

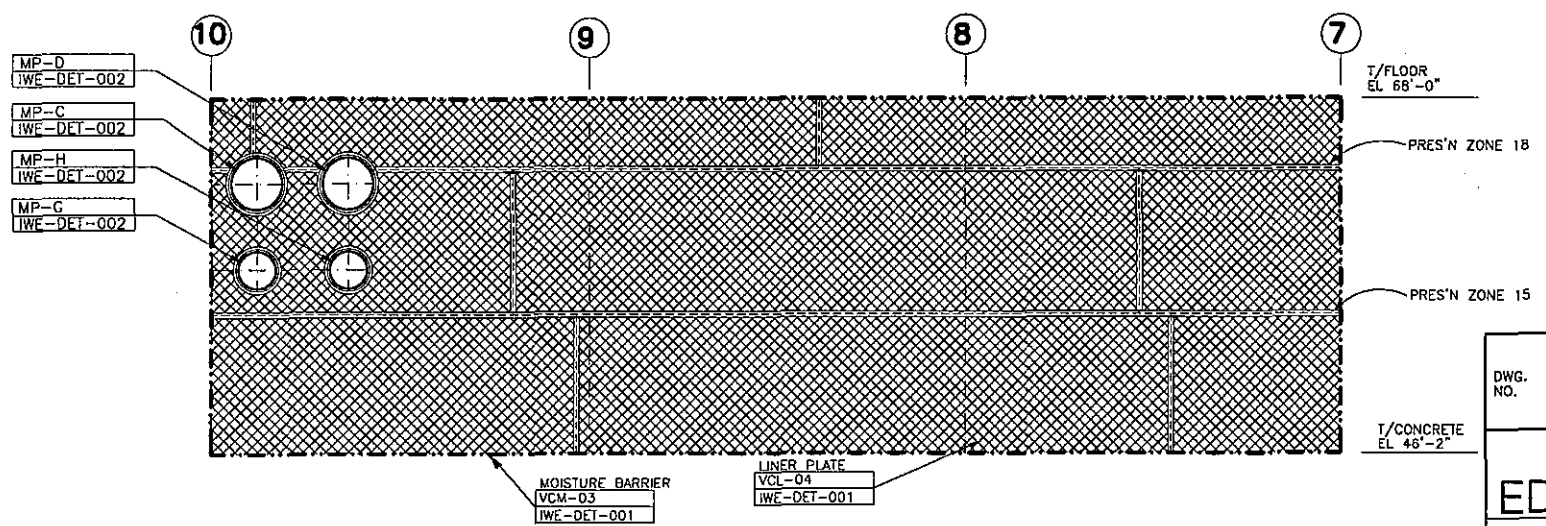


**INDIAN POINT UNIT 2
CONTAINMENT INSERVICE INSPECTION
FIRST PERIOD EXAMINATIONS**



**Category E-D, Moisture Barrier Examinations
Tab A - Inspection Drawings**

00-867079



LINER INSPECTION ZONE IWE-046-003
 (INTERIOR DEVELOPED VIEW, LOOKING INSIDE OUT)

FOR NOTES AND LEGENDS SEE DRAWING 320795.

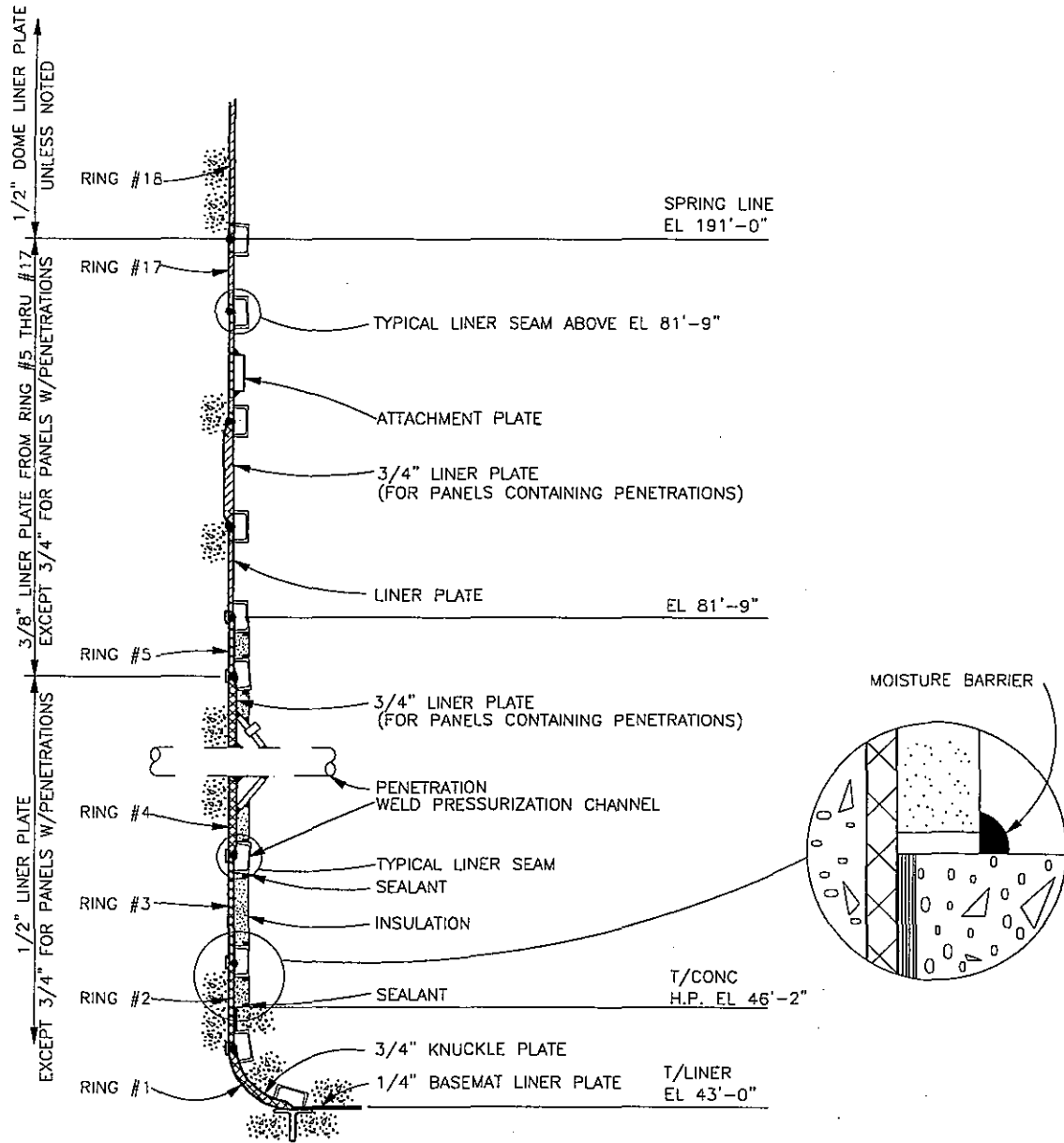
COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

REVISION	
USE .1 SIZE TEXT ONLY	
REVISION SIGNATURES	
REV	PROJECT ENGINEER
00	

DWG. NO.	320798-00	
CON EDISON	DWG. TYPE	
	DWG. SIZE	D
LOCATION: INDIAN POINT UNIT 2		
TITLE: CONTAINMENT ISI		
LINER INSPECTION ZONE		
IWE-046-003		
- APPROVALS -		
ENGINEERING MANAGER:		
PROJECT ENGINEER:		
DESIGNER:		
DRAWN BY:		
SCALE:	DISCIPLINE CODE:	

320798-00

320885-00



- NOTES:
1. REFERENCE DESIGN DRAWING NUMBERS 9321-F-1122, 9321-F-1153 & 9321-F-1280.
 2. REFERENCE CB&I DRAWING NUMBER 6 (36CB17).

SECTION
IWE-DET-001
CONTAINMENT LINER

- LEGEND:
- COMPONENT/SURFACE, WITHIN IWE BOUNDARY REQUIRING INSPECTION (SUR)
 - COMPONENT/SURFACE, WITHIN IWE BOUNDARY INACCESSIBLE FOR INSPECTION

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

CON EDISON	DWG NO. 320885-00		REV. 00	REVISION USE .1 SIZE TEXT ONLY	
	DWG SIZE: E TYPE: COMPANY		PROJECT ENGINEER:		
LOCATION: INDIAN POINT UNIT 2		REVISION SIGNATURE			
TITLE: CONTAINMENT ISI LINER INSPECTION DETAIL					
ENG. MGR	DESIGNER:		SCALE: NONE		DISC CODE:
PROJ. ENG.	DRAWN BY:				

320885-00



**INDIAN POINT UNIT 2
CONTAINMENT INSERVICE INSPECTION
FIRST PERIOD EXAMINATIONS**



**Category E-D, Moisture Barrier Examinations
Tab B - Listing of Scheduled Exams**

CATEGORY E-D

IWE COMPONENTS SCHEDULED BY OUTAGE

Containment Inservice Inspection Program
First Containment Inspection Interval
Outage 2000RFO

Component	Component Type Description	Detail Drawing	Cat.	Item	Schedule			Exam Scheduled	Outage	Relief Request	Inspect From	
					Int	Per	Out				Inside/Outside	
VCM-03	Moisture Barrier	IWE-DET-001	E-D	E5.30	1	1	1	VT-3	2000RFO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VCM-04	Moisture Barrier	IWE-DET-001	E-D	E5.30	1	1	1	VT-3	2000RFO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



**INDIAN POINT UNIT 2
CONTAINMENT INSERVICE INSPECTION
FIRST PERIOD EXAMINATIONS**



**Category E-D, Moisture Barrier Examinations
Tab C - Listing of Examination Results**

IWE EXAMINATION RESULTS

Containment Inservice Inspection Program
First Containment Inspection Interval

CATEGORY E-D

Outage Number 2000RFO

Component	Outage Number	Exam	Complete	Limited Exam	Exam Date	Examined By	Report Number	Work Order Number	Results	Exam Notes
VCM-03	2000RFO	VT-3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5/25/00	J. Webster		NP-99-11275	RI	Recordable between columns 7-8, crack in sealant. PHOTO'S 14 and 15. Recordable 18 inches from first, two holes See photo 16. NRI between columns 8-9, new sealant applied over old sealant, old sealant showing through. No sealant behind column 10. Open hole to the liner. See photo 17 through 19.
VCM-04	2000RFO	VT-3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5/25/00	J. Webster		NP-99-11275	RI	Column 10-11 NI. Column 11-12 NI. Column 12-13 RI, old sealant is pulling away from the wall and the floor, starting at column 13 and continuing to 8 feet towards column 12. Photo's 20,21 and 22.



**INDIAN POINT UNIT 2
CONTAINMENT INSERVICE INSPECTION
FIRST PERIOD EXAMINATIONS**



Category E-D, Moisture Barrier Examinations

Tab D - Inspection Records

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

w/o # NP-99-11273

STATION/UNIT: Indian Point 2 COMPONENT NO.: VC M-03

ZONE NUMBER: WE-046-00-3(C.1.7-8) DRAWING NO.: 320798-00

EQUIPMENT USED: Flashlight, Light meter (GE TYPE 217) Digital Camera w/ISO f.c. of FLIGHT,

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris		✓			Debris in and around sealant at moisture barrier
7.1.1.b Corrosion or mechanical damage				✓	
7.1.1.c Loose or missing parts				✓	
7.1.1.d Missing or incomplete welds				✓	
7.1.1.e Cracks or linear indications				✓	
7.1.1.f Bulges				✓	
7.1.2 Damage or degradation evident through coating				✓	
7.1.3 Degradation in uncoated areas.				✓	
7.1.4 Damage or degradation of seal or gasket				✓	
7.1.5 Damage or degradation of moisture barrier	✓				Separation (Crack) ① refer to comment sheet

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John P. Webster & John A. Webster Date: 5-25-00

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: Recommendation: Repair Crack in sealant.
Repair Area 18" to the left of the crack two holes photo # 16.

Signature: John P. Webster Level III Date: 5/25/2000

AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:

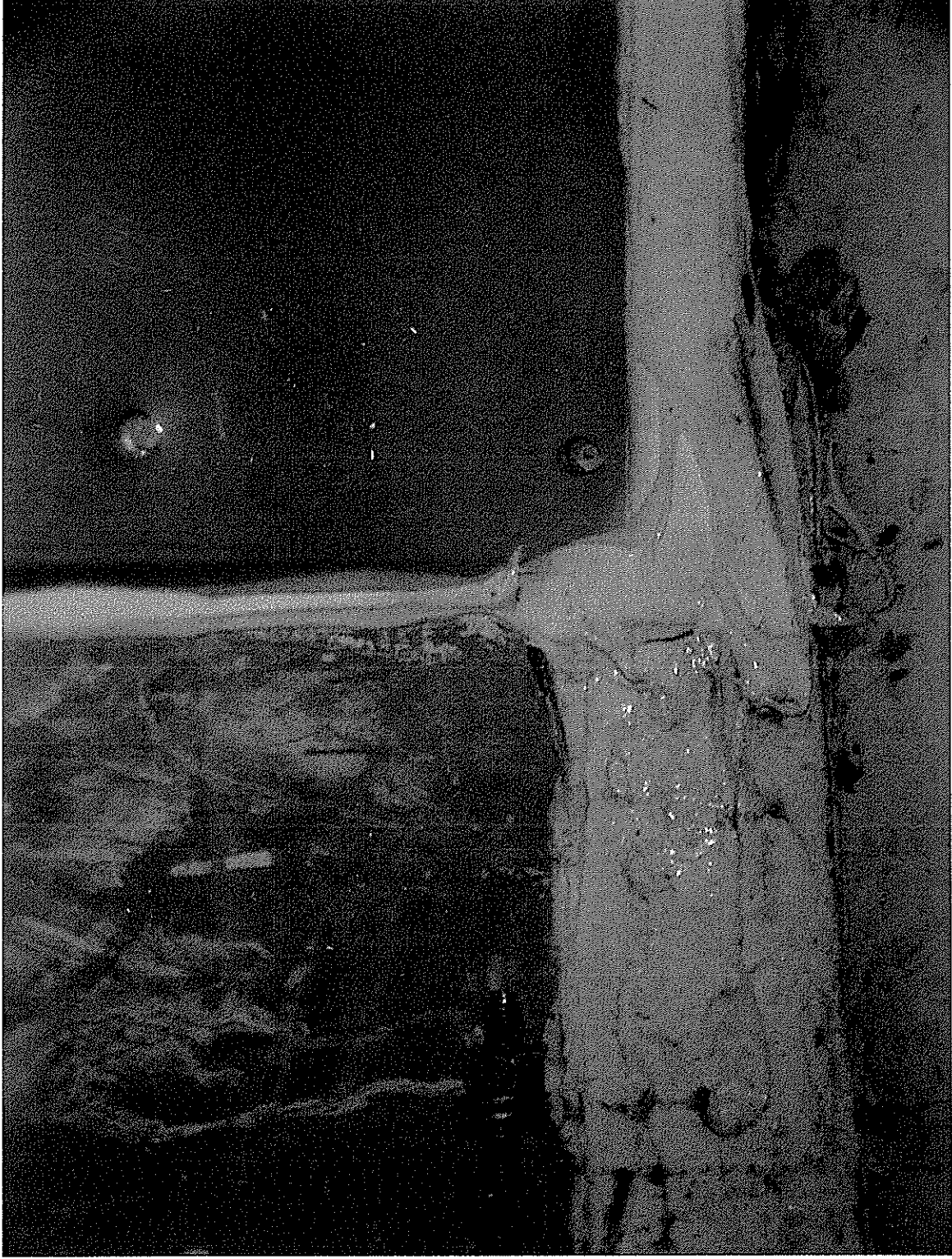
Signature: _____ Date: _____

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

COMMENT SHEET

STATION/UNIT: Indian Point 2 COMPONENT NO.: VC M-03 (Col. 7-8)

No.	Comment	Initials
1	New sealant was applied over old uncleaned sealant. Where	
	The old and the new sealant meet, a separation (crack)	
	in the sealant is evident - NOTE Photo's #14+15	S/W
		5/25/00
	Photo #16 shows two additional areas where the sealant	
	has a separation. These should be repaired.	S/W S/25/00



VCM-03 Photo 14

00052514.jpg



00052515.jpg

VCM-03 Photo 15



VCM-03 Photo 16

00052516.jpg

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

U/O # NP-99-11273

STATION/UNIT: Indian Point 2 COMPONENT NO.: ICM-03
 ZONE NUMBER: WE-046-003 (L.P. 4) DRAWING NO.: 320798-00
 EQUIPMENT USED: Flashlight, Light meter (GE Type 217) Digital Camera w/150 f.c. of light.

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris				✓	
7.1.1.b Corrosion or mechanical damage				✓	
7.1.1.c Loose or missing parts				✓	
7.1.1.d Missing or incomplete welds				✓	
7.1.1.e Cracks or linear indications				✓	
7.1.1.f Bulges				✓	
7.1.2 Damage or degradation evident through coating				✓	
7.1.3 Degradation in uncoated areas.				✓	
7.1.4 Damage or degradation of seal or gasket				✓	
7.1.5 Damage or degradation of moisture barrier		✓			① Refer to Comment Sheet

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John C. WEBSTER (J.C.W.) Date: 5-25-00

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No SLD 5/25/2000

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: _____

Signature: [Signature] Level III Date: 5/25/2000

AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:

Signature: _____ Date: _____

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

COMMENT SHEET

STATION/UNIT: Indian Point 2 COMPONENT NO.: VCM-03 (Cl. 8A)

No.	Comment	Initials
①	White CAULK over Dirty Black sediment. Intermittent GAPS along old	
	^{5/18/00} CAULK CAULK.	JW
		5/25/00

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

STATION/UNIT: Indian Point 2 COMPONENT NO.: W/O# NP-99-11273 √CM-03
 ZONE NUMBER: 1WE-046-003(Col. 9-10) DRAWING NO.: 32098-00
 EQUIPMENT USED: Flashlight, Lightmeter (GE TYPE 217), Digital Camera w/150 Fc. Flight

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris			✓		
7.1.1.b Corrosion or mechanical damage	✓				
7.1.1.c Loose or missing parts				✓	
7.1.1.d Missing or incomplete welds				✓	
7.1.1.e Cracks or linear indications				✓	
7.1.1.f Bulges				✓	
7.1.2 Damage or degradation evident through coating	✓				
7.1.3 Degradation in uncoated areas.				✓	
7.1.4 Damage or degradation of seal or gasket				✓	
7.1.5 Damage or degradation of moisture barrier	✓				① See Comment sheet

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John L. Webster, Paul L. Walter Date: 5-25-2000

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: Recommendation: Repair ACRH At Column 10.

Signature: [Signature] Level III Date: 5/25/2000

AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:

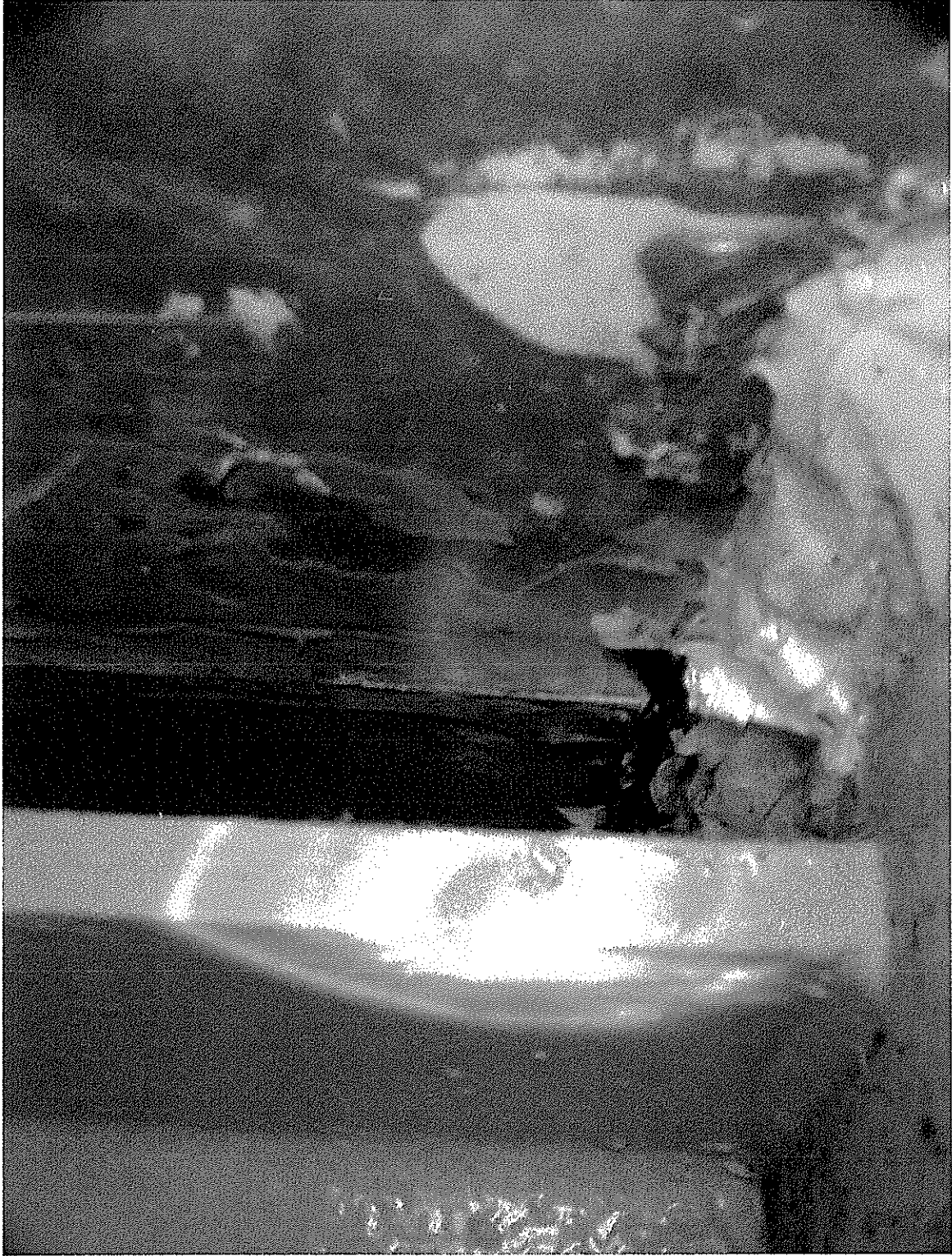
Signature: _____ Date: _____

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

COMMENT SHEET

STATION/UNIT: Indian Point 2 COMPONENT NO.: ICM-03 (Col. 9-10)

No.	Comment	Initials
①	NEW CAULKING (White color) over old CAULKING (GREY/PINK) - ^(RI) 16 CAULKING behind	
	Column 10. Photos 17, 18 + 19 of Hole, ^{MISSING} CAULKING REVEALING RUSTED METAL.	JLW 5/25/00



00052517.jpg

VCM-03 Photo 17



00052518.jpg

VCM-03 Photo 18



00052519.jpg

VCM-03 Photo 19

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

STATION/UNIT: Indian Point 2 COMPONENT NO.: W/O* NP-99-11273 VCM-04
 ZONE NUMBER: IWE-0410-004 (Col. 10-11) DRAWING NO.: 320799-00
 EQUIPMENT USED: Flashlight, Lightmeter (GE TYPE 217), Digital Camera w/ISO Feo Flight

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris			✓		
7.1.1.b Corrosion or mechanical damage				/	
7.1.1.c Loose or missing parts				/	
7.1.1.d Missing or incomplete welds				/	
7.1.1.e Cracks or linear indications				/	
7.1.1.f Bulges				/	
7.1.2 Damage or degradation evident through coating				/	
7.1.3 Degradation in uncoated areas.				/	
7.1.4 Damage or degradation of seal or gasket				/	
7.1.5 Damage or degradation of moisture barrier			✓		① SEE Comment 9/17

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John L. WEBSTER John L. Wolke Date: 5/25/00

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: _____

Signature: [Signature] Level III Date: 5/25/2000

AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:

Signature: _____ Date: _____



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

COMMENT SHEET

STATION/UNIT: Indian Point 2 COMPONENT NO.: VCN-04 (Col. 10-11)

No.	Comment	Initials
①	NEW CAULKING OVER OLD CAULK WITHIN 4 FEET OF COLUMN 10. AFTER	
	THE 4 FEET OLD CAULKING ONLY. OLD CAULK APPEARS O.K.	JLW 5/25/00

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

STATION/UNIT: Indian Point 2 ^{W/P # NP99-11273} COMPONENT NO.: VCM-04
 ZONE NUMBER: IWE-046-004 (Col. 11-12) DRAWING NO.: 320799-00
 EQUIPMENT USED: Flashlight, Lightmeter (GE type 217), Digital Camera, w/ISO FC of 1/500.

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris			✓		
7.1.1.b Corrosion or mechanical damage				✓	
7.1.1.c Loose or missing parts				✓	
7.1.1.d Missing or incomplete welds				✓	
7.1.1.e Cracks or linear indications				✓	
7.1.1.f Bulges				✓	
7.1.2 Damage or degradation evident through coating				✓	
7.1.3 Degradation in uncoated areas.				✓	
7.1.4 Damage or degradation of seal or gasket				✓	
7.1.5 Damage or degradation of moisture barrier			✓		new caulking over old caulking.

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John C. Webster John C. Webster Date: 5/25/00

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: _____

Signature: [Signature] Level III Date: 5/25/2000

AUTHORIZED NUCLEAR INSPECTOR (ANII) REVIEW:

Signature: _____ Date: _____

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

STATION/UNIT: Indian Point 2 COMPONENT NO.: W/B# NP-99-11273 VCM-04
 ZONE NUMBER: IWE-046-004 (Col. 12-13) DRAWING NO.: 320799-00
 EQUIPMENT USED: Flashlight, Light meter (GE type-217), Digital camera, w/150 Fc of light.

Recording Conditions	RI	NRI	NI	NA	Comments
7.1.1.a Contaminants or debris			✓		
7.1.1.b Corrosion or mechanical damage				✓	
7.1.1.c Loose or missing parts				✓	
7.1.1.d Missing or incomplete welds				✓	
7.1.1.e Cracks or linear indications				✓	
7.1.1.f Bulges				✓	
7.1.2 Damage or degradation evident through coating				✓	
7.1.3 Degradation in uncoated areas.				✓	
7.1.4 Damage or degradation of seal or gasket				✓	
7.1.5 Damage or degradation of moisture barrier	✓				① See comment SHT

(Note: Sketches may be attached to clarify inspection areas and locations of indications.)

EXAMINED BY: John L. Webster John L. Webster Date: 5/25/00

LEVEL III EXAMINER REVIEW:

Acceptable: Yes No

Engineering Evaluation Required: Yes No Evaluation No.: _____

Comments: Recommendation: Repair Sealant.

Signature: [Signature] Level III Date: 5/25/00

AUTHORIZED NUCLEAR INSPECTOR (ANI) REVIEW:

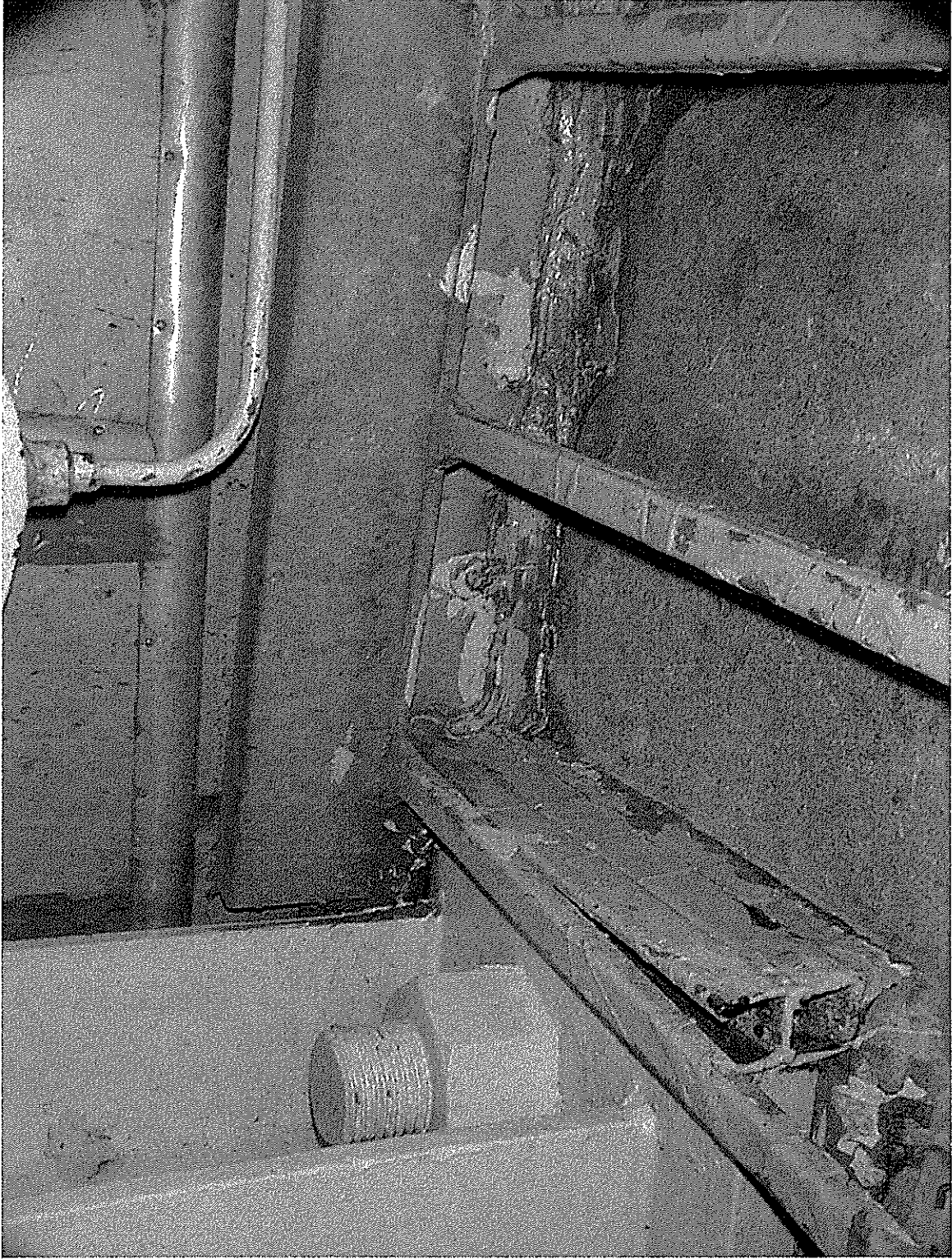
Signature: _____ Date: _____

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

COMMENT SHEET

STATION/UNIT: Indian Point 2 COMPONENT NO.: VE-M-04 (Col. 12-13)

No.	Comment	Initials
①	DID walking pulling away from moisture barrier (the wall and floor)	
	starting at Column 13 and going 8 feet to the right (towards	
	Column 12). Refer to Photos 20, 21 and 22.	JW
		5/25/00



00052520.jpg

VCM-04 Photo 20



00052521.jpg

VCIM-04 Photo 21



00052522.jpg

VCIM-04 Photo 22