

A-11
50-400-OL
10/22/84



Applicants' Exhibit 11
Eddleman Contention 65
Docket No. 50-400

Four Package
Placement 1CBXW242001

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400-OL Official Exh. No. 11

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

8412170279 841022
PDR ADOCK 05000400
G PDR

CONCRETE SHNPP

CONCRETE PLACEMENT REPORT

FILE

PLACEMENT NUMBER

10824242001

LOCATION (INCLUDE ELEV. IF IN BLDG.)

Cont #1 EL 242 H/L 15' L/R 15'

SCHEDULED DATE:

9-24-80

TYPE PLACEMENT

Exterior Wall

ESTIMATED QUANTITY

59 yds

TEMP LIMIT

50°-90°

SLUMP LIMIT

4" max

SEISMIC CLASS I

YES NO

X

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES)

TRANSPORTING

BUGGY

☐

BUCKET

☐

CONVEYOR

☐

PUMP

☒

TRUCK

☒

PLACING

CHUTE

☐

TREMIE

☒

DROP

☐

VIBRATION

INTERNAL

☐

FORM

☒

FINISHING

HAND SCREED

☒

BULL FLOAT

☐

TROWEL MACH.

☐

BROOM

☐

Exposed Agg

☒

FORMED SURF

FORMS ALONE

☐

TARPS

☐

INSULATION

☐

FORMS & WATER

☐

CURING

WATER

☒

WET BURLAP

☐

VAPOR BARRIER

☐

MEMBRANE

☐

NUCLEAR

☐

NON-NUCLEAR

☐

ANTICIPATED SPECIAL WEATHER PRECAUTIONS

Normal Hot RIB 9-24-80

COMMENT & CLARIFICATION TO PROPOSED METHODS

Rate of rise 2ft/hr - Extended Cure

PRIMARY MASONRY DWG. NO.

267-G-0630

SPEC. FINISH

Exposed Agg

DES. STRENGTH

5000 psi

DESIGN MIX CODE

M197

NAME/TITLE, PERSON SUBMITTING ALL THE ABOVE

BY Ken Fisher TITLE: Area Eng DATE: 9-24-80

PRE-PLACEMENT
CHECKOUT

CONSTRUCTOR

CONST. INSPECTION

QUALITY ASSURANCE

	REF. PROC.	CRAFT SUPT	FIELD ENG	DATE	INSPECTOR	H	G.C. SIGNOFF	DATE	G.A. SIGNOFF
1 CONTACT SURFACES	WP-5	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
2 FORMS	WP-22	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
3 REINFORCING STEEL	WP-11	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
4 EMBEDS	WP-18	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
5 MECHANICAL		J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
EMBEDS		J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
PIPE		J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
6 ELECTRICAL		J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
7 CADWELDS	WP-1	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
8 BOP WELDING	N/A	J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
9 CODE/SEISMIC WELDING		J. Smith	TR Boring	9-23	U. Sealey	NA		9/24/80	J. Brown
10 CLEAN-UP	WP-5	J. Smith	TR Boring	9-24	U. Sealey	NA		9/24/80	J. Brown
11		J. Smith	TR Boring	9-24	U. Sealey	NA		9/24/80	J. Brown

CONSTRUCTOR SIGNOFF (AREA SUPT)

TIME: 5:30 PM

C.I. SIGNOFF

TIME: 9:30 AM

DATE: 9-23-80

U. Sealey

DATE: 9-24-80

DESIGN APPROVAL

TIME OF START

DATE PLACED

DATE: 9-23-80

11:15 AM

9-24-80

YDS. CONCRETE
DELIVERED

136

YDS. NOT PLACED IN
THIS PLACEMENT

13

YARDS WASTED

12

YARDS GROUT

13

YDS. PLACED IN
THIS PLACEMENT

13

YARDS PLACED ELSEWHERE

6

ACCEPTANCE OF PLACEMENT METHODS & COMPLETENESS OF ABOVE INFORMATION

NAME: Daniel J. Buechler

TITLE: C.I.

DATE: 9-24-80

REMARKS (ATTACH RELEVANT REPORTS)

1 Access hole left until placement was complete; closed & put workers out of wall

RB 9-24-80

LCB 10824242001

000563

PRECHECKOUT DATA BY PLACING ORGANIZATION

PRE-PLACEMENT CHECKOUT

POST PLACEMENT

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL-
REQUIRED DRAWINGS

Placement Number 106.XU-242001

Coordinates 120° to 180°

Elevation 236 to 242

C.I. Review the D. Sealey F/E Review Walt B. Adams Area Engineer Review Kim Fuller 9-18-80

Drawings Required/Revision: Revised by Bill Sealey

9/18/80

Affecting Documents

Masonry CH-2167-G-0630 R6

FCR-C-1197 R1 , PW-C-1433

" -0631 R6

PW-C-984-R1 , PW-C-1783

REINFORCING CH-2167-G-0618 R6

PW-C-682 , DCU-550-302

" -0632 R3

Bulletin Board , FCR-C-1293 R1

Reinforcing CH-2167-G-0634 R3

EC-79-5 R2 , PW-C-814

" -0636 R4

" -6 R3

" -0641 R4

" -9 R2

" -0651 R3

" -11 R1

" -0762 R4

" -14 R4

" -0765 R5

" -15 R4

" -0768 R2

" -16 R4

" -0769 R1

" -19 R2

" -19A R3

Embeds CH-2167-G-0631 R6

Penetrations CH-2167-G-0631 R6

" -0631 R6

Dowels CH-2167-G-0618 R6

Bar Bending CH-2167-G-0618 5,6,7,8,9

FOR FIELD USE ONLY

PLACEMENT NO./LOCATION K15V11-242

DRAWING NO. See Cont. Sheet

INSPECTOR Mike Sealey, Russell Macelline

DATE 9-18-80

FIELD INSPECTION REPORT FOR REINFORCING STEEL -

CONTAINMENT EXTERIOR WALL
PENETRATION STEEL INSPECTION

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Exhibit 8
TP-22

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
VERTICALS ROW 1, 2, 7, 8 12" LONG VERTICALS 120" to 104" CBI SEE CONT. SHEET	70	70	None Note: All HORIZ. bars stop at 23' elevation	None	
HORIZONTALS ROW 3, 4, 9, 10 300" LONG HORIZ. 120" to 104" CBI (CD TO CBI) SEE CONT. SHEET	2	2	* SEE NOTE, CD PAGE HORIZONTALS IN POUR, DUE TO SPACING CHANGE None	None	FOR INFORMATION ONLY
ADD. PER DWG. HOR./VERT. 120" LONG HORIZ. 120" to 104" #18 HORIZ.	2	2	None	None	
DIAGONALS ROW 5, 6 KILL 12" DIAGONALS BETWEEN HORIZ. BARS NO. 117 SEE CONT. SHEET	1	1	None	None	FOR INFORMATION ONLY
ADD. PENETRATION STEEL HOR./VERT./DIAG. Additional Horizontal bars for penetrations	1	1	As per DCU-550-302		
ADD. PENETRATION STEEL HOR./VERT./DIAG. Additional Bars added for 18" gaps Horiz + Vert	✓	✓			
FACE BARS KILL 12" HORIZ. BARS (1-42, 1-44, 1-46)	3	3	None	None	
RADIAL BARS INNER/OUTER INNER LAYER RADIALS 120" LONG BETWEEN HORIZ. BARS SEE CONT. SHEET	4	4	None	None	
RING BARS SEE CONT. SHEET					
SHEAR BOLT ASSEMBLIES 1 1/2" Ø shear bolt assemblies	27	30	3 EXTRA SHEAR BOLTS IN THIS POUR		
OTHER KILL 12" HORIZ. BARS CC 704-	449	449	None	None	

DATE 1-18-80

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
1 st ROW CONT.					
CB 4	27	29			
CB 5	27 ⁴⁰ 28	28			
Half length bars					
1	1	1			
2	1	1			
3	1	1			
4	1	1			
5	1	1			
7	1	1			
10	1	1			
12	1	1			
13	1	1			
31	1	1			
32	11	11			
34	1	1			
37	2	2			
33	1	1			
Total 1 st ROW BARS	151 ¹⁵² 152	152			
2 nd ROW VERTICALS					
CB 13	60	64			
CB 12	4	4			
Total 2 nd ROW VERTICALS	64	68			

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FIELD INSPECTION REPORT FOR
REINFORCING STEEL CONTINUATION SHEET

Sh. 5 of 13
Exhibit 9
TP-22

PLACEMENT NO./LOCATION ICEX10242

DRAWING NO. CH 21616 C-411 FD C-10-05 0161 RI FALL 11-11 RI

SPECTOR Wesley S. Sweeney, Kenneth B. Bruckner

DATE 9-18-80

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
TRV REIN VERTICALS			None	None	FOR INFORMATION ONLY
CL 5	7	7			
*18's added per C769	18	18			
Total TRV REIN VERTICALS	25	25			
DRV REIN VERTICALS			None	None	
CC 740	28	28			
CC 739	7	as 76 7-17-80 no 21			
CC 738	2	21			
CC 700	51	51			
Rebar Bands					
1	1	1			
2	1	1			
3	1	1			
4	1	1			
6	1	1			
10	1	1			
12	1	1			
23	1	1			
26	2	2			
33	2	2			
34	1	1			
35	1	1			
36	1	1			
Total DRV REIN VERTICALS	111	109	2 bars missing as per PW-C-1433	There is a part 2 written 5-1-80	2-1-80

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FIELD INSPECTION REPORT FOR REINFORCING STEEL CONTINUATION SHEET

Sh. 6 of 13
Exhibit 9
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PLACEMENT NO./LOCATION 10.15 X 24 2.00 1

DRAWING NO. 1161-G-C-2 R3 0107 P. 1161-G-C-2 R3 0107 P. 1161-G-C-2 R3 0107 P.

SPECTOR 1162 G-2, 1161 G-2, 1161 G-2 DATE 9-8-80

SPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
3rd Row REINFORCING					
CC 1 (CD to B.50)	1	1	None	None	
CC 1 (CD to B.52 + B.1 + B.4)	1	1			
CC 1 (CD to B.52 + B.2 + B.4)	1	1			
CC 1 (CD to B.52 + B.3 + B.4)	1	1			
Total 3rd Row BARS	6	6			
4th Row					
CC 2 (CD to CC 2)	2	2	None	None	
CC 2 (CD to B.50)	1	1			
CC 2 (CD to B.52 + B.1 + B.51)	1	1			
CC 2 (CD to B.52 + B.2 + B.4)	1	1			
CC 2 (CD to B.52 + B.3 + B.4)	1	1			
Total 4th Row BARS	6	6			

100% INSPECTION

INSPECTOR Wm. F. O'Leary Connel & Friedman DATE 9-18-50

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
7th Row 120° to 180°					
c/c 400 (90 to 180)	2	2			
c/c 400 (90 to 135)	1	1			
c/c 400 (90 to 135)	1	1			
c/c 400 (90 to 135) B.1 + B.51	1	1			
c/c 400 (90 to 135) B.2 + B.62	1	1	spacing need to adjustment 160 to 180°	corrected spacing UDSS 9-16-80	D. Griffin 9-19-
c/c 400 (90 to 135) B.3 + B.4	1	1			
9th Row TOTAL P.N.B's	6	6			
10th Row 120° to 180°					
c/c 401 (90 to 180)	2	2			
c/c 401 (90 to 135)	1	1			
c/c 401 (90 to 135) B.1 + B.51	1	1	None	None	
c/c 401 (90 to 135) B.2 + B.62	1	1			
c/c 401 (90 to 135) B.3 + B.4	1	1			
10th Row TOTAL P.N.B's	6	6			

Note: At 170°, there are 7 horizontals in each row, due to a spacing change underneath the penetrations S99 S43 and S58.

SPECTOR Mr. Spector, James J. Sordani DATE 1-18-80

SPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
5th Pass DIA 10.000 W 10.000					
119 (CD NO 132)	1	1			
120 (CD NO 133)	1	1			
126	1	1			
127	1	1			
128	1	1			
129	1	1			
130 (CD NO 140)	1	1			
143	1	1			
144	1	1			
225	4	4			
226	4	4			
227	2	2			
228	2	2			
230	1	1			
233	1	1			
234	1	1			
235	1	1			
236	1	1			
237	1	1			
238	1	1			
239	1	1			
29	11	11			
TOTAL 5th ROW PASS	41	41			
6th Pass DIA 10.000 W 10.000					
104	1	1			
107	1	1			
111	1	1			
115	1	1			
IS A DIE CAST, WILL DISCONTINUE AT ELEVATION 240'					

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FIELD INSPECTION REPORT FOR
REINFORCING STEEL CONTINUATION SHEET

Sh. 9 of 13

Exhibit 9
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PLACEMENT NO./LOCATION 101VU-3460x-2

DRAWING NO. 101VU-3460x-2

SPECTOR Mr. [Signature] [Signature]

DATE 7-15-80

SPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
118	1	1	None	None	[Signature]
121	1	1			
123	1	1			
124	1	1			
120	1	1			
215	4	4			
216	7	7			
217	8	8			
218	4	1			
219	1	1			
220	1	1			
221	1	1			
223	1	1			
225	1	1			
228	1	1			
229	1	1			
230	1	1			
231	1	1			
TOTAL 64 REIN. BARS	41	41			

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FILLD INSPECTION REPORT FOR
REINFORCING STEEL CONTINUATION SHEET

Exhibit 9
TP-22

PLACEMENT NO./LOCATION 13-KU-40001

RAWING NO. 11P 2167-G 0762 B, 16-1, 1-141, 11, 111 14 14 2-1 15 14

SPECTOR U.S. Southern Council - A. Sullivan DATE 9-18-50

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
1st layer embedment 22 23 24 25 26 27 35 37 38	2 2 2 2 2 2 3 2 1	2 2 2 2 2 2 3 2 2	None	None	
Total 1st layer embedment	23	23	Approximately 23 or 45 bars will be embedded in this placement.		
Upper layer 1st embedment PETHLEHEN bars	23 ⁴⁵ 22	22	Approximately 23 ^{22 or 45} bars will be embedded in this placement.		
2nd layer Inner layer embedment 20 21 23 24 25 26 27 28	4 2 2 2 2 2 1 1	4 2 2 2 2 2 1 1	None	None	
Total 2nd layer embedment	16	16	Approximately 16 or 32 bars will be embedded in this placement.		
Outer layer 2nd embedment PETHLEHEN bars	15 ^{ms} 14-9-16	15	Approximately 15 or 32 bars will be embedded in this placement.		

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FIELD INSPECTION REPORT
REINFORCING STEEL CONTINUATION SHEET

Sh. 110 of 13
Exhibit 9
TP-22

PLACEMENT NO./LOCATION 108 X 10 242001

DRAWING NO. 10.1 162 14 10.1 16 17

SPECTOR Mr. Sealey, David J. Friedman

DATE 9-8-80

SPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
10 22 23 24 25 26 27	4 2 2 2 2 2 2	4 2 2 2 2 2 2	None	None	
TOTAL 30" LAYER REINFORCING	16	16	Approximately 16 or 32 bars were substituted in this placement.		
30" Layer OUTER REINFORCING REINFORCING BARS	16	17	Approximately 17 or 24 bars were substituted in this placement.		

FOR INFORMATION ONLY

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FIELD INSPECTION REPORT FOR REINFORCING STEEL CONTINUATION SHEET

Sh. 12 of 13
Exhibit 9
TP-22

PLACEMENT NO./LOCATION 17840.24.001

DRAWING NO. SA 2161 G 0112 01

INSPECTOR W. C. Gentry, Russell F. Bessellone DATE 9-12-80

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED DATE
1st Layer 1 R-61.5	14	14	None		
LAYER V R-68.0	14	14			
Additional LAYER 1 R-68.6	2	2			
Additional LAYER 2 R-67	2	2			
LAYER W R-67.7	12	12	Spacing needs adjustment	See PW-C-1783	K Fuller 9-11-80
LAYER Z R-70.9	10	10			
Total Ring Bars	54	54	Note: These ring bars encircle the penetration tank. In this pour only the bottom sections of each ring bar will be embedded.		

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

TP-05
Exhibit:

FIELD INSPECTION REPORT FOR EMBEDDED PLATES, PENETRATIONS & ANCHOR BOLTS

Placement No. 1CBXW242001

Sheet 15 of 13

Location Cont. #1 Ex. Wall, A2. 120" to 180", El 236' to 242' (S-S Penetration Area)

Drawings CAR-2167-G-C431 (R-6)

NO.	INSPECTED ITEM & TYPE	DIMENSIONAL VIOLATIONS (LIST BOLT SIZES)	STUD DISCREPANCIES OR ALTERATIONS	QUALITY	CONSTRUCTION INSPECTOR
1	1 W/4 Embed Plate 1 1/4" x 13" x 7'1" Nelson Studs - 3/4" x 7" El. 240' 1/4" A2. 161° 34'	None	None	Good	R. Breedlove Individual Notified: Date 9-18-80
2	1 W/4 Embed Plate 1 1/4" x 13" x 7'1" Nelson Studs - 3/4" x 7" El. 240' 1/4" A2. 164° 26'	None	None	Good	R. Breedlove Individual Notified: Date 9-18-80
3	(S-58) 1 Type III 48" Ø Penetration El. 243' 00" A2. 162° 30' (Partial Embedment to 242' 00')	None	None	Sat	M. Sealby Individual Notified: Date 9-17-80
4	(S-99) RLB 9-16-80 1 Type II 18" Ø Penetration El. 243' 00" A2. 170° 45' (Partial Embedment to 242' 00') Not in this placement				Individual Notified: Date
5					Individual Notified: Date

R 4
2/80

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

TP-15
Exhibit 3

POST PLACEMENT CHECKLIST

PLACEMENT NO. 1CBKLB242001

LOCATION Cont. Ext. Wall, A2 120' to

Placed 9-24-80

180' el. 236' to 242'

Extended Cure - Hot Weather

CHECKLIST	REMARKS	INITIALS
Form Removal ✓	Sat.	RLB
Shoring Removal	N/A	RLB
<u>CURING</u>		
A. Water ✓	Sat	RLB
B. Curing Compound ✓	RLB 10-2-80 N/A Sat (Kurex applied only to some portions - remainder moist-cured)	RLB
C. Ponding	N/A	RLB
D. Burlap	N/A	RLB
E. Wet Sand	N/A	RLB
F. Polyethylene	N/A	RLB
G. Temperature	N/A	RLB
<u>FINISH</u>		
A. Steel Trowel	N/A	RLB
B. Wood Float	N/A	RLB
C. Broom	N/A	RLB
D. Hair Brush	N/A	RLB
E. Rubber Float	N/A	RLB
F. Exposed Aggregate	Sat	RLB

FOR INFORMATION ONLY

CONSTRUCTION INSPECTOR

Russell J. Breedlove

DATE 10-3-80

CONSTRUCTION INSPECTION SUPERVISOR

Charles A. French

DATE 10-7-80

CONCRETE DEFECTS

PLACEMENT NO. 1 CBXW242001 DATE PLACED 9-24-80

REPORTED BY Russell J. Buedlow DATE REPORTED 10-29-80

REMARKS ER. Metal forms raised on 9-29-80. Falsework on the S-58 blister area
remained until wrecked on 10-28-80. The concrete surface in this area will require
chipping to allow steel stress rods (vibrator probes) to be cut below the neat line. Cosmetic
repairs will then produce a satisfactory surface.
SKETCH OR LOCATION

Russell J. Buedlow 10/31/80
CONSTRUCTION SUPERVISOR SIGNATURE