



A-20  
10/22/84  
50-400-04

Applicants' Exhibit 20  
Eddleman Contention 65  
Docket No. 50-400

Pour Package  
Placement 1CBXW444001

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 20  
In the matter of Sharon Harris  
Staff ✓ IDENTIFIED ✓  
Applicant ✓ RECEIVED ✓  
Intervenor ✓ REJECTED ✓  
Cont'g Offr ✓ DATE 10-22-84  
Contractor ✓ Witness ✓  
Other ✓  
Reporter fw

8412170337 841022  
PDR ADDCK 05000400  
G PDR

12/81

CONCRETE  
PLACEMENT  
REPORT

000572

CP&L  
SHNPPExhibit 1  
WP-05

FILE

PLACEMENT NUMBER

1CB1W444001

LOCATION (INCLUDE ELEV. IF IN BLDG.)

CONTAINMENT #1 EL 444

SCHEDULED DATE:

12/21/82

TYPE PLACEMENT

DOMIC

ESTIMATED QUANTITY

12 C.Y.

TEMP LIMIT

30°-90°

SLUMP LIMIT

7" ±

SEISMIC CLASS I

YES NO

☒ ☐

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES)

\* SEE PLAN C-3794

CURING

TRANSPORTING

PLACING

VIBRATION

FINISHING

FORMED SURF.

UNFORMED SURF.

BUGGY

☐

CHUTE

☒

INTERNAL

☒ STEEL TROWEL☐ FORMS ALONE

WATER

BUCKET

☒

TREMIE

☐

FORM

☒ WOOD FLOAT☐ TARPS☐ WET BURLAP

CONVEYOR

☐

DROP

☐☐ HAIR BRUSH☐ INSULATION☐ POLYETHYLENE

PUMP

☐☐☐ BROOM FINISH☐ FORMS & WATER☐ CURING COMPOUND

TRUCK

☐☐☐ RUBBER FLOAT☐ N/A☒ NUTEC 10ANTICIPATED WEATHER  
CONDITIONS: COLD

SERVICE COND.

SEVERE

PROTECTION

CUTWOOD

CURE (DAYS)

7

RUBBER FLOAT

EXP. NUTEC 10

NUTEC 10

GALLONS REQUIRED

COMMENT &amp; CLARIFICATION TO PROPOSED METHODS

POUR FROM RADIUS 6' TO 14' AT BOTTOM

444 PLATE (1' HIGH) SEE PLAN C-3794

FOR CONSTRUCTION METHODS

PRIMARY MASONRY DWG. NO.

CA-2676-06402-5

RATE OF RISE

1/4"

DES. STRENGTH

50KSI

DESIGN MIX CODE

M-19.7

NAME/TITLE, PERSON SUBMITTING ALL THE ABOVE

BY: DAVID BOYNTON

DATE: 12/21/82

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	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
2	FORMS	WP-22	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
3	REINFORCING STEEL	WP-11	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
4	EMBEDS		J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
5	MECHANICAL		J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
	EMBEDS		J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
	PIPE	WP-102	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
6	ELECTRICAL	WP-201	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
7	CADWELDS	WP-01	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
8	BOP WELDING		J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
9	CODE/SEISMIC WELDING		J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
10	CLEAN-UP	WP-05	J. C. Hyatt	12/20	R. Brecklow				12/21/82	R. Brecklow
11										
12										

CONSTRUCTOR SIGNOFF (AREA SUPT)

TIME: 8:50

C.I. SIGNOFF

TIME: 10:20

DESIGN APPROVAL

DATE: 12-21-82

Russell V. Brecklow

DATE: 12-21-82

DESIGN APPROVAL

DATE: 12/24/82

TIME OF START

11:30 AM

DATE PLACED

12-21-82

YDS. CONCRETE

DELIVERED

1116

YDS PLACED IN

THIS PLACEMENT

14.0

YARDS WASTED

CONCRETE

2.5

YARDS GROUT

DELIVERED

12

CONCRETE

13.5

YARDS PLACED

CONCRETE

0

GROUT

0.5

ELSEWHERE

GROUT

0

ACCEPTANCE OF PLACEMENT METHODS &amp; COMPLETENESS OF ABOVE INFORMATION

NAME: Russell V. Brecklow

TITLE: C.I.

DATE: 12-21-82

REMARKS (ATTACH RELEVANT REPORTS)

\* 435 17-02 GROUT MIX PER PLAN C-3794

\* Recheck prior to placement - Sat AM 12-21-82

FOR INFORMATION ONLY

CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

PLACEMENT CHECKLIST

PLACEMENT NO. 1 CBXW444001

LOCATION Cont. #1 Ext. Wall

Az. 0° to 360°, el. 443' to 444'

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat.	RLB
Rate of Placement	Sat.	RLB
Hot Weather Conditions	N/A	RLB
Cold Weather Conditions	Sat.	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	N/A	RLB
COMMENTS <u>A smooth &amp; satisfactory placement (if somewhat over-</u>		
<u>supervised), Form vibrators and head box arrangements</u>		
<u>worked well and produced good results.</u>		
<u>A D.R. will be written for 5 1/2 cy placed</u>		
<u>with a low air 70.</u>		

CONSTRUCTION INSPECTOR

Russell T. Bruckner DATE 12-21-82

CONSTRUCTION INSPECTION SUPERVISOR

Thomas Smith DATE 12/28/82

Rev. 5  
8/82

AROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1  
TP-22  
Sheet 3 of 5

FIELD INSPECTION REPORT FOR REINFORCING STEEL -  
REQUIRED DRAWINGS

Placement Number 1CBXW444001

Coordinates A2. 0° to 360°

Elevation 443' to 444'

Computer Printout Reviewed RLB 12-20-82  
Daily Document Log Checked RLB 12-20-82  
Document Control Contacted RLB 12-20-82

C.I. Review

Russell J. Brudlow

Area Engineer Review

[Signature]

Drawings Required/Revision:

Affecting Documents

Masonry

CAR-2167-G-0630(R8)

-0640(R5)

FCR-C-3218/Extends (Unreinforced Area)

FCR-C-3743/Add'l Const. Joint)

FCR-C-3350 (Hole plate placing sequence)

(Codeword: Whisker hairs)

Reinforcing

CAR-2167-G-0660(R4)

-0661(R4)

-0662(R5)

FCR-C-3794 (Hole plate placing sequence)

Embeds

Penetrations

CAR-2167-G-0662(R5)

LINK PLATE

-2168-G-253505(R3)

-228(R11)

Dowels

Bar Bending

CAR-2167-B-9089-10



FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
DOME REINFORCING STEEL

PLACEMENT NO./LOCATION 1CBXW444001

DRAWING NUMBER

DRAWING NUMBER  
BAR BENDING SCHEDULE NO. CAR-2167-G-D660(R4); -D661(R4); -D662(R5)

INSPECTOR

FIELD ENGINEER

DATE 12-20-82

DATE 12/20/82

DESIGN QUANTITIES PER SHEET

[illegible]

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

RLB 12-20-82

PLACEMENT NO. 1 CBXW 444001

PAGE 5 OF 65

DRILLING & REV. CAR-2167-G-0662(23)

ITEM INSPECTED	LOCATION	DESCRIPTION TYPE - (10R 11, 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	Q 12* Q Dome Axis Q E1. = Q Dome Axis	(1) Det. "3" Pipe sleeve (Rectal) 24" $\phi$	(1) Nelson Studs Cut to allow bottom plate to be set	To be welded back prior to next placement (1CBXW444002) Welded back as of 12-20-82	R. Brudlow D. Bryan 12-20-82
ANCHOR BOLTS					
OTHER	R = 65' 6 7/16 Sym. about Dome Axis	(1) Hub Plate Assembly Rad = 8' 11 5/8 3/8" Curved plate	1) Add'l inspection holes drilled 2) 12 Nelson Studs Bent > 15° 3) 2 Nelson Studs Bent > 15° 4) 15 Nelson Studs Bent > 7° < 15° 5) Threaded Studs added 6) Form vibrator supports welded	1) FCR-C-3794 2) Cut off & rewelded 3) Cut off & rewelded 4) Bent back to < 7° 5) FCR-C-3794 TWS 12/29/82 6) FCR-C-3794	R. Brudlow D. Bryan 12-20-82

Rev. 9  
7/82

CAROLINA POWER & LIGHT COMPANY  
SARON HARRIS NUCLEAR POWER PLANT  
POST PLACEMENT CHECKLIST

Exhibit 2  
TP-15

PLACEMENT NO. 1 CBXW 444001

LOCATION Cont. #1 Ext. Well

PLACED 12-21-82

SURFACE AREA N/A

END OF CURE 12-28-82

CURE COMPOUND (AMOUNT) N/A

CURE/PROTECTION REQUIREMENTS Severe exp. / Extended Protection / 7 days moist cure

CHECKLIST	REMARKS	INITIALS
<u>FINISH</u>		
A. Steel Trowel	N/A	RUB
B. Wood Float	N/A	RUB
C. Broom	N/A	RUB
D. Hair Brush	N/A	RUB
E. Rubber Float	N/A	RUB
F. Keyways Installed	N/A	RUB
<u>FORMS</u>		
Form & Shoring Removal	N/A	RUB
<u>REPAIRS</u>		
Type of Repair Required	<input checked="" type="checkbox"/> Cosmetic <input type="checkbox"/> Structural <input type="checkbox"/> Forms Still In Place <u>1-5-83</u>	RUB
<u>EMBED PLATES W/ SCREW-IN-STUDS</u>		
Thread Engagement	N/A	RUB
<u>SEISMIC GAP</u>		
Proper Gap Maintained	N/A	RUB
<u>CURING/PROTECTION</u>		
	EXTENSIONS	REMARKS
A. Water	N/A	Sat - 7 days moist
B. Curing Compound	N/A	N/A
C. Ponding	N/A	N/A
D. Burlap	N/A	N/A
E. Wet Sand	N/A	N/A
F. Polyethylene	N/A	N/A
G. Temperature	N/A	Sat - 7 days $\geq 50^{\circ}\text{F}$

COMMENTS:

CONSTRUCTION INSPECTOR

Russell J. Brudlow

DATE 1-5-83

CONSTRUCTION INSPECTION SUPERVISOR

Herbert L. Taylor

DATE 1-10-83

QA-24  
2/81  
Rev. 0

CAROLINA POWER & LIGHT COMPANY  
CORPORATE QUALITY ASSURANCE DEPARTMENT  
CONCRETE TEST REPORT  
(Procedure CQC-13)

Page 1 of 1

PLACEMENT NO. 1C-BXW444001 DATE 12-21-82 MODE OF PLACEMENT TRUCK DISCHARGE

LOCATION Containment Bldg.

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

TICKET NO.	TIME SAMPLED	ACCU YARDS PLACED	SLUMP (IN)	TEMP. (°F)	THERM. NO.	AIR (%)	AIR METER NO.	UNIT WT. BUCKET	SCALE NO.	TEST CYLINDERS				SET NO.	LAB #	REMARKS
										RESULTS						
										DAY 7	DAY 28	DAY 28	DAY			
93165	11:55AM	8	6 1/4*	68	CPAL 51173	6.4	CPAL 4854	139.7	CPAL 4854	50593	4000	6370	6580	1	9965	Preliminary slump of 6"
93168	12:30PM	8 1/6	7*	67	CPAL 51173	4.5	CPAL 4854	139.6	CPAL 4854	50593	3960	5660	5840	2	9966	Preliminary slump of 8 1/4"
	12:31PM	1 hr 12-21-82														D.R.C-1751 ISSUED
	1 AM															
	2 AM															
	3 AM															
	4 AM															
	5 AM															
	6 AM															
	7 AM															
	8 AM															
	9 AM															
	10 AM															
	11 AM															
	12 PM															
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	5 PM															
	6 PM															
	7 PM															
	8 PM															
	9 PM															
	10 PM															
	11 PM															
	12 AM															

SLUMP REQUIRED 0-7 max in.

DESIGN MIX # USED M-97

AIR REQUIRED 5-9 %

DESIGN STRENGTH 5000 PSI  
FOR PLACEMENT

FIELD QA/QC INSPECTOR Terry Wayne Rogers DATE 12-21-82

LAB QA/QC INSPECTOR Wendy J. Wotz DATE 1-18-83

QA/QC SPECIALIST Eugene Kelly DATE 1-18-83

# per FCR-C-3794