



A-19
10/22/84
50-400-0L

Applicants' Exhibit 19
Eddleman Contention 65
Docket No. 50-400

Pour Package
Placement 1CBXW425001

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 19
In the matter of Sharon Harris
Staff _____ IDENTIFIED ☒
Applicant ☒ RECEIVED ☒
Intervenor _____ REJECTED _____
Cont'g Off'r _____
Contractor _____ DATE 10-22-84
Other _____ Witness _____
Reporter JW

8412170333 841022
PDR ADDCK 05000400
G PDR

12/81

CONCRETE
PLACEMENT
REPORT

000571

CP&L

SHNPP

Sh. 2018

Exhibit 1
WP-05

FILE

PLACEMENT NUMBER

1513XW425001

LOCATION (INCLUDE ELEV. IF IN BLDG.)

CONTAINMENT #1 EL 425

SCHEDULED DATE:

10-5-82

TYPE PLACEMENT

EAT. DOME

ESTIMATED QUANTITY

105 CY

TEMP LIMIT

50°-70° F

SLUMP LIMIT

8"

SEISMIC CLASS I

YES NO

X

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES)

CURING

TRANSPORTING

BUGGY

☐

BUCKET

☐

CONVEYOR

☐

PUMP

☒

TRUCK

☐

PLACING

CHUTE

TREMIE

DROP

☒

VIBRATION

INTERNAL

☒ FORM

FINISHING

☒ STEEL TROWEL☐ WOOD FLOAT☐ HAIR BRUSH

BROOM FINISH

RUBBER FLOAT

FORMED SURF

☐ FORMS ALONE☒ TARPS☐ INSULATION☐ FORMS & WATER☐ N/A (WATER)

UNFORMED SURF

WATER

ON 230 C.S.

☐ WET BURLAP☐ POLYETHYLENE☐ CURING COMPOUND☐ KUREZ

ON UCT. FACE

☐ NUTEC 10

GALLONS REQUIRED

4 1/2

ANTICIPATED WEATHER
CONDITIONS:

NORMAL

PROTECTION

C-170000

CURE (DAYS)

7

PRIMARY MASONRY DWG. NO.

2167-G-0640-R-5

RATE OF RISE

2'/hr

DES. STRENGTH

4,000 PSI

DESIGN MIX CODE

M-1811*

COMMENT & CLARIFICATION TO PROPOSED METHODS

EL 421-425; A2 90°-180°; 270°-360°

A-M-12 PUMP GROUT TO BE USED AND

F-10 MORTAR PLACED ON FACE.

NAME/TITLE, PERSON SUBMITTING ALL THE ABOVE

BY: [Signature] TITLE: A.E.

DATE: 10/5/82

PRE-PLACEMENT
CHECKOUT

CONSTRUCTOR

CONST. INSPECTION

QUALITY ASSURANCE

		REF. PROC.	CRAFT SUPT.	FIELD ENG.	DATE	INSPECTOR	H	Q.C. SIGNOFF	DATE	Q.A. SIGNOFF
1	CONTACT SURFACES	WP-05	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
2	FORMS	WP-22	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
3	REINFORCING STEEL	WP-11	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
4	EMBEDS		R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
5	MECHANICAL									
	EMBEDS									
	PIPE	WP-102	J. Smith	10-6	J. A. Cusumano				9-27-82	R. B. [Signature]
6	ELECTRICAL	WP-201	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
7	CADWELDS	WP-01	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
8	BOP WELDING									
9	CODE/SEISMIC WELDING									
10	CLEAN-UP	WP-05	R. Bredlow	10-6	R. Bredlow				9-27-82	X. K. [Signature]
11										
12										

CONSTRUCTOR SIGNOFF (AREA SUPT)

R. Bredlow

TIME: 10 AM

DATE: 10-6-82

CL. SIGNOFF

Russell L. Bredlow

TIME: 10:45 AM

DATE: 10-6-82

DESIGN APPROVAL

[Signature]

TIME OF START

12:00 NOON

DATE PLACED

10-06-82

YDS. CONCRETE

DELIVERED

1116

YDS PLACED IN

THIS PLACEMENT

120

YARDS WASTED

109

CONCRETE

3

YARDS GROUT

DELIVERED

M-10

CONCRETE

1113

GROUT

M-10

YARDS PLACED

ELSEWHERE

0

CONCRETE

0

GROUT

0

ACCEPTANCE OF PLACEMENT METHODS & COMPLETENESS OF ABOVE INFORMATION

NAME: Russell L. Bredlow

TITLE: C.I.

DATE: 10-6-82

REMARKS (ATTACH RELEVANT REPORTS)

CONCRETE TO BE PLACED CONTINUOUSLY & SYMMETRICALLY PER 2167-G-0640

* Temporarily release rebar for concrete release, applied in blue - Respond to it.

* Recheck prior to placement at 10/6/82 SAT.

R.B. 10-6-82

PRECHECKOUT DATA BY PLACING ORGANIZATION

PRE-PLACEMENT CHECKOUT

POST PLACEMENT

Rev. 7
7/81

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1
TP-15
P. 2 of 8

PLACEMENT CHECKLIST

PLACEMENT NO. ICBW425001

LOCATION Cent. #1 Ext. Wall

Az. 90° to 180°, el. 421' to 425' (I.F.)

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat.	RLB
Rate of Placement	Sat.	RLB
Hot Weather Conditions	N/A	RLB
Cold Weather Conditions	N/A	RLB
Layer Thickness	Sat.	RLB
Use of Placing Equipment	Sat.	RLB
Consolidation	Sat.	RLB
Embedded Items	Sat.	RLB
Forms	Sat.	RLB
Cleanup Maintained	Sat.	RLB
Mixing To Placing Intervals	Sat.	RLB
Shifted/Removed Rebar Replaced	Sat.	RLB
COMMENTS <u>A very smooth and satisfactory placement</u>		

CONSTRUCTION INSPECTOR

Russell J. Buccellone DATE 10-6-82

CONSTRUCTION INSPECTION SUPERVISOR

Hebert L. Taylor DATE 10-7-82

Rev. 5
8/82

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1
TP-22
Sheet 3 of 8

FIELD INSPECTION REPORT FOR REINFORCING STEEL -
REQUIRED DRAWINGS

Placement Number 1CBXL425001

Coordinates A2.90° to 180° & 270° to 360°

Elevation 421' to 426' (i.p.)

C.I. Review David J. Bueckel

Computer Printout Reviewed 10-5-82

Daily Document Log Checked 10-5-82

Document Control Contacted 10-6-82

Area Engineer Review [Signature]

Drawings Required/Revision:

Affecting Documents

Masonry

CAR-2167-G-0630(R8)
-0640(R5)

FCR-C-2483 (Projection of dwls. above 362')

FCR-C-3061 (Cover & Placement Methods)

FCR-C-3059 (Vertical Const. Joints)

FCR-C-3067 (Preparation of Const. Joint)

RCI-C-765 (Bulkhead @ top)

Reinforcing

CAR-2167-G-0660(R4)
-0661(R4)

Embeds

CAR-2168-G-225(R3)

Penetrations

&
LINER PLATE

CAR-2168-G-253505(R3)
-228(R11)
-2167-G-0662(R5)

Dowels

Bar Bending

CAR-2167-B-9005-10

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
DOME REINFORCING STEELPLACEMENT NO./LOCATION 1 CBXW423001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0660(R4); -0661(R4)

INSPECTOR

Russell J. BredaloneDATE 9-20-82

FIELD ENGINEER

John J. BredaloneDATE 9/23/82

DESIGN QUANTITIES PER SHEET

Verticals Layer 1, I.F., O.F.	HORIZONTALS I.F., O.F.	Verticals Layer 2, O.F.	DIAGONALS ROWS 5, 6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
125/125	0	0	0	0	1250	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			Layer 1 I.F. Verticals 90° to 180°			
CJ-260 ✓ 16	16		1A	None	None	N/A
CJ-260 ✓ 15 R.B. 9-23-82	15		1B			
CJ-264 ✓ 62	62		2			
CJ-138 ✓ 31 R.B. 9-23-82	31		3			
CJ-135 ✓ 1	1		3			
			Layer 1 I.F. Verticals 270° to 360°			
CJ-260 ✓ 16	16		1A	None	None	N/A
CJ-260 ✓ 15 R.B. 9-23-82	15		1B			
CJ-264 ✓ 62	62		2			
CJ-138 ✓ 32	32		3			
			Add'l Verts @ Pen. R=66'0 1/2			
CJ-299 ✓ 0 R.B. 9-23-82	0		90° to 180°	In next placement	N/A	N/A
CJ-289 ✓ 625 R.B. 9-23-82	625		Shear Bars 90° to 180°	None	None	N/A
CJ-289 ✓ 625 R.B. 9-23-82	625		270° to 360°			

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
DOME REINFORCING STEEL

PLACEMENT NO./LOCATION 1CBXW425001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0660(R4); -0661(R4)

INSPECTOR

Russell J. Breckle

DATE 9-21-82

FIELD ENGINEER

Mike B. Bledsoe

DATE 9/23/82

DESIGN QUANTITIES PER SHEET

Verticals Layer 1, I.F., O.F.	HORIZONTALS I.F., O.F.	Verticals Layer 2, O.F.	DIAGONALS ROWS 5, 6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
125/125	0	0	0	0	0	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			Layer 1 O.F. Verticals 90° to 180°			
CJ-265 ✓ 16	16		1A	None	None	N/A
CJ-265 ✓ 15 R.B. 10.12	15		1B			
CJ-269 ✓ 62	62		2			
CJ-139 ✓ 32	32		3			
			Layer 1 O.F. Verticals 270° to 360° 9-21-82 R.B.			
CJ-265 ✓ 16 + 5 _{0.0}	16		1A	None	None	N/A
CJ-265 ✓ 15 + 16 _{1.1}	15		1B			
CJ-269 ✓ 63	63		2			
CJ-139 ✓ 31	31		3			
			Add'l Verts @ Pens. R=66'5 3/4"			
CJ-300 ✓ 20 R.B. 10.9-12	0		90° to 180°	In next placement	N/A	N/A

FIELD INSPECTION REPORT F.
CONTAINMENT EXTERIOR WALL
DOME REINFORCING STEELPLACEMENT NO./LOCATION 1CBXW425001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0001(R4); -0660(R4)

INSPECTOR

Russell J. Brecklowe

DATE

9-21-82

FIELD ENGINEER

W. J. Johnson

DATE

9/23/82

DESIGN QUANTITIES PER SHEET

Verticals Layer 1, I.F., O.F.	HORIZONTALS I.F., O.F.	Verticals Layer 2, O.F.	DIAGONALS ROWS 5,6	ADQ. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
0	10	63	0	0	0	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			1, F. Horizontals 90° to 180° & 270° to 360°			
CJ-65	✓ 1 (set)	1 (set)		None	None	N/A
CJ-66	✓ 1 (set)	1 (set)				
CJ-67	✓ 1 (set)	1 (set)				
CJ-68	✓ 1 (set)	1 (set)				
CJ-69	✓ 1 (set)	1 (set)				
CJ-70	✓ 1 (set)	1 (set)				
CJ-71	✓ 1 (set)	1 (set)				
CJ-72	✓ 1 (set)	1 (set)				
CJ-73	✓ 1 (set)	1 (set)	✓	✓	✓	✓
CJ-74	1 (set)	1 (set)	✓	✓	✓	✓
CJ-270	✓ 32	32	2nd Layer O.F. Verts. 90° to 180°	None	None	N/A
CJ-137	✓ 30	30	✓	✓	✓	✓
CJ-140	✓ 1	1	✓	✓	✓	✓

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
DOME REINFORCING STEELPLACEMENT NO./LOCATION 1 CBXW 425001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0660(R4), -0661(R4)

INSPECTOR

FIELD ENGINEER

Russell J. BreckloweDATE 9-21-82DATE 9/23/82

DESIGN QUANTITIES PER SHEET

Verticals Layer 1, I.F., O.F.	HORIZONTALS I.F., O.F.	Verticals Layer 2, O.F.	DIAGONALS ROWS 5, 6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
0	11	62	0	0	0	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			O.F. Verts. 213 9-21-82 Horizontals 90° to 180° & 270° to 360°			
CJ-198 ✓	1(set)	1(set)		None	None	N/A
CJ-199 ✓	1(set)	1(set)				
CJ-200 ✓	1(set)	1(set)				
CJ-201 ✓	1(set)	1(set)				
CJ-202 ✓	1(set)	1(set)				
CJ-203 ✓	1(set)	1(set)				
CJ-204 ✓	1(set)	1(set)				
CJ-205 ✓	1(set)	1(set)				
CJ-206 ✓	1(set)	1(set)				
CJ-207 ✓	1(set)	1(set)	✓	✓	✓	✓
CJ-208	1(set)	1(set)	✓	✓	✓	✓
CJ-270 ✓	31	31	2nd Layer O.F. Verts. 270° to 360°	None	None	N/A
CJ-140 ✓	31	31	✓	✓	✓	✓

CAROLINA POWER & LIGHT COMPANY

SHNPP

FIELD INSPECTION REPORT FOR EMBEDDED PLATES, PENETRATION, AND ANCHOR BOLTS

PLACEMENT NO. 1CBXW425001PAGE 8 OF 8DRAWING & REV. CAR-2168-G-223 (P5)

ITEM INSPECTED	LOCATION	DESCRIPTION TYPE - (10R LL, AB-4, PENETRATION) SIZE, DESIGN QTY., ETC.	DISCREPANCIES RELATED TO TYPE, SIZE, LOCATION, INSTALLATION, DESIGN QTY. VS ACTUAL QUANTITY, DIMENSIONS, ETC.	CORRECTIVE ACTION DR, PW, FCR, DCN ETC.	INSPECTOR
					INDIVIDUAL NOTIFIED
					DATE
EMBED PLATES					
PENE- TRATION					
ANCHOR BOLTS					
OTHER	4 Az. 6" to either side of 145°	(4) 3/4" Concrete Inserts - Richmond type EC-2W	None	None	<u>L. Breid</u>
					<u>N/A</u>
					<u>10-6-82</u>

Rev. 9
7/82

CAROLINA POWER & LIGHT COMPANY
SH: ON HARRIS NUCLEAR POWER PLANT
POST PLACEMENT CHECKLIST

Exhibit 2
TP-15

PLACEMENT NO. ICBxW425001

LOCATION Cont. #1 Ext. Wall

PLACED 10-6-82

SURFACE AREA 1000 ft² ±

END OF CURE 10-13-82

CURE COMPOUND (AMOUNT) 4 1/2 gal.

CURE/PROTECTION REQUIREMENTS Severe exposure / Extended Protection / 7 day moist cure

CHECKLIST	REMARKS	INITIALS
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FINISH

A. Steel Trowel	N/A	R/LB
B. Wood Float	✓ Sat.	R/LB
C. Broom	N/A	R/LB
D. Hair Brush	N/A	R/LB
E. Rubber Float	N/A	R/LB
F. Keyways Installed	Sat.	R/LB

FORMS

Form & Shoring Removal	N/A	R/LB
------------------------	-----	------

REPAIRS

Type of Repair Required	<input checked="" type="checkbox"/> Cosmetic <input type="checkbox"/> Structural <input type="checkbox"/> Forms Still In Place	R/LB
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EMBED PLATES W/ SCREW-IN-STUDS

Thread Engagement	N/A	R/LB
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SEISMIC GAP

Proper Gap Maintained	N/A	R/LB
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CURING/PROTECTION

	EXTENSIONS	REMARKS	
A. Water	^{R/LB 10-16-82} N/A	Sat - 7 days moist	R/LB
B. Curing Compound	N/A	Sat - Kurez verified	R/LB
C. Ponding	N/A	N/A	R/LB
D. Burlap	N/A	N/A	R/LB
E. Wet Sand	N/A	N/A	R/LB
F. Polyethylene	N/A	N/A	R/LB
G. Temperature	N/A	Sat - 7 days ≥ 50°F	R/LB

COMMENTS:

CONSTRUCTION INSPECTOR Russell F. Brudlow DATE 10-18-82

CONSTRUCTION INSPECTION SUPERVISOR D. L. Taylor Jr. DATE 10-18-82

MODE OF PLACEMENT Dump

LOCATION #1 Containment Bldg

WEATHER: (☒) CLEAR () OVERCAST () RAIN () OTHER _____
() HAZY () FOG () P. CLOUDY

[illegible]

SLUMP REQUIRED 0-7+1 in. DESIGN MIX # USED M-81

AIR REQUIRED 4-8 7. DESIGN STRENGTH 4000 PSE
FOR PLACEMENT

FIELD QA/QC INSPECTOR W. G. White DATE 10-6-82

LAB QA/QC INSPECTOR Keneth J. White DATE 11-3-82

QA/QC SPECIALIST Edward Kelley DATE 11-4-82