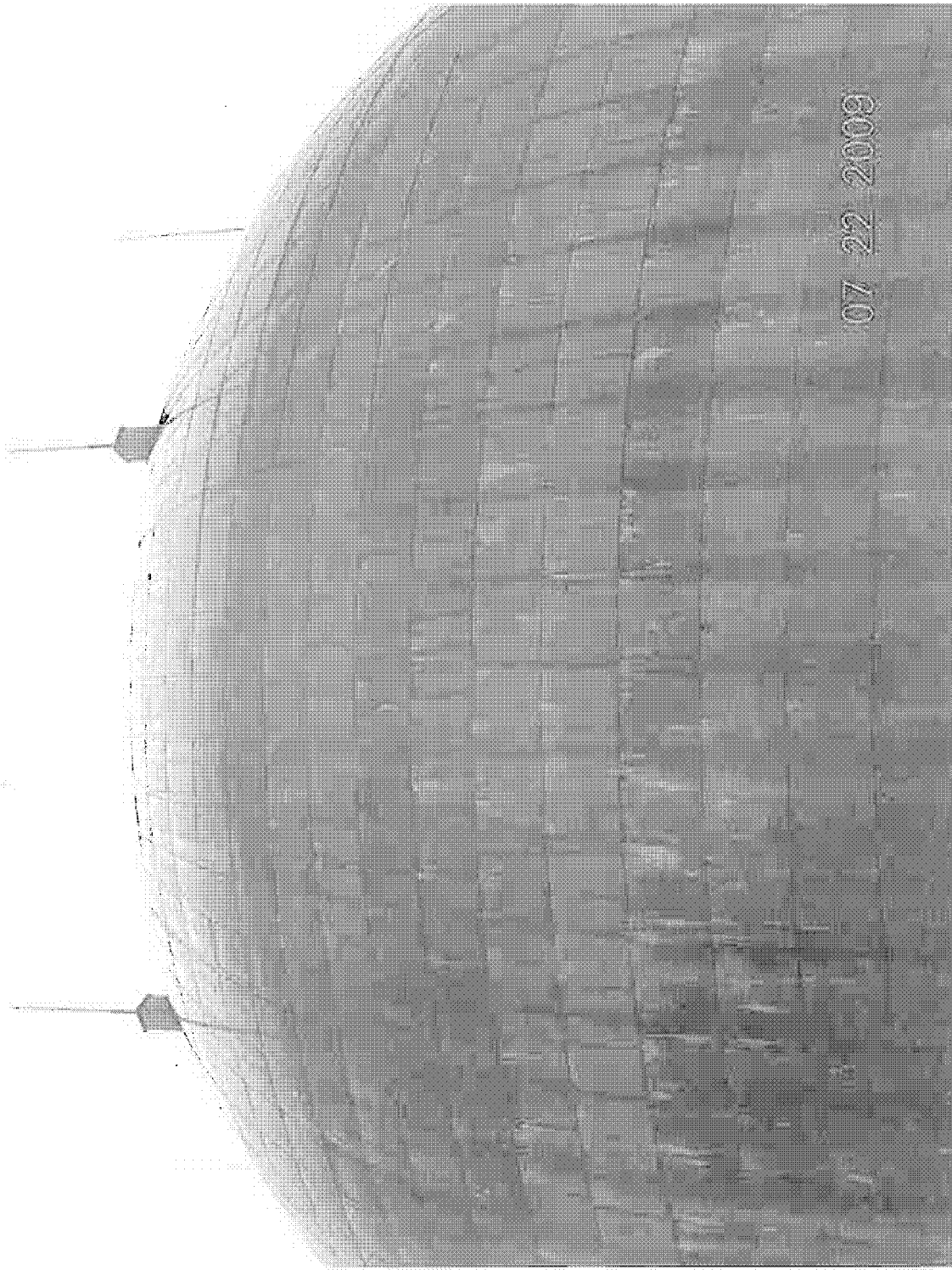
IPEC

IP-RPT-09-00069

REV. 0

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U3-027227

IWL-DM-002



IPEC

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REV. 0

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U3-027228

IWL-DM-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-45 **Zone No:** 003 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	3
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"/>	2

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

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

Responsible Engineer Review:

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

Comments: Vantage Point # 2, 3, 12 FROM FIG. 1 ON PG. 20 AND FROM MAN BASKET DURING CRANE ACTIVITY.

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 - 45

ZONE No: 003

No.	Comment	Initials
1	Cracking and spalling with exposed aggregate at cylinder to dome interface.	PMB
2	Panel at spring line bordering zone 4 is wavy and appears to stick out. See photo U3-037228.	PMB
3	General inactive leaching consistent throughout containment. See photo U3-037228.	PMB



IPEC

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REV. 0

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U3-037228

IWL-DM-003

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-46 **Zone No:** 004 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	4
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
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: P. Bowe / [Signature] **Date:** 12/10/09 **Examined By:** J. Skonieczny / [Signature] **Date:** 12-16-09
Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT #4 FROM FIG. 1 ON PG. 20 AND FROM MAN BASKET.

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] HSACT **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 - 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 (previously identified with no significant change).	PMB
2	Cracking and spalling with exposed aggregate at cylinder to dome interface (previously identified with no significant change).	PMB
3	Rust stains from lightning arresters (previously identified and all lightning arresters have been coated).	PMB
4	General inactive leaching consistent throughout containment. See photo U3-047231.	PMB



IPEC

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REV. 0

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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-47 **Zone No:** 005 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	1,6
Abrasion or erosion degradation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
Pop outs and voids	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,3,5,7
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"/>	1,3,4,5,6,7
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,4,6,7,9
Cracks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,2,3,4,5,6
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"/>	4,5

(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

Responsible Engineer Review:

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

Comments: VALVE POINT # 7 FROM FIG. 1 ON PG. 20 AND MAN BASKET

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] ASBET **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 – 47

ZONE No: 005

No.	Comment	Initials
1	First two rows of dome: Minor cracking due to shrinkage, pop outs, leaching, scaling and spalling – all minor, non-active and previously identified.	PMB
2	Vertical cracks 5' long and 5' o/c along the first row of the dome. This condition is consistent over the majority of the dome and previously identified with no significant change.	PMB
3	Third and fourth rows of dome: Joint cracking, spalling, staining from duct support steel and vertical cracks 5' long and 5' o/c – all minor and previously identified.	PMB
4	Fifth and sixth rows of dome: Joint cracking, vertical cracks, minor spalling, bugholes and staining from lightning arrester – all minor and previously identified.	PMB
5	Seventh and eighth rows of dome: Joint cracking and spall approximately 5' long adjacent to duct support, spall areas less than 5" in size, pitting/abrasion, and bugholes – all minor and previously identified.	PMB
6	Ninth and tenth rows of dome: Leaching, pattern cracking, joint spalls, cracking, and staining – all minor and previously identified.	PMB
7	Eleventh thru thirteenth rows of dome: Small spall areas, pop outs adjacent to duct and rust staining – all minor and previously identified.	PMB
8	Steel cable rusting along a vertical joint (previously identified). Cable removed during coating of vent duct.	PMB
9	Six 1/2" diameter pipe inserts sticking out approximately 1" from containment with minimal surface corrosion. All six were coated in 2009 to protect against future corrosion. Before and after photos can be found in Attachment 8.5.	PMB
10	See photo U3-057231 for general view of dome in zone 5.	PMB



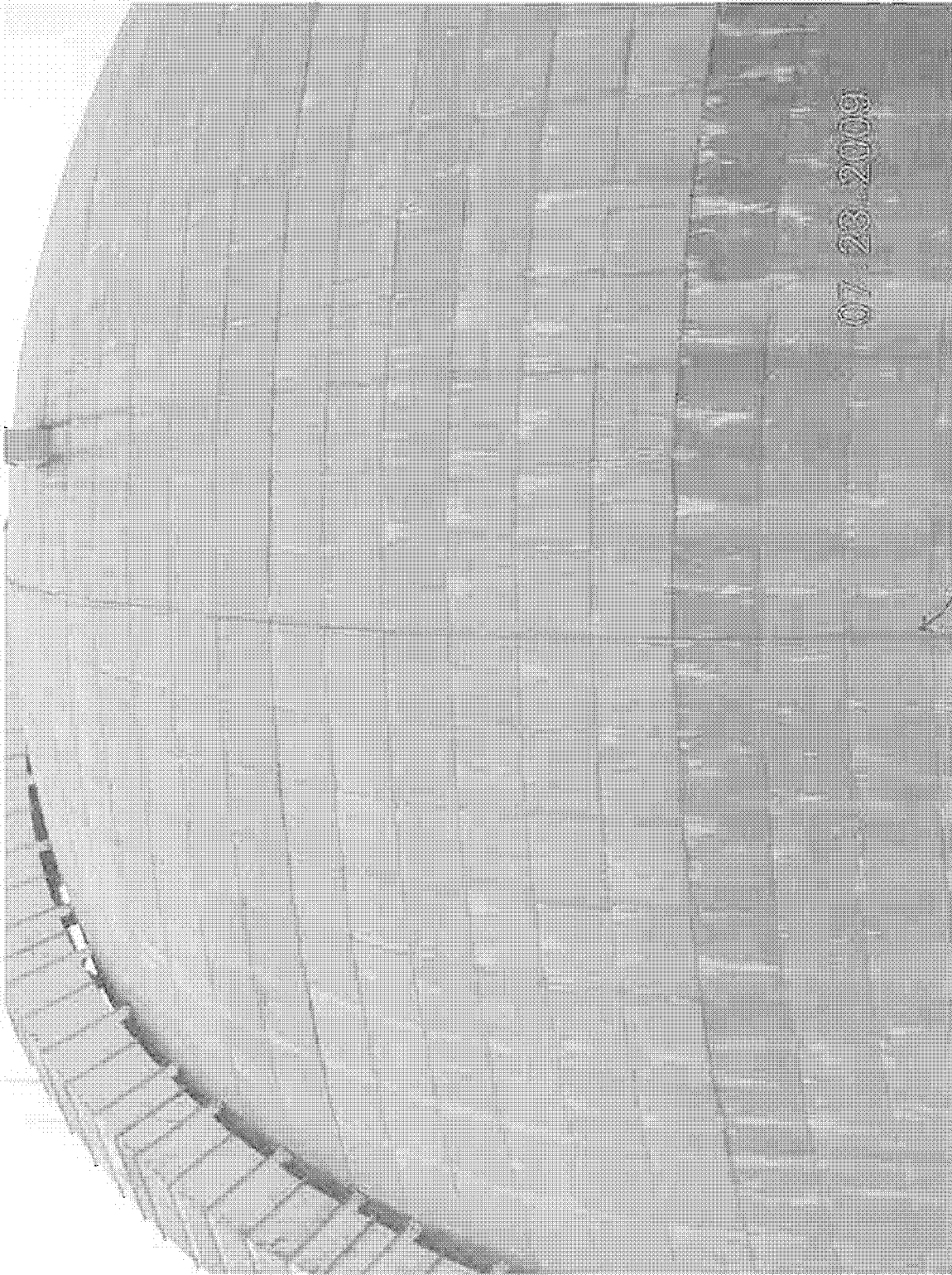
IPEC

IP-RPT-09-00069

REV. 0

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IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009



U3-057231

STEEL CABLE REMOVED

IWL-DM-005

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-48 **Zone No:** 006 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	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"/>	1,2
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: P. Bowe / [Signature] **Date:** 12/10/09 **Examined By:** J. Skonieczny / [Signature] **Date:** 12-16-09
Print/Signature/Level

Responsible Engineer Review:

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

Comments: VANTAGE POINT # 8, FROM FIG. 1 ON PG. 20 AND MAN BASKET

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] / REACT **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 – 48

ZONE No: 006

No.	Comment	Initials
1	Minor pattern cracking due to shrinkage, bugholes, leaching, scaling, and spalling – all minor, inactive, and previously identified.	<i>PMB</i>
2	Vertical cracking occurs roughly 5' long and 5' o/c throughout entire component (previously identified and no significant changes).	<i>PMB</i>
3	Exposed aggregate, approximately 15' long, along joint from spalling (previously identified and no significant changes).	<i>PMB</i>
4	Exposed aggregate, approximately 10' long, along joint from spalling (previously identified and no significant changes).	<i>PMB</i>

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-49 **Zone No:** 007 **Drawing No.:** ISI-IWL-001
Description: Dome **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"/>	1
Scaling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Spalls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Corrosion staining on concrete surfaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
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"/>	1,2

(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

Gopalakrishnan 12/16/09

Responsible Engineer Review:

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

Comments: VAULTAGE POINT # 12 FROM FIG. 1 ON PG. 20 AND MAN BASKET

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