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

STATION/UNIT:	IPEC / Indian Point No. 2	COMPONENT NO.:	VCC - 23
ZONE No:	006		

No.	Comment	Initials
1	Three bugholes with rust and staining between El. 108 and El. 111.	NIS



ENN **NUCLEAR** MANAGEMENT **MANUAL**

ENGINEERING STANDARD

IWL Visual Containment Inspection

ENN-EP-S-003 Revision 0

Page 14 of 15

•							
IPEC Unit: 2 Interval	Period: 1st/2nd Inspe	ection	Ins	pectio	n Repo	ort No.:	:IP2-O5-IWL-001
Component No.: VC	C - 24 Zone No	:001			Orawin	g No.:	
Description: El. 128 –	El. 148		Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celes	stron Giant 20x80 Bir	noculars		Limita	tions:	<u>Acces</u>	ssible areas only
Record	ding Condition		RI	NRI	NI	N/A	Comments
Leaching or chemical atta	ck			\boxtimes			5
Abrasion or erosion degra	dation				\boxtimes		
Pop outs and voids			\boxtimes				3
Scaling					\boxtimes		
Spalls				\boxtimes			2
Corrosion staining on con-	crete surfaces						1,3,4
Cracks					\boxtimes		
Exposed reinforcing steel			\boxtimes				1,3,4
Deteriorating of concrete of	coating, if applicable					\boxtimes	
Excessive corrosion of the surfaces	e exposed embedded	metal			\boxtimes		
Detached embedment or l	loose bolts				\boxtimes		
Other					\boxtimes		
(Note: Sketches or pictures many Company Compa	Date:	<i>6/2/05</i> Ex	amino	ed By:	DRI Print/S		NUTA Date: 6/2/01
Comments:		11 A					
RE <u>Signature</u> KICHAL	Print/Signature/Lev		Date: .	6	19/0	15	
Site Level III Review:	Print/Signature/Le		<u>Date:</u>				
ANII Review:	Not Applicable Print/Signature		Date:				

IP2 - CISI - XXX Rev. 0

Date: 5/10/2005 Page: X of Y

STATION/UNIT:	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC - 24
ZONE No:	001		

No.	Comment	Initials
1	Rust stain on concrete below, from exposed cadweld sleeve with rust over 6" length. Inadequate concrete (about ½") cover. This area has remained unchanged since previous inspection.	ugf
2	6" of mortar about to spall. This area has remained unchanged since previous inspection.	not
3	1" deep hole created in concrete cover by inadequate consolidation during pouring exposing 2" of reinforcing steel with rusting and staining. This area has remained unchanged since previous inspection.	ug
4	Between El. 138 and El. 143, two bars are exposed (one upper and one lower at 1" and 6", respectively) with rusting and staining.	ngf
5	Minor leaching from construction joints. These areas have remained unchanged since previous inspections.	ugf

ATTACHMENT 8.3 OF 18-RPT-06-00019 REV. O PAGE 78 OF 138



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003

Revision 0

IWL Visual Containment Inspection

Page 14 of 15

IPEC Unit: 2 Interval Period: 1st/2nd Inspection	C Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001				: IP2-O5-IWL-001
Component No.: VCC - 25 Zone No: 002	Drawing No.:				
Description: El. 128 – El. 148	_ Work Order No:			IP2-03-29683	
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	tions:	Acces	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation			\boxtimes		
Pop outs and voids			\boxtimes		
Scaling			\boxtimes		
Spalls	\boxtimes				4,5,8,9,10
Corrosion staining on concrete surfaces	\boxtimes				1,2,3,8
Cracks		\boxtimes			2,3,4,5,6,10
Exposed reinforcing steel	\boxtimes				1,2,3,8
Deteriorating of concrete coating, if applicable				\boxtimes	
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other		\boxtimes			7
(Note: Sketches or pictures may be attached to clarify Inspection areas and locations.) Examined By:					
Acceptable: Yes No (Detailed VT-1 Examina Comments:	tion R	equired	Attaci	nment i	7.3)
1 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date:	6	9/9	105	
Site Level III Review: Print/Signature/Level	Date:	·			·
ANII Review: Not Applicable Print/Signature	<u>Date:</u>			<u></u>	

138

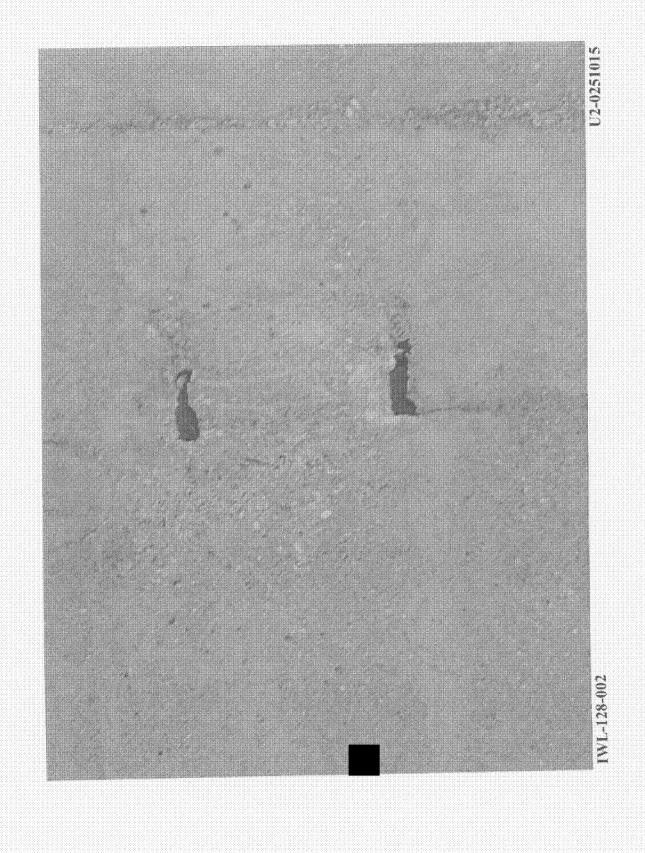
IWL VISUAL CONTAINMENT INSPECTION Indian Point Unit No. 2

IP2 - CISI - XXX Rev. 0 Date: 5/10/2005

Page: X of Y

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC – 25
ZONE No:	002		

No.	Comment	Initials
1	Cadweld exposed (approx. 6" long) & corroded with rusting and staining due to loss of concrete cover at El. 144.	nof
2	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. Since previous inspection, pattern cracking surrounding the exposed cadweld has occurred. See photo U2-0251015	ngf
3	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. Since previous inspection, pattern cracking surrounding the exposed cadweld has occurred. Also, the portion of concrete directly above the cadweld has fallen off. See photo U2-0251015	ugf
4	A small area of concrete has cracked and is likely to spall off. This area has remained unchanged since previous inspection.	nof
5	The concrete has cracked & bulged in a small area that is likely to spall off. This area has remained unchanged since previous inspection.	nef
6	The concrete has joint cracking along El. 128.	ng
7	Bugholes appear between El. 128 and El. 133.	NOS
8	Cadweld exposed (approx. 4" long) with rusting and staining due to spalling at El. 129. See photo U2-0251016	not
9	Small area of concrete ready to fall off at El. 144.	ng
10	Joint spalls and cracks appear along El. 133.	not





ATTACHMENT 8.3 OF 19-RPT-06-00019 REV. O PAGE 82 OF 138



ENN **NUCLEAR** MANAGEMENT MANUAL

ENGINEERING STANDARD

IWL Visual Containment Inspection

ENN-EP-S-003 Revision 0

Page 14 of 15

IPEC Unit: 2 Interval Period: 1st/2nd Inspection	Ins	pectio	n Repo	ort No.:	:IP2-O5-IWL-001
Component No.: VCC - 26 Zone No: 003		(Orawin	g No.:	
Description: El. 128 – El. 148	Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	tions:	Acces	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation			\boxtimes		
Pop outs and voids	\boxtimes				4
Scaling		\boxtimes			2
Spalls		\boxtimes			3,4
Corrosion staining on concrete surfaces					1,4
Cracks		\boxtimes			1,2,3,5
Exposed reinforcing steel	\boxtimes				1,4
Deteriorating of concrete coating, if applicable				\boxtimes	
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other		\boxtimes		Ų	1,3,4
(Note: Sketches or pictures may be attached to clarify Inspection areas and locations.) Examined By:					
RE Signature Kollan Drake Lollan Drake Print/Signature/Level	Date:	61	19/0.	j	
Print/Signature/Level	<u>Date:</u> Date:			 	
Print/Signature	<u> </u>				

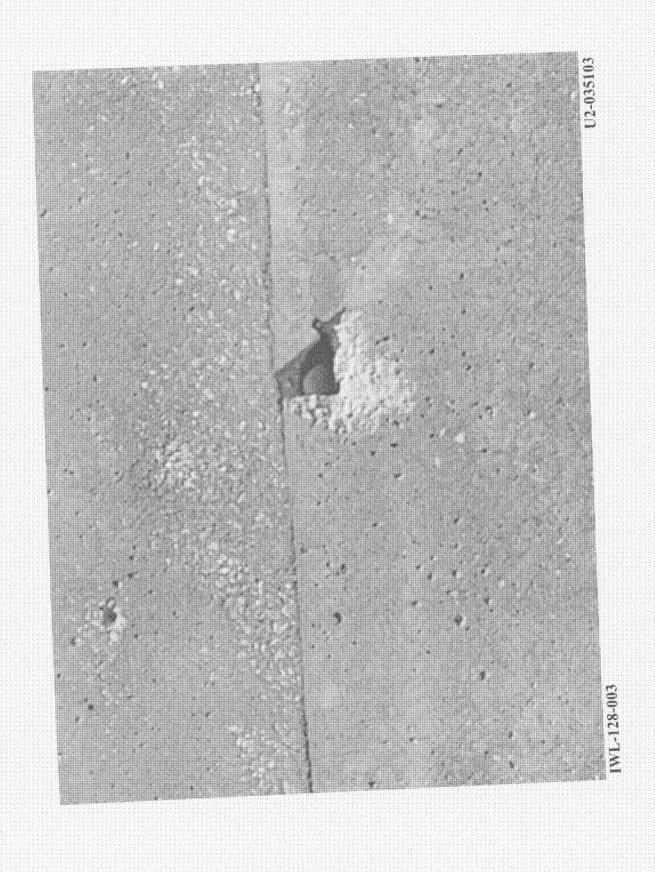
IP2 - CISI - XXX

Rev. 0

Date: 5/10/2005 Page: X of Y

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC - 26
ZONE No:	003		

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



ATTACHMENT 8.3 OF 18-RPT-06-00019 REL. 0 PAGE 85 OF 138



ENN NUCLEAR **MANAGEMENT MANUAL**

ENGINEERING STANDARD

ENN-EP-S-003 Revision 0

IWL Visual Containment Inspection

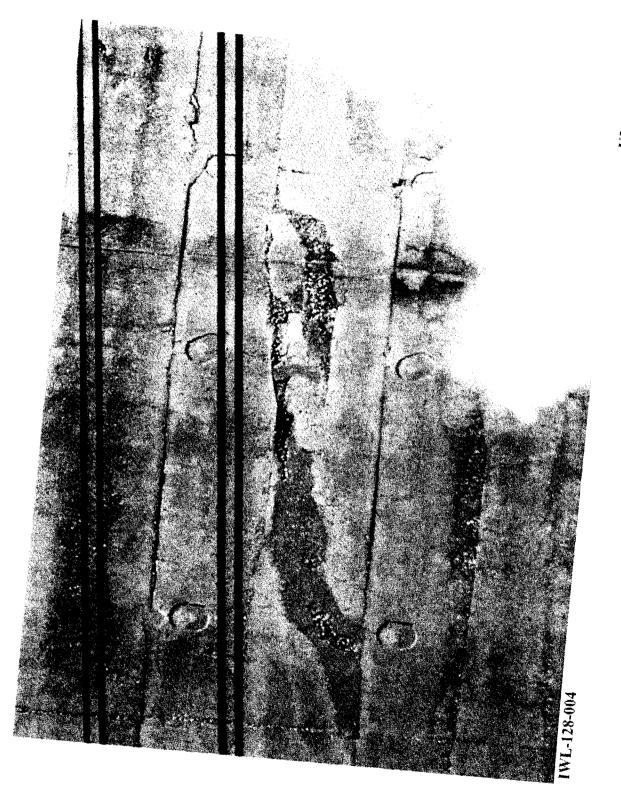
Page 14 of 15

IPEC Unit: 2 Interval Period: 1st/2nd Inspection	1st/2 nd Inspection Inspection Report No.: IP2-O5-IWL-0			: IP2-O5-IWL-001	
Component No.: VCC - 27 Zone No: 004	Drawing No.:				
Description: El. 128 – El. 148	Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	tions:	<u>Acces</u>	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation			\boxtimes		
Pop outs and voids			\boxtimes		
Scaling			\boxtimes		
Spalls	\boxtimes				2,3
Corrosion staining on concrete surfaces	\boxtimes				2,3
Cracks		\boxtimes			3
Exposed reinforcing steel					2,3
Deteriorating of concrete coating, if applicable		\boxtimes			1
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other			\boxtimes		
(Note: Sketches or pictures may be attached to clarify Inspection areas a warm of the state of t	and location	ed By:	DRA	Goç i Signatur	NJ7A Date: 6/2/0 re/Level
Acceptable: Yes No (Detailed VT-1 Examination Comments:	nation R	equire	d Attac	hment	7.3)
21 1 X to 2h della	/ Loate:	6/	9/05	5	
Site Level III Review: Print/Signature/Level	<u>Date:</u>		<u> </u>		
ANII Review: Not Applicable Print/Signature	<u>Date:</u>				

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

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC - 27
ZONE No:	004		

No.	Comment	Initials
1	Loss of mortar 1/4" deep over an area 2'x6". This area has remained unchanged since previous inspection. See photo U2-045128	Ky
2	2" rebar steel exposure with rusting and staining due to cover concrete spalling. This area has remained unchanged since previous inspection.	nof
3	Exposed and corroded rebar with rusting and staining. The concrete has cracked & bulged in a small area that is likely to spall off. This area has remained unchanged since previous inspection.	nef



ATTACHMENT 8.3 OF 19-RPT-06-00019 REV. 6 PAGE 88 OF 138



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003 Revision 0

Page 14 of 15

IWL Visual Containment Inspection

IPEC Unit: 2 Interval Period: 1st/2nd Inspection	_ Ins	pectio	n Repo	ort No.:	: IP2-05-IWL-001
Component No.: VCC - 28 Zone No: 005			Orawin	g No.:	
Description: El. 128 – El. 148	_ Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	tions:	Acces	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation			\boxtimes		
Pop outs and voids			\boxtimes		
Scaling			\boxtimes		
Spalls			\boxtimes		
Corrosion staining on concrete surfaces			\boxtimes		
Cracks			\boxtimes		
Exposed reinforcing steel			\boxtimes		
Deteriorating of concrete coating, if applicable				\boxtimes	
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other		\boxtimes			1
Other (Note: Sketches or pictures may be attached to clarify Inspection areas and locations.) Examined By:					
Acceptable: Yes Mo (Detailed VT-1 Examina Comments:	tion R	equired	d Attac	hment 7	7.3)
RE Signature Richard Dake States Walls Print/Signature/Lével	Date:	6	/9/0	5	
Site Level III Review: Print/Signature/Level	<u>Date:</u>				<u>.</u>
ANII Review: Not Applicable Print/Signature	<u>Date:</u>				

IP2 - CISI - XXX Rev. 0

Date: 5/10/2005 Page: X of Y

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

STATION/UNIT: IPEC / Indian Point No. 2 COMPONENT NO. : VCC – 28

ZONE	No:	
No.	Comment	Initials
1	Non-uniformity of surface color and texture observed at various locations in the zone. The condition does not indicate significant material deterioration of the concrete.	NOT
)

ATTACHMENT 8.3 OF IP-RET-06-00019 REV. O DAGE 90 OF 138



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003 Revision 0

Page 14 of 15

IWL Visual Containment Inspection

IPEC Unit: 2 Interval Period: 1st/2nd Inspe	ction	Ins	pectio	n Repo	ort No.:	: IP2-O5-IWL-001
Component No.: VCC - 29 Zone No:	006		[Drawin	g No.:	
Description: El. 128 – El. 148		Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Bin	oculars		Limita	tions:	Acces	ssible areas only
Recording Condition		RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes			1
Abrasion or erosion degradation		\boxtimes				1
Pop outs and voids		\boxtimes				2,3
Scaling				\boxtimes		
Spalls				\boxtimes		
Corrosion staining on concrete surfaces			\boxtimes			3
Cracks				\boxtimes		
Exposed reinforcing steel		\boxtimes				3
Deteriorating of concrete coating, if applicable					\boxtimes	
Excessive corrosion of the exposed embedded n surfaces	netal			\boxtimes		
Detached embedment or loose bolts				\boxtimes		
Other						
(Note: Sketches or pictures may be attached to clarify Inspection of the Mark Control	/z <i>/05</i> Exa	amine	ed By:	*DR# Print/S	ignatur	NUTA Date: 6/2 re/Level
RE Signature Richard Drake Many Print/Signature/Leve		Date:	E	19/	05	
Site Level III Review: Print/Signature/Lev		<u>Date:</u>			<u> </u>	
ANII Review: Not Applicable Print/Signature		Date:				

IP2 - CISI - XXX Rev. 0

Date: 5/10/2005 Page: X of Y

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC - 29
ZONE No:	006		

No.	Comment	Initials
1	White deposit (Efflorescence) from a 6" square area of concrete cover patch. Additional pitting/abrasion to the left of the deposit has occurred since previous inspection.	Med
2	Multiple tie holes without proper filling at El. 130.	ngf
3	Two small popouts exposing rebar with rust and staining at El. 147.	ngf
]		

ATTACHMENT 8.3 OF 1P.RPT-06-00019



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

IWL Visual Containment Inspection

ENN-EP-S-003 Revision 0

Page 14 of 15

REV. 0 PAGE 92 OF 138

RECO	ORD OF VT-3 / GENERAL V	ISUAL	EXAM	INATIO	<u> NC</u>	
IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001						
Component No.: VCC - 3	0 Zone No: <u>001</u>	Drawing No.:				
Description: El. 148 – El. 1	68	_ Wor	k Orde	er No:	IP2-0	3-29683
Equipment Used: Celestron	Giant 20x80 Binoculars		Limita	tions:	<u>Acces</u>	sible areas only
Recording (Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack				\boxtimes		
Abrasion or erosion degradatio	n			\boxtimes		
Pop outs and voids				\boxtimes		
Scaling				\boxtimes		
Spalls		\boxtimes				3
Corrosion staining on concrete	surfaces	\boxtimes				1,2,3
Cracks						
Exposed reinforcing steel		\boxtimes				1,2
Deteriorating of concrete coatir	ng, if applicable				\boxtimes	
Excessive corrosion of the expesurfaces	osed embedded metal			\boxtimes		
Detached embedment or loose	bolts					
Other				\boxtimes		
Examined By: For Frint/Signature Responsible Engineer Revie	Date: 6/z/05 E	xamin	ed By:	Print/S		<u>NりてA</u> Date: <u>ゆんこん。</u> re/Level
Acceptable : Yes 🔀 No	Detailed VT-1 Examination	ation K	equired	Allac	nment	7.3)
Comments:	7.1					
RE Signature Richard De	W Colland Valle Print/Signature/Level	Date:	6,	19/0	15	
Site Level III Review:	Print/Signature/Level	<u>Date:</u>				
ANII Review:	lot Applicable Print/Signature	<u>Date:</u>		·		

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

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO.:	VCC - 30
ZONE No:	001		
ZOI1E 110.			

No.	Comment	Initials
1	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. This area has remained unchanged since previous inspection.	nef
2	Cadweld exposed & corroded with rusting and staining due to loss of concrete cover. Since previous inspection, one additional cadweld has been exposed & corroded.	nef
3	The concrete has cracked & bulged with some staining in a small area that is likely to spall off. By comparison to other similar areas it is believed to be a cadweld or reinforcing steel which is corroded due to insufficient concrete cover. This area has remained unchanged since previous inspection.	nof
)



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003

Revision 0

IWL Visual Containment Inspection

Page 14 of 15

RECORD OF VI-3 / GENERAL VI	SUAL	EXAM	INATIC	<u>N</u>	
IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001					
Component No.: VCC - 31 Zone No: 002			Orawin	g No.:	
Description: El. 148 – El. 168	_ Wor	k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars	<u> </u>	Limita	tions:	<u>Acces</u>	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation		\boxtimes			9,10
Pop outs and voids	\boxtimes				6,7
Scaling			\boxtimes		
Spalls	\boxtimes				5,6
Corrosion staining on concrete surfaces	\boxtimes				1,2,3
Cracks		\boxtimes			6,7,10
Exposed reinforcing steel	\boxtimes				1,2,3,4,5,8
Deteriorating of concrete coating, if applicable				\boxtimes	
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other		\boxtimes			11
(Note: Sketches or pictures may be attached to clarify Inspection areas an Examined By: (A) (A) (Detailed VT-1 Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examined By: (A) (A) (Detailed VT-1 Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas an Examination of the Sketches or pictures may be attached to clarify Inspection areas and Examination of the Sketches of the	kamine	ed By:	DRA Print/S	ngriatai	NOTA Date: 6/2/03 re/Level
RE Signature RICHA OCA KE SAGA (Walter Print/Signature/Level	, Date:	6	19/0	5	
Site Level III Review: Print/Signature/Level	<u>Date:</u>				
ANII Review: Not Applicable Print/Signature	<u>Date:</u>				

IP2 - CISI - XXX Rev. 0 Date: 5/10/2005

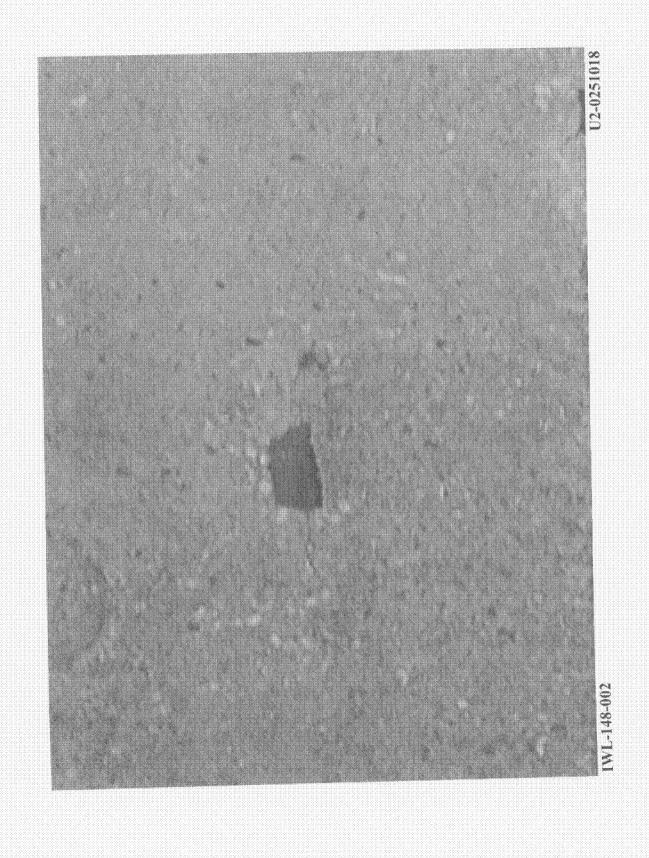
Page: X of Y

STATION/UNIT:	: IPEC / Indian Point No. 2	COMPONENT NO.:	VCC - 31
ZONE No:	002		

No.	Comment	Initials
1	Exposed steel is corroded with staining and appears to be rebar. This has remained unchanged since previous inspection. See photo U2-025108	ug
2	A piece of steel, not reinforcing steel, is exposed at the concrete surface on a diagonal line approximately 3' long with minor staining. This has remained unchanged since previous inspection. See photo U2-025108	nof
3	A small spot of steel is exposed and corroded with staining. It does not appear to be reinforcing steel, and has remained unchanged since previous inspection.	nef
4	Exposed cadweld approximately 8" long due to inadequate concrete cover at El. 156.	ugf
5	Cadweld exposed & corroded due to loss of concrete cover. Additional spalling has occurred since previous inspection. See photo U2-0251017	Neg
6	A joint spall, cracking, and small popouts appear at El. 148 centered in zone 002.	ngl
7	A crack with popout (approximately 4" wide) appears at El. 157.	ng
8	Cadweld exposed & corroded due to loss of concrete cover. This has remained unchanged since previous inspection. See photo U2-0251018	not
9	Pitting/abrasion appears in small area at El. 154.	ng
10	The concrete has joint cracks and pitting/abrasion along El. 158.	not
11	Grout is about to fall at El. 155.	ng







ATTACHMENT 8.3 OF 1P. RPT. OG- OCO19 REV. O PACE 99 OF 138



ENN **NUCLEAR** MANAGEMENT **MANUAL**

ENGINEERING STANDARD

ENN-EP-S-003 Revision 0

IWL Visual Containment Inspection

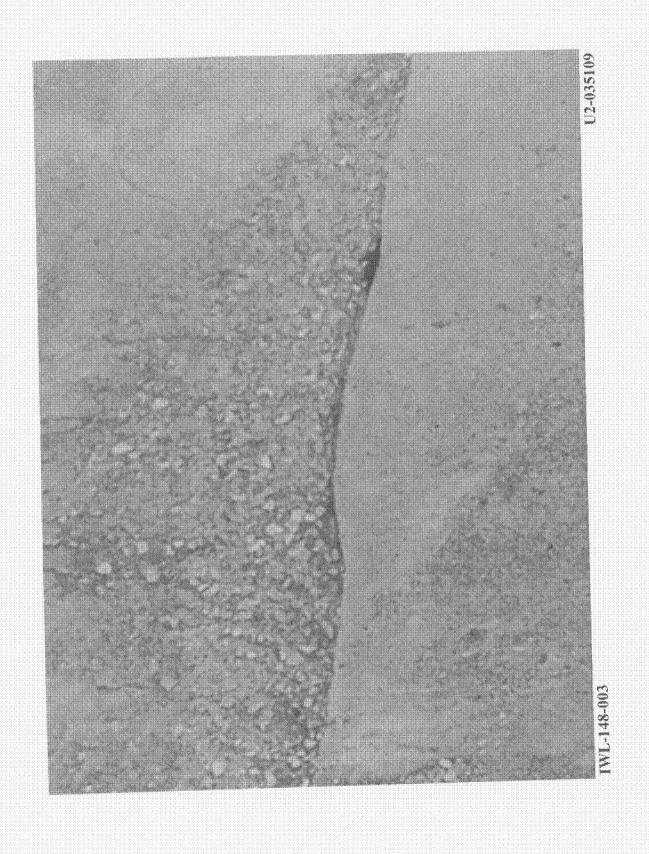
Page 14 of 15

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001							
Component No.: VCC - 32 Zone No: 003		Drawing No.:					
Description: El. 148 – El. 168		_ Work Order No:			IP2-03-29683		
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	tions:	Acces	ssible areas only		
Recording Condition	RI	NRI	NI	N/A	Comments		
Leaching or chemical attack	\boxtimes				7		
Abrasion or erosion degradation			\boxtimes				
Pop outs and voids			\boxtimes				
Scaling					6		
Spalls		\boxtimes			3		
Corrosion staining on concrete surfaces	\boxtimes				3,4,5		
Cracks		\boxtimes			1,2,6,7		
Exposed reinforcing steel			\boxtimes				
Deteriorating of concrete coating, if applicable				\boxtimes			
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes				
Detached embedment or loose bolts			\boxtimes				
Other		\boxtimes			1,2		
(Note: Sketches or pictures may be attached to clarify inspection areas and locations.) Examined By:							
Acceptable: Yes 😡 No 🗌 (Detailed VT-1 Examina Comments:	tion R	equired	d Attacl	hment	7.3)		
RE Signature Richard Druke Kolland Date: 6/9/05 Pring Signature/Level							
Site Level III Review: Print/Signature/Level	Date:			<u></u>			
ANII Review: Not Applicable Print/Signature	<u>Date:</u>						

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

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO. :	VCC - 32
ZONE No:	003		

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





ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003 Revision 0

Page 14 of 15

IWL Visual Containment Inspection

IPEC Unit: 2 Interval Period: 1 st /2 nd Inspection		•	n Repo	ort No.	: IP2-O5-IWL-001
Component No.: VCC – 33 Zone No: 004	Drawing No.:				
Description: El. 148 – El. 168	Wor	k Orde	er No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars		Limita	itions:	Acces	ssible areas only
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation			\boxtimes		
Pop outs and voids					3
Scaling			\boxtimes		
Spalls			\boxtimes		
Corrosion staining on concrete surfaces		\boxtimes			3
Cracks		\boxtimes			1,2
Exposed reinforcing steel		\boxtimes			3
Deteriorating of concrete coating, if applicable				\boxtimes	
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other			\boxtimes		
(Note: Sketches or pictures may be attached to clarify Inspection areas Examined By: (1) Date: 6/2/05 Print/Signature/Level Responsible Engineer Review:			Print/S	ignatur	re/Level
Acceptable: Yes No (Detailed VT-1 Exami	ination Re	equired	J Attacl	nment	7.3)
RE Signature Richard Diake Solia Ni Mort	Date:	61	19/0	5	
Site Level III Review: Print/Signature/Level	<u>Date:</u>				
ANII Review: Not Applicable Print/Signature	<u>Date:</u>				

IP2 - CISI - XXX Rev. 0 Date: 5/10/2005

Page: X of Y

STATION/UNIT	: IPEC / Indian Point No. 2	COMPONENT NO.:	VCC – 33
ZONE No:	004		

No.	Comment	Initials
140.	Confinent	IIIIIIIII
1	General pattern cracking and discoloration between El. 148 and El. 153.	NO
2	General pattern cracking, discoloration, and numerous bugholes between El. 158 and El. 168.	right
3	3" popout exposing rebar with rust and staining at El. 155, approx. 20' from left boundary.	nof

ATTACHMENT 8.3 & 19-RPT-06-00019 REV. O PAGE 104 OF 139



ENN NUCLEAR MANAGEMENT MANUAL

ENGINEERING STANDARD

ENN-EP-S-003

Revision 0

IWL Visual Containment Inspection

Page 14 of 15

IPEC Unit: 2 Interval Period: 1st/2nd Inspection Inspection Report No.: IP2-O5-IWL-001					
Component No.: VCC - 34 Zone No: 005	Drawing No.:				
Description: El. 148 – El. 168		k Orde	r No:	IP2-0	3-29683
Equipment Used: Celestron Giant 20x80 Binoculars Limitations: Accessible areas only					
Recording Condition	RI	NRI	NI	N/A	Comments
Leaching or chemical attack			\boxtimes		
Abrasion or erosion degradation		\boxtimes			2
Pop outs and voids			\boxtimes		
Scaling			\boxtimes		
Spalls			\boxtimes		
Corrosion staining on concrete surfaces					1
Cracks		\boxtimes			2
Exposed reinforcing steel					1
Deteriorating of concrete coating, if applicable					
Excessive corrosion of the exposed embedded metal surfaces			\boxtimes		
Detached embedment or loose bolts			\boxtimes		
Other			\boxtimes	Ď	
(Note: Sketches or pictures may be attached to clarify Inspection areas an white German Date: 6/2/05 Exemined By: 1/4 Signature/Level Responsible Engineer Review:					
Acceptable: Yes No (Detailed VT-1 Examination Comments:	-	equirec	Allaci	/ac=	-
RE Signature Kicker & Wake Glad X John Print/Signature/Level Site Level III Review:	Date:	<u> </u>	<u> </u>	(0)	
Print/Signature/Level					
ANII Review: Not Applicable Print/Signature	<u>Date:</u>		_		