

IP2-CISI-005 Rev. 0 Date: 5/10/00

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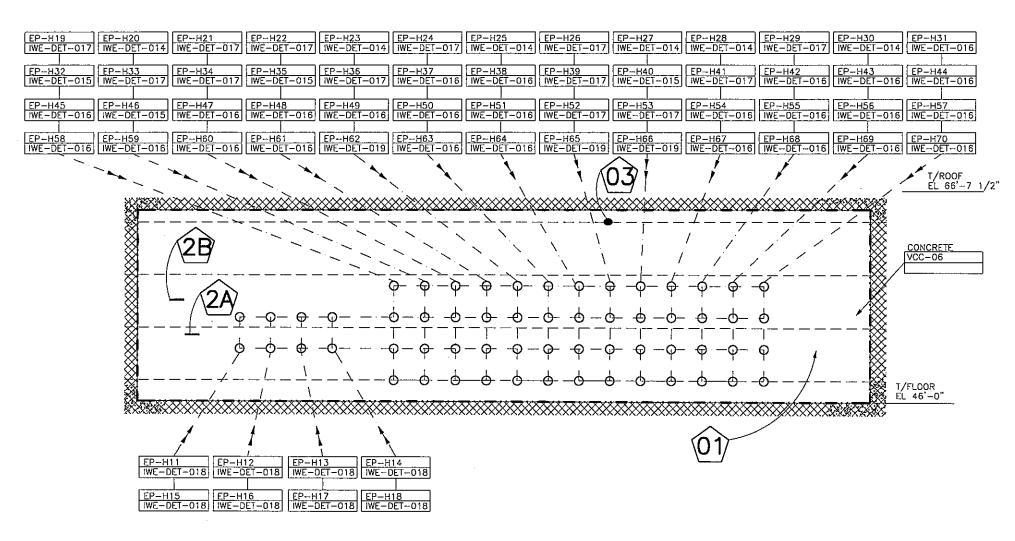
STATION/UNIT: _	Indian Point 2	COMPONENT NO	).: <u>VCC</u>	-05			
ZONE NUMBER: <u>IV</u>	NL-043-002	DRAWING NO.:	320842	·			
EQUIPMENT USED	D: <u>Mag-Lite flash</u>	nlight (see note 4)		_			
				W	oric (	obre	No. NP-99-11274
Recording Condition	ns		RI	NRI	Ni	NA	Comments
7.1.1.a Leaching o	r chemical attack				Х		
7.1.1.b Abrasion of	r corrosion				X		
7.1.1.c Popouts or	voids				Х	7,000	1-7-
7.1.1.d Scaling					х		
7.1.1.e Spalling			X				1
7.1.1.f Corrosion s	staining				х		
7.1.1.g Cracks			X				2,3
7.1.1.h Settlement	or deflection				Х		
7.1.1.i Exposed re	einforcing steel				Х		
7.1.1.j Coating de	terioration			Х			5
Other		- 3 - 7-4					
(Note: Sketches may	be attached to clarify insp	ection areas and locations	of indicat	ions.)	,		· · · · · · · · · · · · · · · · · · ·
EXAMINED BY:	C. Sward (M)	o Suard			DAT	E: <u>6/</u>	/1/00
RESPONSIBLE EN	NGINEER REVIEW:						
Acceptable :	Yes	No (VT-1C Exar	ninatior	ı Reqı	uired)	j	
Comments:							
		<del></del>					
					<del></del> .		
Signature:	Ba	Eller	D	ate:		5/3	ofer
	CLEAR INSPECTOR	R REVIEW:					
Signature:			D	ate:		<u>-</u>	



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STATION/UNIT: Indian Point 2 CO	IPONENT NO.: <u>VC</u>	C-05	5		
ZONE NUMBER: <u>IWL-043-002</u> DR	WING NO.: <u>3208</u>	42			·
EQUIPMENT USED: Mag-Lite flashlight (s	ee note 4)				
			work c	nder	NO. NP-99-11274
Recording Conditions	R	NF	RI NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			Х		
7.1.1.d Scaling			Х		
7.1.1.e Spalling	X				1
7.1.1.f Corrosion staining			Х		
7.1.1.g Cracks	х				2,3
7.1.1.h Settlement or deflection			х		
7.1.1.i Exposed reinforcing steel			х		
7.1.1.j Coating deterioration		×			5
(Note: Sketches may be attached to clarify inspection areas	nd locations of indication	s.)	•		
EXAMINED BY: C. Sward			DAT	E: <u>6/1</u>	/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes 🗌 No 🏌					
Engineering Evaluation Required : Ye	Mo □	E	Evaluat	tion No	: CRS 2000 04138
Comments: The areas with coats  any degradation of the  repaire to contain ment  repaire evaluation.	<u>Concrete sola</u>	sn ( strat	rommer P ONC	ant #5 1 then	) do not exhibit
Signature:	e	Date:		6/3	a/ar
AUTHORIZED NUCLEAR INSPECTOR (ANII)	REVIEW:				
Signature:		Date	:		·



#### CONCRETE INSPECTION ZONE IWL-043-003 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.



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STATION/UNIT: _	Indian Point 2	COMPONENT NO.:	VCC	-07			
ZONE NUMBER: J	WL-043-004	DRAWING NO.: 3	20841				
EQUIPMENT USE	D: <u>Mag-Lite flash</u>	light (see note 1)					
				W	lork	ovde	er No. NP.99-11274
Recording Conditio	ns		RI	NRI	NI	NA	Comments
7.1.1.a Leaching	or chemical attack				Х		
7.1.1.b Abrasion of	or corrosion	, ,,			Х		
7.1.1.c Popouts of	voids			х			2
7.1.1.d Scaling					х		
7.1.1.e Spalling					Х		
7.1.1.f Corrosion	staining				Х		
7.1.1.g Cracks					Х		
7.1.1.h Settlemen	t or deflection				Х		
7.1.1.i Exposed re	einforcing steel				Х		
7.1.1.j Coating de	terioration				Х		
Other		· · · · · · · · · · · · · · · · · · ·					
77 5776							
(Note: Sketches may	be attached to clarify inspe	ection areas and locations of	indicat	ions.)			
EXAMINED BY:	C. Sward	school		<del></del>	DAT	E: <u>6</u>	/1/00
RESPONSIBLE E	NGINEER REVIEW:						
Acceptable :	Yes 💢	No [ (VT-1C Examin	nation	Requ	ired)		
Comments:							
	_						
Signature:	Aa	ale .	D	ate:		6	130/or
		<del> </del>				•/	
AUTHORIZED NU	ICLEAR INSPECTOR	REVIEW:					
Signature:		·	_ D	ate:			
		•					



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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-07
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No.	Comment	Initials
1	This area was examined from the catwalk at approx. El. 51' due to radiological contamination throughout the floors in this area. The examination distances were a maximum of 30 feet. While this distance exceeds the limits for direct visual examination, it was too short for use of the binoculars due to their minimum focal length. Lighting levels using the flashlight exceeded the 50 foot-candle requirement. Approximately 50% of the concrete surface was not visible for inspection by direct line of sight due to obstructions.	0AS
2	Several form tie holes were found not filled. These are not significant relative to containment structural integrity.	CAS
		<del></del>



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STATION/UNIT: <u>Indian Point 2</u> COMPONENT NO	.: <u>VCC</u>	<u>-08</u>			
ZONE NUMBER: <u>IWL-068-001</u> DRAWING NO.: 3	320842	<u> </u>			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (S	Ser. No	<u>. 990</u>	176)		
		Mo	rk C	nder 1	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack	Х				2
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			X		
7.1.1.d Scaling			X		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining		X			3,4
7.1.1.g Cracks			Х		
7.1.1,h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel			х		
7.1.1.j Coating deterioration				х	
Other		X			1
(Note: Sketches may be attached to clarify inspection areas and locations of	of indica	tions.)	<del>'</del>		
EXAMINED BY: R. Namperumal R. Man Jan M	مما		DAT	E: <u>5/2</u>	6/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ∰ No ☐ (VT-1C Exam	nination	n Requ	uired)	)	
Comments: The indications observed one or integrity.	म डॉए	poific	ant	relativ	re to containment
Signature: Baru	C	ate:		6/2	0/01
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	<b>,</b>				
oignature.	D	ate:			

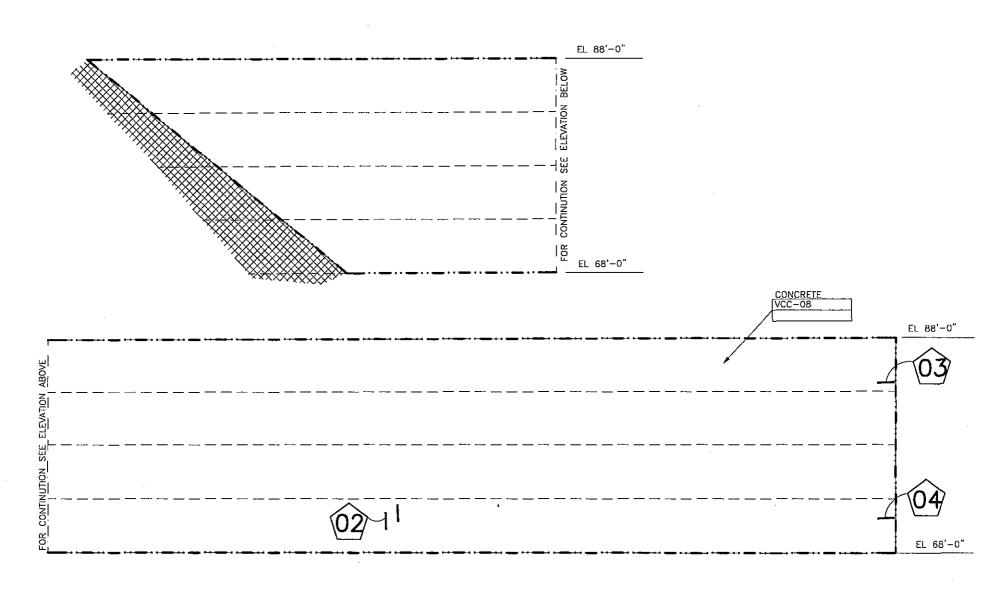


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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-08
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No.	Comment	Initials
1	Non-uniformity of surface color and texture observed at various locations in the zone. The condition does not indicate significant material deterioration of the concrete.	RN
2	2' long white deposits (2), 2' apart	-
		2W
3	Rust stain from surface attachment plate	
		PN
4	Rust stain from surface attachment plate	RW.
		·



### CONCRETE INSPECTION ZONE IWL-068-001 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.



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STATION/UNIT: Indian Point 2 COMPONENT	T NO.: <u>VCC</u>	-09			
ZONE NUMBER: <u>IWL-068-002</u> DRAWING N	O.: <u>320843</u>	3			· · · · · · · · · · · · · · · · · · ·
EQUIPMENT USED: Mag-Lite flashlight (see note 1)			.,		
		Wo	rk c	order	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids		х			2
7.1.1.d Scaling			Х		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining			Х		
7.1.1.g Cracks			Х		
7.1.1.h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel		,	Х		
7.1.1.j Coating deterioration		х	-		3
Other					
(Note: Sketches may be attached to clarify inspection areas and local	tions of indica	tions.)			
EXAMINED BY: C. Sward And Sulland			DAT	E: <u>6/</u>	1/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable: Yes No (VT-1C	Examination	n Requ	uired)		
Comments: The observed conditions are integrity.	. vaf ziðu	ìAcar	# 1°	aritok	· to containment
		<del></del>	············		
Signature: Barbe	D	ate:		6/	30/00
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			



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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-09	
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No.	Comment	Initials
1	This area was examined from the platforms at El. 64'-8" and El. 76'-8". The examination distances were a maximum of 20 feet. While this distance exceeds the limits for direct visual examination, it was too short for use of the binoculars due to their minimum focal length. Lighting levels using the flashlight exceeded the 50 foot-candle requirement. Approximately 5% of the concrete surface was not visible for inspection by direct line of sight due to obstructions.	CAS
2	Several form tie holes were found not patched. These are not significant relative to containment structural integrity.	088
3	There are a number of areas within this zone where the coating is flaking and peeling. There is no evidence that this is due to degradation of the concrete substrate. It is a coatings related issue and not containment degradation.	CAS



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STATION/UNIT: Indian Point 2 COMPONENT NO	).: <u>VCC</u>	<u>-10</u>			
ZONE NUMBER: <u>IWL-068-003</u> DRAWING NO.:	320844	<u> </u>			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (	Ser. No	<u>. 990</u>	176)		· . · · · · · · · · · · · · · · · · · ·
		Wo	rk c	<i>yder</i>	No. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids		Х			8
7.1.1.d Scaling			Х		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining		Х			2,3,4,5,7,9
7.1.1.g Cracks			Х		
7.1.1.h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel	х				6
7.1.1.j Coating deterioration			<del>,</del>	х	
Other		х			1
(Note: Sketches may be attached to clarify inspection areas and locations	of indicat	ions.)	·	l i	
EXAMINED BY: C. Sward MM XUMA			DAT	E: <u>5/3</u>	1/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ☐ No [X] (VT-1C Exam	ninatior	n Requ	uired)		
Comments:					
					- <del></del>
Signature:		ate:		6/2	olor
	b	aie.		<del>-/3</del>	
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	ח	ate:			
	<i>-</i>	<b></b> .			



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STATION/UNIT: Indian Point 2	COMPONENT NO.: \	<u>vcc</u>	-10				
ZONE NUMBER: <u>IWL-068-003</u> DRAWING NO.: <u>320844</u>							
EQUIPMENT USED: Celestron Giant	20x80 Binoculars (Ser	<u>. No</u>					
			Wo	rk c	<u>)vde</u>	- NO. NP-99-11274	
Recording Conditions		RI	NRi	NI	NA	Comments	
7.1.1.a Leaching or chemical attack				Х			
7.1.1.b Abrasion or corrosion				Х			
7.1.1.c Popouts or voids			х			8	
7.1.1.d Scaling				Х		{	
7.1.1.e Spalling				Х			
7.1.1.f Corrosion staining		<del></del>	х			2,3,4,5,7,9	
7.1.1.g Cracks			-	Х			
7.1.1.h Settlement or deflection				Х			
7.1.1.i Exposed reinforcing steel		Х				6	
7.1.1.j Coating deterioration					x		
Other			х			1	
			_				
(Note: Sketches may be attached to clarify inspection	on areas and locations of inc	dication	ons.)		<u></u>		
EXAMINED BY: C. Sward Milk	Suand			DATI	Ξ: <u>5/3</u>	31/00	
RESPONSIBLE ENGINEER REVIEW:						·	
Acceptable : Yes 🗌 No 🕽	₫						
Engineering Evaluation Required :	Yes ឦ No [		Ev	aluati	ion No	: CRS 2000 04138	
Comments: The exposed cadu	oeld (comment #6)	æ	<u>o)re</u> s	s ev	<u>aluat</u>	ton. The other	
abserved contidion	ns are not signific	oot	<u>relat</u>	iye '	to con	tainment integrity.	
	00				**		
Signature:	rlen	D	ate:		6/3	ral co	
AUTHORIZED NUCLEAR INSPECTOR (A	NII) REVIEW:						
Signature:		Г	)ate:				
<del></del>							



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STATION/UNIT:	Indian Point 2	COMPONENT NO.:	: VCC-10
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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.	CARS
2	Small rust spot visible on concrete surface. It could be tie wire or other misc, steel but does not appear to be rebar. See photo 00053120	CAS
	Small rust spot visible on concrete surface. It could be tie wire or other misc. steel but does not appear to be rebar. See photo 00053121	CAS
	Small rust spot visible on concrete surface. It could be tie wire or other misc. steel but does not appear to be rebar. See photo 00053122	083
	Small rust spot visible on concrete surface. It could be tie wire or other misc, steel but does not appear to be rebar. See photo 00053123	OAS
6	Exposed cadweld with some rusting. See photo 00053124	CAS
	Small rust spot visible on concrete surface. It could be tie wire or other misc, steel but does not appear to be rebar. See photo 00053125	CAS
8	Form tie hole which was not filled. This is not significant relative to containment structural integrity.	CAS
	Two small rust spots visible on concrete surface. It could be nails, form ties or other misc, steel but does not appear to be rebar. See photo 00053126	CAS

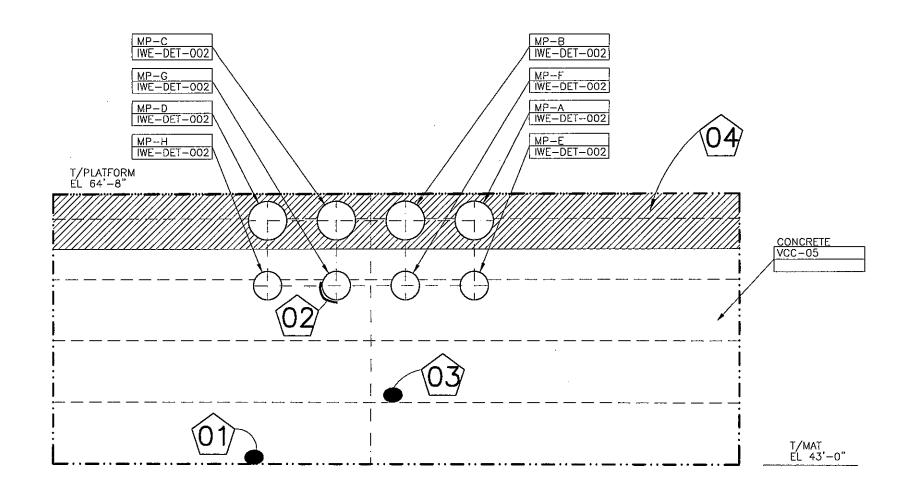


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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-05
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	Comment	Initials
	A spalled area approximately 10" long was found at the floor line directly below penetration MP-H. This area appears to have some unconsolidated concrete ("honeycomb") from the original placement of the concrete. See Photo 00060131	CAS
2	A crack with apparent delamination was found around the lower left edge of penetration MP-G. See Photo 00060132	CAS
	A delamination was found at approx. El. 49' directly below penetration MP-F. The area was estimated to be 18" wide by 12" high by sounding the concrete (tapping the surface with a metal object). See Photos 00060133 and 00060134.	CAS
Ì	This area was examined from the floor level at El. 43'. The examination distances were a maximum of 20 feet. While this distance exceeds the limits for direct visual examination, it was too short for use of the binoculars due to their minimum focal length. Lighting levels using the flashlight exceeded the 50 foot-candle requirement. The upper 5 feet of this zone were not visible for inspection by direct line of sight due to piping and structural steel obstructions.	048
	There are a number of areas within this zone where the coating is flaking and peeling. There is no evidence that this is due to degradation of the concrete substrate. It is a coatings related issue and not containment degradation.	CAS.



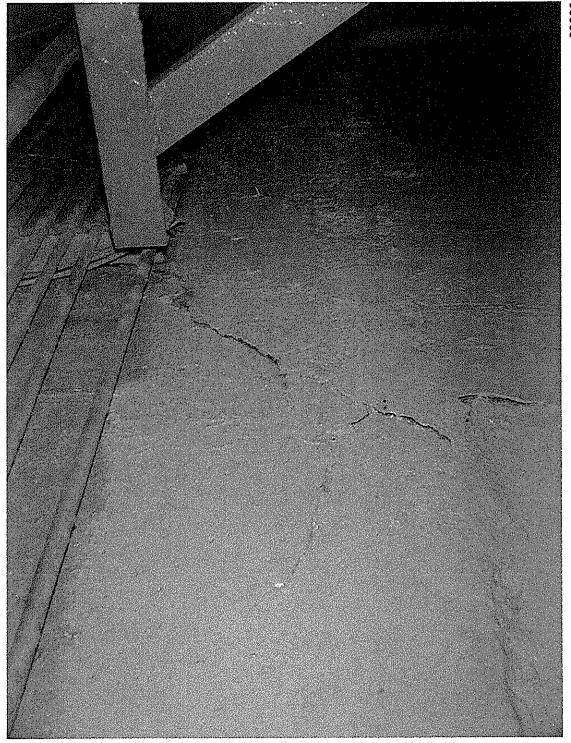
#### CONCRETE INSPECTION ZONE IWL-043-002

(EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)

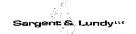


-DENOTES COMMENT NUMBER ON INSPECTION FORM.









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STATION/UNIT:India	n Point 2	COMPONENT NO	.: <u>VCC</u>	-06			
ZONE NUMBER: IWL-043-	003	_ DRAWING NO.: 3	320840	)			
EQUIPMENT USED: N	<u>lag-Lite flashli</u>	ght (see note 4)					
				Wo	ric o	orde	er No. NP-99-11274
Recording Conditions			RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemic	al attack				Х		
7.1.1.b Abrasion or corrosi	on				Х		
7.1.1.c Popouts or voids	_			х			3
7.1.1.d Scaling	<del>-</del>				Х		
7.1.1.e Spalling	-				Х		
7.1.1.f Corrosion staining					х		
7.1.1.g Cracks			X				1
7.1.1.h Settlement or defle	ction				Х		
7.1.1.i Exposed reinforcing	steel		X				2
7.1.1.j Coating deterioration	on .		-			х	
Other							
		1.1					
(Note: Sketches may be attache	d to clarify inspec	ction areas and locations	of indica	tions.)			
EXAMINED BY: C. Sward	<u> : Mil</u>	5 Deard	<u></u>		DAT	E: <u>6</u>	/1/00
RESPONSIBLE ENGINEER	R REVIEW:	,					
Acceptable : Yes		No ∰ (VT-1C Exam	ination	Requ	uired)		
Comments:							
-				_			
		· · · · · · · · · · · · · · · · · · ·		_			
Signature:	17/2-6			ate:		6	Bolon
	<u> </u>		b	ale.			, <u> </u>
AUTHORIZED NUCLEAR	INSPECTOR	REVIEW:					
Signature:		·	רו	ate:			
<del></del>			— ´	J.J.			



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STATION/UNIT: <u>Indian Point 2</u> COMPONENT N	10.: <u>VCC</u>	<u>-06</u>		711		
ZONE NUMBER: <u>IWL-043-003</u> DRAWING NO.:	320840	)				
EQUIPMENT USED: Mag-Lite flashlight (see note 4)		_			<u> </u>	
		Wo	rk (	3rder	NO. NP-99-11274	
Recording Conditions	RI	NRI	NI	NA	Comments	
7.1.1.a Leaching or chemical attack			Х			
7.1.1.b Abrasion or corrosion		<del></del>	Х			
7.1.1.c Popouts or voids		Х			3	
7.1.1.d Scaling			Х			
7.1.1.e Spalling			Х			
7.1.1.f Corrosion staining	-		Х			
7.1.1.g Cracks	х				1 .	
7.1.1.h Settlement or deflection			Х			
7.1.1.i Exposed reinforcing steel	Χ.				2	
7.1.1.j Coating deterioration				х		
Other						
(Note: Sketches may be attached to clarify inspection areas and location	s of indicati	ons.)		<u> </u>		
EXAMINED BY: C. Sward MUN XULONO			DATI	Ξ: <u>6/1</u>	/00	
RESPONSIBLE ENGINEER REVIEW:						
Acceptable : Yes 🗌 No 💢						
• • • • • • • • • • • • • • • • • • • •	No 🗌	Ev	aluat	ion No	: <u>CRS 2000 04138</u>	
Comments: The expreed steel (comment #2) reguires evaluation. The items mentioned in comment #3 are not significant relative to containment integrity. The delamination in comment #1						
Signature: Was proviously intentialized a	1,50	ete:	<u>ad</u>	<u>3915</u> 8	Bed. Bolev	
AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:					<del></del>	
, , ,						
Signature:		Date:				

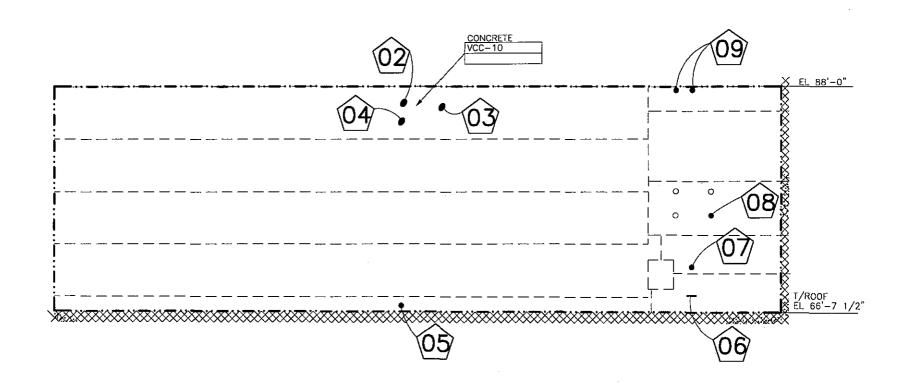


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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-06	_
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No.	Comment	Initials
1	A large delamination exists in the lower right hand side of this zone. This item was previously identified by Con Edison and is being addressed via the condition reporting system.	CAS
2	Two pieces of embedded steel appearing to be cadweld splices are exposed at the surface of the concrete. Slight corrosion is evident but no streaking or staining of the concrete.	CAS.
3	A small surface defect (approx. 2' dia.) and several unfilled form tie holes were noted but are insignificant relative to containment structural integrity.	CAS
4	This area was examined from the floor level at El. 46'. The examination distances were a maximum of 20 feet. While this distance exceeds the limits for direct visual examination, it was too short for use of the binoculars due to their minimum focal length. Lighting levels using the flashlight exceeded the 50 foot-candle requirement. Approximately 10% of this zone was not visible for inspection by direct line of sight due to various obstructions.	0AS



### CONCRETE INSPECTION ZONE IWL-068-003 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.

IWL-068-003

IWL-068-003

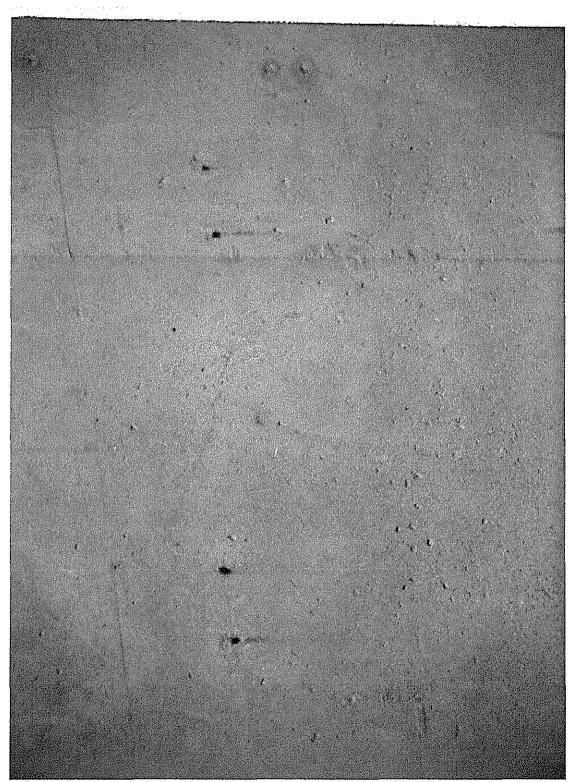
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STATION/UNIT: _	Indian Point 2	COMPONENT NO.:	: <u>VCC</u>	-11			
ZONE NUMBER: <u>I</u> '	WL-068-004	DRAWING NO.: 3	20845	5			
EQUIPMENT USE	D: Mag-Lite flash	light (See note 1)					<del></del>
	PANTAL AND		·····	Wo	irk	arge	er No. NP_99-11274
Recording Conditio	ns		RI	NRI	NI	NA	Comments
7.1.1.a Leaching of	r chemical attack				Х		
7.1.1.b Abrasion o	r corrosion				Х		
7.1.1.c Popouts or	voids	***************************************			Х		
7.1.1.d Scaling					х		
7.1.1.e Spalling					Х		
7.1.1.f Corrosion	staining				Х		
7.1.1.g Cracks					х		
7.1.1.h Settlement	or deflection				Х		
7.1.1.i Exposed re	einforcing steel	<del>.</del>			Х		
7.1.1.j Coating de	terioration				Х		
Other	, <u>, , , , , , , , , , , , , , , , , , </u>						
(Note: Sketches may	be attached to clarify inspe	ection areas and locations of	f indica	tions.)			
EXAMINED BY:	C. Sward	Muard			DAT	Έ: <u>6</u>	/1/00
RESPONSIBLE EI	NGINEER REVIEW:						
Acceptable :	Yes 💥	No [] (VT-1C Exami	inatior	ı Reqi	uired)		
Comments:	/\						
							<u> </u>
Signature:	RAS	1/4	ח	ate:		61	Bo ler
-				J. J.			-/
AUTHORIZED NU	CLEAR INSPECTOR	REVIEW:					
Signature:			ם	ate:			



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#### FORM VT-3C (cont.) CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3C EXAMINATION

STATION/UNIT: Indian Point 2 COMPONENT NO.: VCC-11

No.	Comment	Initials
1	An area approx. 20' x 8' was not visible for direct visual examination due to obstruction by electrical cabinets.	



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STATION/UNIT: <u>Indian Point 2</u>	STATION/UNIT: Indian Point 2 COMPONENT NO.: VCC-12							
ZONE NUMBER: <u>IWL-088-001</u> DRAWING NO.: <u>320846</u>								
EQUIPMENT USED: Celestron Giant 2	x80 Binoculars (Ser. N	lo. 990	)176)		·			
		Wo	rk O	rder	NO. NP-99-11274			
Recording Conditions	Ri	NRI	NI	NA	Comments			
7.1.1.a Leaching or chemical attack			Х					
7.1.1.b Abrasion or comosion			Х					
7.1.1.c. Popouts or voids			Х	-				
7.1.1.d Scaling			х					
7.1.1.e Spalling			х					
7.1.1.f Corrosion staining			Х					
7.1.1.g Cracks			Х		-			
7.1.1.h . Settlement or deflection			х					
7.1.1.i Exposed reinforcing steel			х					
7.1.1.j Coating deterioration				х				
Other		Х			1			
(Note: Sketches may be attached to clarify inspection	as and locations of indication	s.)		<u> </u>				
EXAMINED BY: R. Namperumal	Nampennol		DAT	Έ: <u>5</u>	/26/00			
RESPONSIBLE ENGINEER REVIEW:								
Acceptable : Yes 📈 No	(VT-1C. Examination	n Req	uired)	)				
Comments: The observed or	dition remains f	ian.	oriai	inal	construction			
Comments: The abserved condition remains from original construction and does not reflect angoing degradation.								
				·	<del></del>			
Signature:		<b></b>		6/	20/00			
	L	Date:		7				
AUTHORIZED NUCLEAR INSPECTOR RI	/iEW·							
Signature:		Date:						



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Date: 5/10/00 Page 8 of 9

STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-12
		•

not indicate significant
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•
•



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Date: 5/10/00 Page 7 of 9

STATION/UNIT: Indian Point 2 COMPONENT NO.:	<u>VCC</u>	<u>2-13                                    </u>		·	
ZONE NUMBER: IWL-088-002 DRAWING NO.: 32	20847	7			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (Se	er. No	. 990 <sup>-</sup>	176)		
·		W	ork	ovde	r No. NP-99-11274
Recording Conditions	RI	NRI	Ni	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			X		
7.1.1.d Scaling	х				2
7.1.1.e Spalling			х		
7.1.1.f Corrosion staining			х		
7.1.1.g Cracks			Х		
7.1.1.h Settlement or deflection			Х		7.10.787
7.1.1.i Exposed reinforcing steel			х		
7.1.1.j Coating deterioration				x	
Other		х			1
(Note: Sketches may be attached to clarify inspection areas and locations of	indicat	lions.)			· · · · · · · · · · · · · · · · · · ·
EXAMINED BY: C. Sward Miles XUDIN			DAT	E: <u>5/</u>	31/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ∭ No ☐ (VT-1C Examin	nation	n Requ	Jired)		
Comments: the observed conditions remaind to not reflect					
Signature: Basic	D	ate:		6/	20/00
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	_ D	ate:		<u></u>	

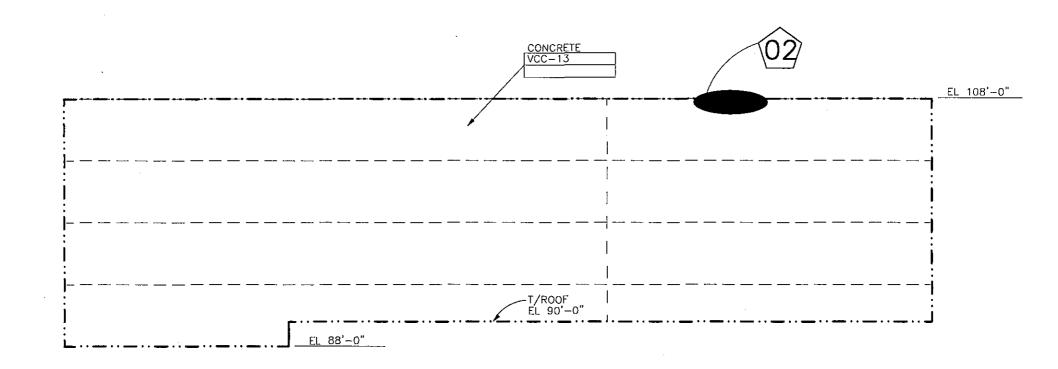


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Date: 5/10/00 Page 8 of 9

STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-13

No.	Comment	Initials
	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.	CAS
2	An area approximately 4' long by 1' high near the top of the zone & in line with the southern most relief valve silencer has aggregate exposed due to loss of surface paste. See photo 00053135	CAS
		٠



<u>CONCRETE INSPECTION ZONE IWL-088-002</u> (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.

IWL-088-002



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Date: 5/10/00 Page 7 of 9

STATION/UNIT: Indian Point 2 COMI	PONENT NO.: <u>VCC</u>	C-14			
ZONE NUMBER: <u>IWL-088-003</u> DRAV	VING NO.: 32084	3		<del></del> .	
EQUIPMENT USED: Celestron Giant 20x80	Binoculars (Ser. No	o. 990	176)		
		Wo	rk c	nder	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			х		
7.1.1.b Abrasion or corrosion			х		
7.1.1.c Popouts or voids			х		
7.1.1.d Scaling			х		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining			х		
7.1.1.g Cracks			х		
7.1.1.h Settlement or deflection			х		
7.1.1,i Exposed reinforcing steel	x				2,3
7.1.1.j Coating deterioration				х	
Other		Х			1
(Note: Sketches may be attached to clarify inspection area	s and locations of indica	tions.)			
EXAMINED BY: C. Sward (1)	and		DAT	Έ: <u>5</u> ,	/31/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes 🗌 No 💢	(VT-1C Examination	n Requ	uired)	)	
Comments:					
				-	
Signature:		ate:			6/20/00
		J.O.		<u> </u>	, /
AUTHORIZED NUCLEAR INSPECTOR REVIEW	V:				
Signature:	E	ate:			
				-	



IP2-CISI-004 Rev. 0

Date: 5/10/00 Page 8 of 10

ZONE NUMBER: IWL-088-003 DRAWING NO.: 3	20848	,-14 ≀			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (S			176)		· · · · · · · · · · · · · · · · · · ·
		_		orde	r No. NP-99-11279
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			х		
7.1.1.c Popouts or voids	-		х		
7.1.1.d Scaling		-	х		
7.1.1.e Spalling			х		
7.1.1.f Corrosion staining			х		
7.1.1.g Cracks			х		
7.1.1.h Settlement or deflection			х		
7.1.1.i Exposed reinforcing steel	Х				2,3
7.1.1.j Coating deterioration				х	
Other		Х	***		1
(Note: Sketches may be attached to clarify inspection areas and locations of	indicati	ons.)			
EXAMINED BY: C. Sward (MM) XXXXX			DAT	E: <u>5/3</u>	31/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes 🗌 No 💢					
Engineering Evaluation Required : Yes 💢 No		Ev	aluat	ion No	:: CRS 2000 04138
Comments: The exposed bors require for	uthe	c ev	aluo	mit	. The condition
described in comment # / arigi	nate	d fi	<u>aw</u>	auglv	of austroction and
does not reflect degradation.					
Signature:	_ D	ate:		6/	Balar
AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:				•	/
Signature:					

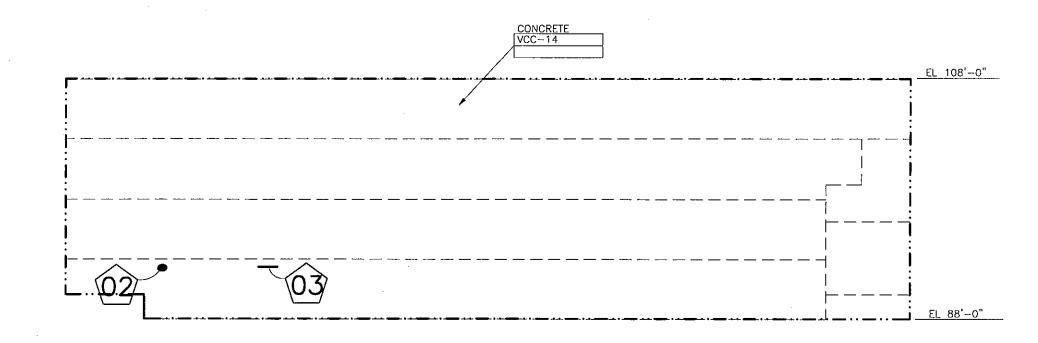


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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-14

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.	CAS
2	A small section of reinforcing steel is exposed and is corroded. Based on its size and orientation it does not appear to be main reinforcing steel but could be a shear bar. See photo 00053130	088
3	A small section of reinforcing steel is exposed and is corroded. Based on its size and orientation it does not appear to be main reinforcing steel but could be a shear bar. See photo 00053131	CAS



### CONCRETE INSPECTION ZONE IWL-088-003

(EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.

IWL-088-003

IWL-088-003



IP2-CISI-005 Rev. 0 Date: 5/10/00

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## FORM VT-3C CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3C EXAMINATION

STATION/UNIT: Indian Point 2 COMPONENT NO.: VCC-15

ZONE NUMBER: <u>IWL-088-004</u> DRAWING NO.: <u>3</u>	20849	9			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (S	er. No				
		VΫ́	rk	orde	r No. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack	Х				2
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			х		
7.1.1.d Scaling			, <b>X</b>		
7.1.1.e Spalling	Х				3
7.1.1.f Corrosion staining			Х	-	
7.1.1.g Cracks			Х		
7.1.1.h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel	Х				3,4,5
7.1.1.j Coating deterioration			<del></del>	Х	
Other		Х			1
(Note: Sketches may be attached to clarify inspection areas and locations of	indica	tions.)		"	
EXAMINED BY: R. Namperumal A. Munfammer	e		DAT	E: <u>5/</u> 2	25/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable: Yes  No (VT-1C Exami	natior	n Requ	uired)		
Comments:					
		·			
Signature:		ate:		6/	20/00
	_ '	aio.			
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			



IP2-CISI-004 Rev. 0

Date: 5/10/00 Page 8 of 10

TONE NUMBER: BALL 099 004 DRAWING NO. 3					
ZONE NUMBER: IWL-088-004 DRAWING NO.: 3			176)		
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (S	er. IVC			77 <i>5</i> 670	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack	Х				2.
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			x		
7.1.1.d Scaling			х		
7.1.1.e Spalling	х				3
7.1.1.f Corrosion staining			х		
7.1.1.g Cracks			х		
7.1.1.h Settlement or deflection			x		
7.1.1.i Exposed reinforcing steel	х	<del> </del>			3,4,5
7.1.1.j Coating deterioration	<del></del>			х	
Other		Х			1
(Note: Sketches may be attached to clarify inspection areas and locations of	indicati	ons.)			
EXAMINED BY: R. Namperumal	سل		DAT	Ξ: <u>5/2</u>	25/00
RESPONSIBLE ENGINEER REVIEW:					^
Acceptable : Yes  No					
		Εv	aluat	ion No	:: <u>CRS 2000 04138</u>
Comments: Engineering evaluation 15 requirements #3 #4 # #5. The comments #3	tod d	Ecti	e c	hibna o 20	
relative to autainment integrit	γ.				
Signature: Ba Su	D	ate:		6	130/00
AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:					· / ————
Signature:	r	Date:			
**************************************	_ `				

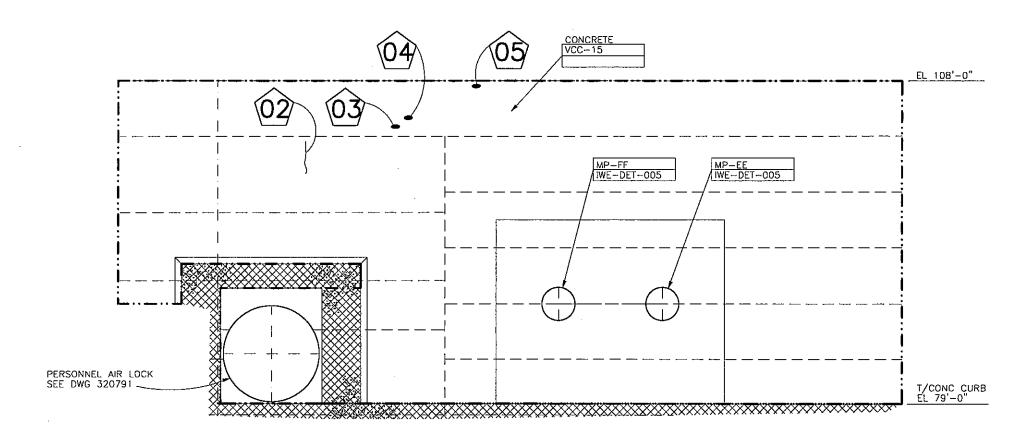


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Date: 5/10/00 Page 8 of 9

STATION/UNIT: Indian Point 2 COMPONENT N	O.: <u>VCC-15</u>
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	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.	LN
2	2' long white deposit from top of construction opening closure grout. See photo 00052616	PW
3	Concrete spall about 8" square area about to popout. See photo 00052613	RW
4	Rebar exposure accompanied by 4" concrete spall. See photo 00052613	RN
5	10"x4" concrete spall exposing 8" length of cadweld sleeve. Only 1/2" concrete cover in this area. See photo 00052615	EN



CONCRETE INSPECTION ZONE IWL-088-004 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.

IWL-088-004

IWL-088-004

IWL-088-004

00052616.jpg



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STATION/UNIT: Indian Point 2 COMPONENT					<u> </u>
ZONE NUMBER: <u>IWL-088-005</u> DRAWING NO	.: <u>320885</u>	50			
EQUIPMENT USED: None (see note 2)					
	·	Wor	'k 0	rder N	10. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			х		
7.1.1.d Scaling			х		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining			х		
7.1.1.g Cracks		<del> </del>	Х		
7.1.1.h Settlement or deflection			х		
7.1.1.i Exposed reinforcing steel		-	х		
7.1.1.j Coating deterioration				х	
Other		х			1
-					
(Note: Sketches may be attached to clarify inspection areas and location	ons of indica	tions.)			
EXAMINED BY: C. Sward Chill Sucond			DAT	E: <u>6/1/</u> 0	00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ∭ No ☐ (VT-1C E	xaminatior	n Requ	uired)	)	
Comments: The condition noted in comm					
construction and does not n	offect	<u>යා</u> ව්	<i>ω</i> , υΩ	<del>de</del> Br	adation.
Signature: Bushen	D	ate:		6/-	20/01
<i>'</i>					
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			



IP2-CISI-005 Rev. 0 Date: 5/10/00

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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-16

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.	CAS.
2	This area was examined from the concrete slab at El. 79'. The examination distances were a maximum of 25 feet. While this distance exceeds the limits for direct visual examination, it was too short for use of the binoculars due to their minimum focal length. Ambient (outdoor) lighting levels exceeded the 50 foot-candle requirement.	CASS



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STATION/UNIT: _	Indian Point 2	COMPONENT NO.:	<u>VCC</u>	<u>-17</u>			
ZONE NUMBER: <u>I</u>	NL-088-006	DRAWING NO.: 32	20857	7			
EQUIPMENT USE	D: <u>Celestron Gia</u>	nt 20x80 Binoculars (Se	er. No	. 990	176)		
				Wor	rk c	orde	r No. NP.99-11274_
Recording Condition	าร		RI	NRI	Ni	NA	Comments
7.1.1.a Leaching o	r chemical attack				Х		
7.1.1.b Abrasion o	r corrosion				Х		
7.1.1.c Popouts or	voids				х		
7.1.1.d Scaling					х		
7.1.1.e Spalling					х	-	
7.1.1.f Corrosion	staining				Х		
7.1.1.g Cracks		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Х		
7.1.1.h Settlement	or deflection				Х		
7.1.1.i Exposed re	einforcing steel	<b>9</b> 1.0.	·		Х		
7.1.1.j Coating de	terioration					х	-,,
Other		<del>- ,</del>		Х	·····		1
		7-14					
(Note: Sketches may	be attached to clarify inspe	ection areas and locations of	indicat	ions.)		<del></del>	
EXAMINED BY: _	R. Namperumal	a. Munfanne	al		DAT	E: <u>5</u>	/25/00
RESPONSIBLE EN	NGINEER REVIEW:	/					
Acceptable :	Yes 💢	No ☐ (VT-1C Examir	nation	n Requ	uired)		
Comments:	The condition	nated in comme	A #	-1 70	ssot	ted	from original
	•	and does not re		- 2			•
		- 4				~	
Signature:	BA.	<u> </u>		ate:		61	20 /01
J	200		_ 0	alt.			/
AUTHORIZED NU	CLEAR INSPECTOR	REVIEW:					
Signature:		· · · · · · · · · · · · · · · · · · ·	ח	ate:			
•				J			



IP2-CISI-005 Rev. 0 Date: 5/10/00

Date: 5/10/00 Page 8 of 9

STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-17	
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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.	RN
		•
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STATION/UNIT: Indian Point 2 COMPONENT NO	N/UNIT: Indian Point 2 COMPONENT NO.: VCC-18				
ZONE NUMBER: <u>IWL-108-001</u> DRAWING NO.: <u>320852</u>					
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (	Ser. No	. 990 <sup>-</sup>	176)		
		Wo	rk c	order (	No. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack	х				2,3
7.1.1.b Abrasion or corrosion			х		
7.1.1.c Popouts or voids			х		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7.1.1.d Scaling			Х		
7.1.1.e Spalling			х		
7.1.1.f Corrosion staining			Х		
7.1.1.g Cracks			х		
7.1.1.h Settlement or deflection			х		
7.1.1.i Exposed reinforcing steel			х		
7.1.1.j Coating deterioration				х	
Other		x			1
		<del> </del>			
(Note: Sketches may be attached to clarify inspection areas and locations	of indicat	tions.)		<u> </u>	
EXAMINED BY: R. Namperumal	ma	<u>L</u>	DAT	E: <u>5/</u> 2	26/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ∭ No ☐ (VT-1C Exar	ninatior	ı Requ	uired)	}	
comments: The observed conditions one containment integrity.	e not	ള്ള	oftio	ant 1	elative 40
	····	<u>, ,</u>			5 6 2
Signature: Survival	D	ate:		61	30/00
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			

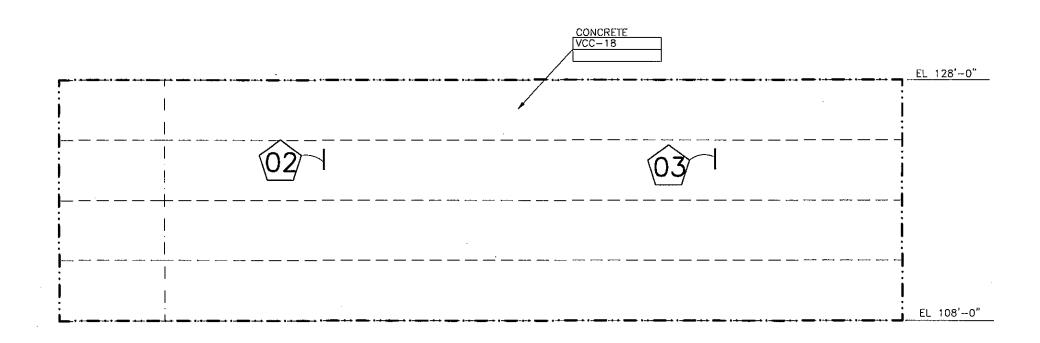


IP2-CISI-005 Rev. 0 Date: 5/10/00

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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-18
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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.	pN
2	18" long leaching from the construction joint down to the form tie hole mortar patch	<del> </del>
		RN
3	leaching about the same length as in item 2	0.1
		RN
		•
		:



CONCRETE INSPECTION ZONE IWL-108-001 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.



IP2-CISI-005 Rev. 0 Date: 5/10/00

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### FORM VT-3C CONTAINMENT INSERVICE INSPECTION RECORD OF VT-3C EXAMINATION

STATION/UNIT: Indian Point 2 COMPONENT NO.: VCC-19

ZONE NUMBER: <u>IWL-108-002</u> DRAWING NO.:	320853	3			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (	Ser. No	. 990 <sup>-</sup>	176)		
		Wo	rk o	nder N	0: NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack	х				5
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids			Х		
7.1.1.d Scaling			Х		
7.1.1.e Spalling			Х		
7.1.1.f Corrosion staining		Х			3,4
7.1.1.g Cracks			X		
7.1.1.h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel	х				2
7.1.1.j Coating deterioration				х	
Other		Х	ı		1
			é		
(Note: Sketches may be attached to clarify inspection areas and locations	of indicat	ions.)			
EXAMINED BY: C. Sward (MX) XXXXX	,,		DAT	E: <u>6/1/</u> 0	00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ☐ No ☒ (VT-1C Exa	minatior	ı Reqi	uired)		
Comments:					
		, <del></del> -			
				<del> · · · · · · · · · · · · · · · · · ·</del>	
Signature:	D	ate:		6/30	100
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			



IP2-CISI-004 Rev. 0

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STATION/UNIT: _	Indian Point 2	COMPONENT NO.:	<u>vcc</u>	<b>)-19</b>			
ZONE NUMBER: 1	WL-108- <u>00</u> 2	DRAWING NO.: <u>32</u>	0853	3			
EQUIPMENT USE	D: <u>Celestron Gia</u>	nt 20x80 Binoculars (Se	r. No	<u>. 990</u>	176)		
	·			Wo	rk o	rder	NO. NP-99-11274
Recording Condit	ions		RI	NRI	NI	NA	Comments
7.1.1.a Leaching	or chemical attack		Х				5
7.1.1.b Abrasion of	or corrosion				Х		
7.1.1.c Popouts o	r voids				Х		
7.1.1.d Scaling					Х		
7.1.1.e Spalling					Х		
7.1.1.f Corrosion	staining			Х			3,4
7.1.1.g Cracks			•		Х		·
7.1.1.h Settlemen	t or deflection				Х		
7.1.1.i Exposed r	einforcing steel		Х				2
7.1.1.j Coating de	eterioration		·			Х	
Other			·	Х			1
(Note: Sketches may	be attached to clarify inspe	ection areas and locations of in	ndicati	ions.)			
EXAMINED BY:	C. Sward MM	) Suard			DAT	E: <u>6/1</u>	1/00
RESPONSIBLE EN	NGINEER REVIEW:						
Acceptable :	Yes 🗌 No	X .					
Engineering E	Evaluation Required :	Yes X No		Ev	aluat	ion No	:: <u>CRS 2000 04 38</u>
Comments: Engineering evolucition is required for the exposed reinforcing steel							
(comment #2, #3 4 #4). The leaching (comment *5) is not significant. The				not significant. The			
		(comment #1) results d	mor	<u>angi</u>	nal 1	onstr	nation and goes
Signature:	not reflect degree	dottien.				<u> </u>	Pales
Olgridiano.	BU	4 the	_ L	ate:		<i>b(</i> <sup>s</sup>	
AUTHORIZED NU	CLEAR INSPECTOR	(ANII) REVIEW:					
Signature:			_ [	Date:			

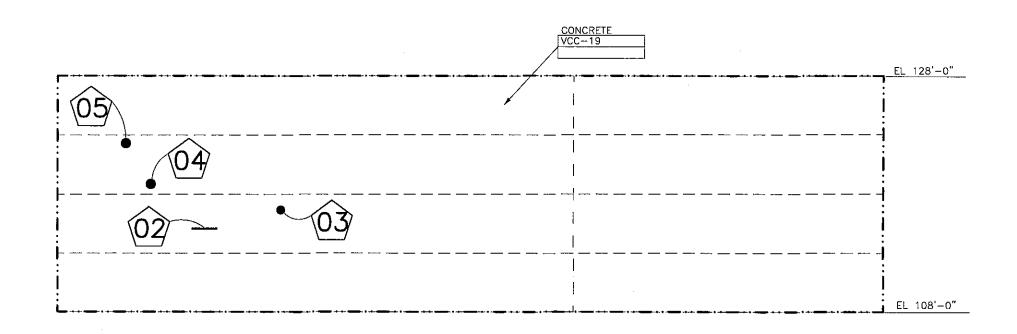


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STATION/UNIT: _	Indian Point 2	COMPONENT NO.: VCC-19
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No.	Comment	Initials
1	Non-uniformity of surface color and texture observed at various locations in the zone. The condition does not indicate significant material deterioration of the concrete.	CAS
2	Exposed cadweld (approx. 9" long) with corrosion apparently due to inadequate cover. See photo 00060116	CAS
3	A small spot of corrosion appears on the concrete surface. It is not apparent whether this is reinforcing steel, a cadweld or miscellaneous steel. See photo 00060117.	OAS
4	A small spot of corrosion appears on the concrete surface. It is not apparent whether this is reinforcing steel, a cadweld or miscellaneous steel. See photo 00060118	CAS
5	Leaching is evident approximately 18" long extending downward from the construction joint.	CAS



CONCRETE INSPECTION ZONE IWL-108-002 (EXTERIOR DEVELOPED VIEW, LOOKING FROM OUTSIDE)



-DENOTES COMMENT NUMBER ON INSPECTION FORM.



IWL-108-002

IWL-108-002

IWL-108-002



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STATION/UNIT: Indian Point 2 COMPONENT NO	.: <u>VCC</u>	-20			<u> </u>
ZONE NUMBER: <u>IWL-108-003</u> DRAWING NO.: 3	320854	<u> </u>			
EQUIPMENT USED: Celestron Giant 20x80 Binoculars (S	Ser. No	<u>. 990</u>	176)	·	<u>_</u>
		Wo	rk (	order	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		
7.1.1.b Abrasion or corrosion			Х		
7.1.1.c Popouts or voids		х			6,7
7.1.1.d Scaling			х		
7.1.1.e Spalling	х				2,4,5,8,9
7.1.1.f Corrosion staining	х				6
7.1.1.g Cracks		Х	- <del></del>		7
7.1.1.h Settlement or deflection			X		
7.1.1.i Exposed reinforcing steel	х				
7.1.1.j Coating deterioration				х	
Other		Х			1
			-		
(Note: Sketches may be attached to clarify inspection areas and locations	of indicat	lions.)			<u> </u>
EXAMINED BY: R. Namperumai R. Mangan			DAT	E: <u>5/2</u> 0	6/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes ☐ No X (VT-1C Exam	ninatior	ı Reqi	uired)		
Comments:					
Signature:	D	ate:		6	130/00
				ŀ	
AUTHORIZED NUCLEAR INSPECTOR REVIEW:					
Signature:	D	ate:			



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STATION/UNIT: Indian Point 2 COMPONENT ZONE NUMBER: IWL-108-003 DRAWING NO				···-	<del></del> -
EQUIPMENT USED: Celestron Giant 20x80 Binocula	•		176)		
<del></del>				nder 1	NO. NP-99-11274
Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Leaching or chemical attack			Х		<del></del>
7.1.1.b Abrasion or corrosion		-	Х		
7.1.1.c Popouts or voids		X			6,7
7.1.1.d Scaling	+		X		
7.1.1.e Spalling	Х				2,4,5,8,9
7.1.1.f Corrosion staining	Х				6
7.1.1.g Cracks		X			7
7.1.1.h Settlement or deflection			Х		
7.1.1.i Exposed reinforcing steel	Х				
7.1.1.j Coating deterioration				х	
Other	***	Х			1
(Note: Sketches may be attached to clarify inspection areas and location	ons of indicat	ions.)			
EXAMINED BY: R. Namperumal & Many	serviel	2	DATI	E: <u>5/26</u>	6/00
RESPONSIBLE ENGINEER REVIEW:					
Acceptable : Yes 🗌 No 💢					
Engineering Evaluation Required : Yes	No 🗌	Εv	aluat	ion No.:	CRS 2000 04138
Comments: The surface texture (comment #1	) resulter	t for	n an	ginal o	onstruction and doc
not reflect degradation of the				in <del>es</del> pin	is envioration re
needed for all of the other alor	ssined a	Theme	200	<u> </u>	
Signature: ####################################		ate:		6/20	1/01/
AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:				,	
• ,					
Signature:		Date:			



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STATION/UNIT:	Indian Point 2	COMPONENT NO.: VCC-20

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.	RN
2	6" diameter of concrete about to spall. See photo 00053113	RN
3	cadweld sleeve exposure, 6" long accompanied by concrete spall. See photo 00053113	RN
4	6" concrete spall. See photo 00053114	RN
5	6" concrete about to spall. See photo 00053115	RN
6	corrosion staining from 1 1/2" void hole. See photo 00053116	RW
7	4 bug holes along a minor horizontal crack about 20 mils wide. See photo 00053117	M
8	3" concrete hole (spall) and 6" more concrete about to spall and expose reinforcing steel. See photo 00053118	RN
9	8" concrete about to spall. See photo 00053119 and 00053132	PN