



Applicants' Exhibit 22
Eddleman Contention 65
Docket No. 50-400

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

Four Package
Placement 1CBSL216002

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 22

In the matter of Sharon Harris

Staff _____ IDENTIFIED ☒

Applicant ☒ RECEIVED ☒

Intervenor _____ REJECTED _____

Cont'g Off'r _____

Contractor _____ DATE 10-22-84

Witness _____

Reporter fw.

8412170345 8A1022
PDR ADOCK 05000400
G PDR



SHNPP

CONCRETE
PLACEMENT
REPORT

FILE

PLACEMENT NUMBER

10852216002

LOCATION (INCLUDE ELEV. FROM BLS)

U. 1st CR. Bldg. Mt. - East Side

SCHEDULED DATE

TYPE PLACEMENT

Struct. Mt.

ESTIMATED QUANTITY

479 yds

TIME OF START

8:15 AM

DATE PLACED

8-17-78

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES)

TRANSPORTING	PLACING	VIBRATION	FINISHING	FORMED SURF	UNFORMED SURF
BUGGY <input type="checkbox"/>	CHUTE <input type="checkbox"/>	INTERNAL <input type="checkbox"/>	HAND SREED <input checked="" type="checkbox"/>	FORMS ALONE <input type="checkbox"/>	WATER <input checked="" type="checkbox"/>
BUCKET <input type="checkbox"/>	TREMIE <input checked="" type="checkbox"/>	FORM <input checked="" type="checkbox"/>	BULL FLOAT <input type="checkbox"/>	TARPS <input type="checkbox"/>	WET BURLAP <input type="checkbox"/>
CONVEYOR <input type="checkbox"/>	DROP <input checked="" type="checkbox"/>	<input type="checkbox"/>	TROWEL MACH. <input type="checkbox"/>	INSULATION <input type="checkbox"/>	VAPOR BARRIER <input checked="" type="checkbox"/>
PUMP <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BROOM <input type="checkbox"/>	FORMS & WATER <input type="checkbox"/>	MEMBRANE <input type="checkbox"/>
TRUCK <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* Rubber Float <input checked="" type="checkbox"/>	<input type="checkbox"/>	NUCLEAR ** <input checked="" type="checkbox"/>
* Outside exterior wall * Exposed Aggregate on remainder					

ANTICIPATED SPECIAL WEATHER PRECAUTIONS

Hot weather

COMMENT & CLARIFICATION TO PROPOSED

** Outside exterior wall only
(See action plan for this placement)

*** Outside edge of slab only

PRIMARY MASONRY DWG. NO.

2167-G-0610 RL

SPEC. FINISH

DES. STRENGTH

4000 psi

DESIGN MIX CODE

M56

NAME/TITLE, PERSON SUBMITTING

BY: Ken Fuller TITLE: Area Tech DATE: 7-20-78

PRE-PLACEMENT CHECKOUT	CONSTRUCTOR			QUALITY CONTROL		QUALITY ASSURANCE		
	REF. PROC.	CRAFT SUPT.	FIELD ENG.	DATE	INSPECTOR	H	REF. PROC.	DATE
1 CONTACT SURFACES	WP-5	JAL	J.E.E.	8/16	TGG			
2 FORMS	WP-22	JAL	J.E.E.	8/16	TGG			
3 REINFORCING STEEL	WP-11	F.C.	J.E.E.	8/16	TGG			
4 EMBEDS	WP-18	JAL	J.E.E.	8/16	TGG			
5 MECHANICAL	NA	JAL	NA	8-16	NA CSH	✓	NA	8/17 R. B. Keller
6 ELECTRICAL	NA	JAL	NA	8-16	NA CSH			
7 CADWELDS	WP-1	JAL	NA	8-16	L.F.A.	✓	CH-15	8/17 P. B. Brame
8 N D E	WP-5	NA	NA	8/16	TGG			
9 CLEANUP	WP-9	JAL	J.E.E.	8/16	TGG			
10 WATERSTOP	WP-12	JAL	J.E.E.	8/16	TGG			
11								
12								
13								
14								

CONSTRUCTOR SIGNOFF (AREA SUPT.)

DATE: 8/17/78

QC SIGNOFF

DATE: 8/17/78

Q.A. SIGNOFF

DATE: 8/17/78

DESIGN APPROVAL

Charles Keller

TIME OF START

0600

DATE PLACED

08-17-78

YDS CONCRETE

DELIVERED

479.2

YDS NOT PLACED IN

THIS PLACEMENT

3.3

YARDS WASTED

0.0

YARDS GROUT

0.8

YDS PLACED IN

THIS PLACEMENT

479.2

YARDS PLACED ELSEWHERE

0.0

ACCEPTANCE OF PLACEMENT METHODS & COMPLETENESS OF ABOVE INFORMATION

NAME

Charles Keller

TITLE

Construction Inspector

DATE

8/17/78

REMARKS (ATTACH RELEVANT REPORTS)

#6 bars in Shear Key to be installed immediately prior to placement
*** Cleanup to prevent pour (As Team progresses)

000561

PRECHECKOUT DATA BY PLACING ORGANIZATION

PRE-PLACEMENT CHECKOUT

POST PLACEMENT

1-CP-10852216002

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

PLACEMENT CHECKLIST

PLACEMENT NO. 1000-14002

LOCATION Unit 1 - Reactor
El. 211

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat	CH
Rate of Placement	Sat	CH
Hot Weather Conditions	Sat	CH
Cold Weather Conditions	N/A	CH
Layer Thickness	4" Sat	CH
Use of Placing Equipment	Sat	CH
Consolidation	Sat	CH
Embedded Items	Sat	CH
Forms	Sat	CH

INSPECTOR W. J. L. DATE 5/10/70

PRINCIPAL SITE CIVIL ENGINEER W. J. L. DATE 5/10/70

5/11

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

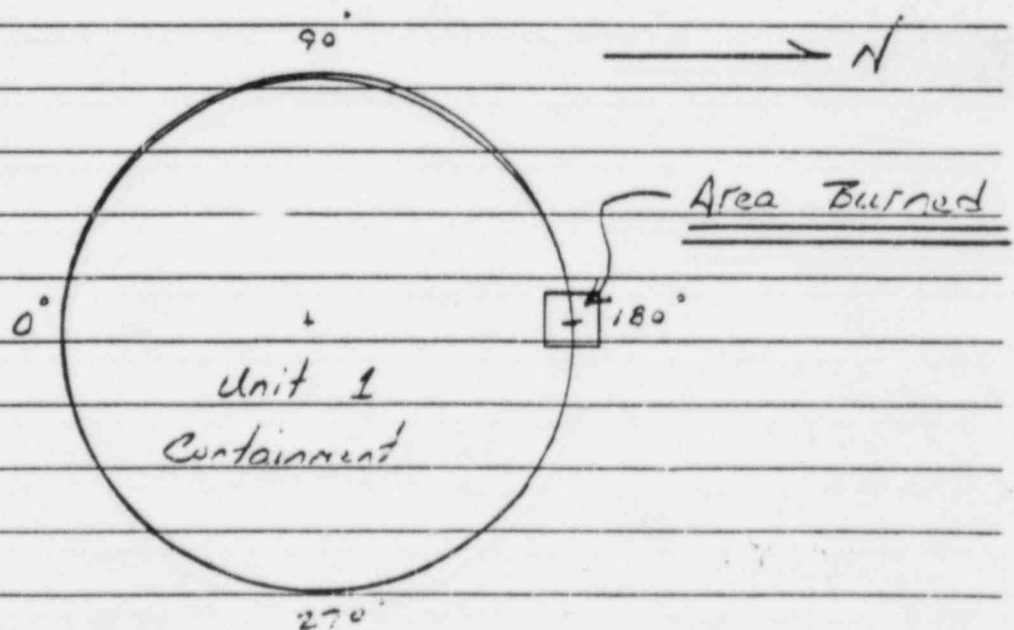
FIELD INSPECTION REPORT

Date 7/26/78 Spec. No. WP-02
Location Unit No 1 Inspector Randy C. Godwin
Elevation Containment Bldg. Shift Day
Placement No. 1CBSL216002 Weather Sunny, Mild

COMMENT

Accidental Burning of Waterproof Membrane

During a daily inspection of the waterproof membrane and waterstop on the Fuel Handling Building wall, the above inspector noticed an area of waterproof membrane burned by coldweld operations. The Area Superintendent and General Foreman were notified of this problem and in turn we were informed that it would be corrected.



cc: Jim Nevill
Charles Hall
Ken Fuller
Jim Lathan

INSPECTOR

Randy D. Godwin

Q & A REVIEW

Eugene Kelly 9/21/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR WATERSTOP AND WATERPROOFING

Placement No. 1CB5L216002

Sheet 1 of 2

Location Unit No. 1 Containment Building

NO.	INSPECTION LOCATION	SPLICING VIOLATIONS OR HOLIDAYS	INSTALLATION VIOLATIONS	QUALITY	QC INSPECTOR
1	Vinaliner Inspection using Holiday Detector From 115° to 180° Fuel Handling Wall Between Reglets and End of Membrane to waterstop.	Several Holidays Detected and patched in accordance with WP-02	None	Satisfactory	Randy G. Godwin Individual Notified: Stanley Carter Date 6/8/78
2	Repair of Waterstop Fuel Handling Wall Top Waterstop Repaired with Sikastix Epoxy Cement	None	None	Satisfactory	Randy G. Godwin Individual Notified: N/A Date 5/24/78
3	Repair of Vinaliner Membrane Six accidental Holes drilled on 204 Elevation. (0° - 270°)	None N/A	None N/A	Satisfactory Area patched and new concrete replaced	Randy G. Godwin Individual Notified: Jim Cathan Date 7/12/78
4	Repair of Waterstop Azimuth 225° ± Elevation 204 Waterstop burned during Cadweld operation.	Area was chipped out and waterstop replaced checked 7/14/78 p. 156	None Not Applicable	Satisfactory	Randy G. Godwin Individual Notified: Jim Cathan Date 7/14/78
5	Waterstop Butt Splices 200 ± 215 ±	None All Splices Made in accordance with WP-12.	None	Satisfactory	Randy G. Godwin Individual Notified: J. C. Hyatt Date 7/21/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR WATERSTOP AND WATERPROOFING

Placement No. 1CB5L216 002

Sheet 2 of 2

Location Unit No 1 Containment B1-1g

NO.	INSPECTION LOCATION	SPlicing VIOLATIONS OR HOLIDAYS	INSTALLATION VIOLATIONS	QUALITY	QC INSPECTOR
1	<u>Waterstop & Waterproofing</u> Azimuth 180° Accidental Burning by Cadweld	<u>None</u> Patching in progress by Carpenters and Painters (Completed Satisfactory 7/28/78)	<u>None</u>	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: J.C. Hyatt Date 7/24/78
2	<u>Waterstop</u> Alignment Inspection 151-50° to 208-1°	Two violations noted. Reported to Foreman and corrected.	<u>None</u> All req'd. waterstop in place. Needs to be tied down prior to concrete Placement.	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: J.C. Hyatt Date 8/2/78
3	<u>Waterstop</u> Entire Placement 151-50° to 208-1°	<u>None</u> All work performed in accordance with WP-02.	Final check completed 8/15/78	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Calkin Date 8/15/78
4					Individual Notified: Date
5					Individual Notified: Date

SPK

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. LCB5L216,002

Sheet 1 of 4

Location Unit No. 1 Containment Building

Drawings CAR-2167-G-0610 0611 0612 0613 -0614 0617

INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	INSPECTOR
1. Elevation 198 ft. Bottom Reinforcing North-South Bars	<u>None</u> All req'd. bars in place	Two bars checked out of tolerance, but checked out upon correction by field.	<u>Satisfactory</u>	Frank Collins General Foreman Individual Notified: 5/2/78 Randy D. Gibson
2. Elevation 198 ft. Bottom Reinforcing North-South Bars East-West Bars	<u>None</u> All req'd. bars in place	Clearance between Asbestos board and cadweld was under $\frac{1}{2}$ ". Discussant with Area Engineer decided to tolerate $\frac{1}{2}$ " or more. Future clearance to be $\frac{1}{2}$ inch min.	<u>Satisfactory</u>	Frank Collins General Foreman Individual Notified: 5/5/78 Randy D. Gibson
Elevation 198 ft. Bottom Reinforcing East-West Bars	<u>None</u> All req'd. bars in place	Five clearance and spacing violations were noted and corrected.	<u>Satisfactory</u>	Frank Collins Satisfactory Individual Notified: 5/8/78 Randy D. Gibson
Elevation 204 ft. Bottom Reinforcing Circumferential Bars	<u>None</u> All req'd. bars in place	Problem with Spacing Tolerance at Cadweld Joint of bars (QA Hold) Corrected AM 6/6/78	<u>Satisfactory</u>	Frank Collins General Foreman Individual Notified: 6/6/78 Randy D. Gibson
Elevation 201 ft. U Bars in Key Way between Containment and Fuel Handling Building	<u>None</u> All req'd. bars in place	Spacing tolerance and location out on North-South Bars. Problem corrected PM 6/4/78	<u>Satisfactory</u> SPK	Randy D. Gibson Individual Notified: Frank Collins Date 6/6/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CB5L21002

Sheet 2 of 4

Location Unit No 1 Containment Building

Drawings CAR-2107-0- 0610 0611 0612 0613 0614 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	INSPECTOR
1	Elevation <u>204</u> Bottom Mat Circular Bars Radial Bars Const. Joint between 151'-5" to 180' Drug. 0612	To be checked at later date quantity not complete 6/8/78	outside circular bars, out of tolerance in several areas. Notified Foreman	satisfactory	Randy G. Gudwin Individual Notified: Stan Warnbrod Date 6/8/78
2	Elevation <u>204</u> Bottom Mat Circular Bars Radial Bars Const. Joint between 151'-5" and 180' (Lower Layer of) Lower Mat	None	Several violations noted and corrected 6/12/78	satisfactory	Randy G. Gudwin Individual Notified: Frank Collins Date 6/12/78
3	Elevation <u>204</u> Bottom Mat Circular Bars Radial Bars Const. Joint between 151'-5" and 180' Lower Layer is Lower Mat	None	All spacing violations corrected and checked out. 6/13/78	satisfactory	Randy G. Gudwin Individual Notified: Frank Collins - G.F. Date 6/13/78
	Elevation <u>204</u> Bottom Mat Bottom Layer Circum. Bar (0' - 27')	None	Several areas spacing out of tolerance, reported to Foreman.	satisfactory	Randy G. Gudwin Individual Notified: Jim Elliott Date 7/12/78
	Elevation <u>204</u> Bottom Mat Bottom Layer Circular Bars (151' 5" - 208' 10')	None All req'd bars in place.	Several bars marked which did not meet spacing tolerances. Foreman notified and corrective in progress.	satisfactory	Randy G. Gudwin Individual Notified: Frank Collins Date 7/19/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CB5L216002

Sheet 3 of 4

Location Unit No 1 Containment Building

Drawings CAR-2167-G- 0610 0611 0612 0613 0614 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	Elevation 204 Bottom Mat Bottom Layer Radials (180° - 208° 10')	Several bars not placed as of 7/21/78 Work in Progress	Several areas noted. General Foreman informed	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/21/78
2	Elevation 204 Bottom Mat Lower & Upper Layers Circular & Radials (151°-50' - 208°-10')	None All req'd bars in place.	Several areas need to be lined up and tied down. I was assured by General Foreman that this would be complete prior to concrete placement.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/25/78
3	Elevation 210 #18 bars in Reactor Vessel Access Area North-South Bars East-West Bars (151°-50' - 208°-10')	None All req'd bars in place. 1 additional cadwall needed to eliminate problem with survey stand.	Several areas noted and reported to General Foreman for corrections.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/28/78
4	Elevation 216 Top Mat Bottom Layer Radials & Circulars (151°-50' - 208°-10')	Several bars left out to accommodate wall down installation. To be replaced after wall down is set.	Areas need to be lined up and tied down. Reported to General Foreman.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 8/2/78
5	Elevation 216 Top Mat Upper & Lower Layers Radials & Circulars (151°-50' - 208°-10')	see above (4)	Spacing tolerances are not being met. Reported to Superintendent and General Foreman. Not corrected as of 8/8/78	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Jim Lasker Date 8/8/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CB5L216002

Sheet 4 of 4

Location Unit No. 1 - Containment Bldg.

Drawings CAR-2167-G- 0610 0611 0612 0613 0614 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	Elevation <u>216</u> <u>Top Mat</u> <u>Radials, Circum,</u> <u>1' Wall Donuts</u> <u>151'-50' to 208'-10'</u>	<u>None</u> All areas checked, and corrections Verified.	Several areas noted and reported to General Foreman. These were corrected. <u>FINAL CHECK</u> <u>8/18/78</u>	<u>Satisfactory</u>	<u>Randy G</u> <u>Goelzer</u> Notified: <u>Frank</u> <u>8/19/78</u> Date <u>8/18/78</u>
2					
3					
4					
5					

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR WATERSTOP AND WATERPROOFING

TP-21
Exhibit 1

Placement No. 1CB5L216003

Sheet 1 of 12

Location Unit No. 1 Containment Building

NO.	INSPECTION LOCATION	SPLICING VIOLATIONS OR HOLIDAYS	INSTALLATION VIOLATIONS	QUALITY	QC INSPECTOR
1	Repair of Waterstop ① Azimuth 270° ± ② Azimuth 320° ± Elevation 204 Waterstop burned during cadweld operation.	Areas are to be chipped out and waterstop replaced by patching. <u>Work Not completed</u> 7/19/78		-	Randy G. Godwin Individual Notified: Jim Lathan Date 7/19/78
2	Waterstop Butt Splices 325" ± 340" ± 275" ±	<u>None</u> All splices made in accordance with WP-12.	<u>None</u>	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: J. C. Hyatt Date 7/21/78
3	Waterstop Alignment Inspection 270° - 320°	One area burned by cadwelding. Reported to Superintendent and corrected.	<u>None</u>	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: J. C. Hyatt Date 8/2/78
4	Waterstop 2.4" ± Accidental burning by cadweld operation. 280" ±	Area corrected on 8/8/78.	on	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Lathan Date 8/8/78
5	Waterstop Entire Placement 270° - 303°	<u>None</u> All work performed in accordance with WP-02.	<u>Final check completed</u> 8/15/78	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Lathan Date 8/15/78

SK

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CBSL211,005

Sheet 1 of 3

Location Unit No. 1 Containment Building

Drawings CIP-2107-C-0610 0611 0612 0613 0614 0617

INSPECTION LOCATION	QUALITY VIOLATIONS	STEELING VIOLATIONS	QUALITY	INSPECTOR
1. Elevation 198 ft Bottom Reinforcing North-South Bars	<u>None</u> All req'd. bars in place.	Two bars checked out of tolerance but checked out upon correction by field.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 5/2/78 Randy G. Gohwin
2. Elevation 198 ft Bottom Reinforcing North-South Bars East-West Bars	<u>None</u> All req'd. bars in place.	Clearance between Asbestos board and cadweld was under $\frac{1}{2}$ ". Discussed with Area Engineer decided to tolerate $\frac{1}{4}$ " or more. Future clearance to be $\frac{1}{2}$ inch min.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 5/5/78 Randy G. Gohwin
3. Elevation 198 Ft. Bottom Reinf. North-South Bars East-West Bars (Reactor Vessel) Recirc Area	<u>None</u> All req'd. bars in place	A final re-bar inspection was made and all violations corrected.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 6/6/78 Randy G. Gohwin
Elevation 204 Ft. Bottom Reinforcing Circular Bars Lower Layer of Lower Mat 270° - 360°	<u>None</u> All req'd. bars in place	Several violations noted and Foreman notified.	<u>Satisfactory</u>	Randy G. Gohwin Individual Notified: Stan Warmbrun 6/15/78
Elevation 201' Square Key - U Bars (303° - 270°)	<u>None</u> All req'd. bars in place.	Bars not completely tied down. Awaiting circular and Radial bar installation.	<u>Satisfactory</u>	Randy G. Gohwin Individual Notified: Jim Elliott 7/6/78

ENCLOSURE 1
78-11

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1 CBSL 216003

Sheet 2 of 3

Location Unit No 1 Containment Building

Drawings CAR-2167-G- 0610 0611 0612 0613 0614 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	<u>Elevation 204</u> Bottom Mat Bottom Layer Circular Bars (270° - 0°)	<u>None</u> All req'd bars in place.	Several bars marked which did not meet spacing tolerances. Foreman notified and corrections in progress.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/19/78
2	<u>Elevation 204</u> Bottom Mat Bottom Layer Radials (270° - 330°)	Several bars not placed as of 7/21/78 <u>Work in Progress</u>	Several areas noted. General Foreman informed.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/21/78
3	<u>ELEVATION 204</u> Bottom Mat Reinforcing around Valve Chambers at Azimuth 315°	<u>None</u> All req'd bars in place.	Several bars violate spacing tolerance. General Foreman was notified.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/26/78
4	<u>Elevation 204</u> Bottom Mat Lower & Upper Layers Circular & Radials (270° - 360°)	<u>None</u> All req'd bars in place.	Several areas need to be lined up and tied down. I was assured by General Foreman that this would be complete prior to concrete placement.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/25/78
5	<u>Elevation 210</u> #10 bars in Reactor Vessel Rows Area North-South Bars East-West Bars (270° - 360°)	<u>None</u> All req'd bars in place. 1 additional cadweld needed to eliminate problem with Survey Stand.	Several areas noted and reported to General Foreman for correction.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/25/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CB5L216003

Sheet 3 of 3

Location Unit No. 1 Containment Bldg.

Drawings CAP-2167-G- 0610 0611 0612 0613 0614 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	<u>Elevation 216</u> Top Mat Upper & Lower Layers Radials & Circulars (270° - 303°)	Some bars left out to accommodate wall Dowel installation.	Spacing tolerances are not being met. Reported to Superintendent and General Foreman. Not corrected as of 8/8/78	<i>satisfactory</i>	Randy G. Godwin Notified: Jim Colhan Date 8/8/78
2	<u>Elevation 216</u> Cylinder Wall Dowels All Rows 270° - 303°	<u>None</u> All bars in place.	Some Spacing violation noted. Reported to General Foreman 8/15/78	<i>satisfactory</i>	Randy G. Godwin Notified: Frank Collins Date 8/15/78
3	<u>Elevation 216</u> Shear Truss Bars 270° - 303°	Several bars found to be left out because of support steel. Replaced 8/15/78	<u>None</u> All spacing meets tolerance.	<i>satisfactory</i>	Randy G. Godwin Notified: Jim Elliott Date 8/15/78
4	<u>Elevation 216</u> Top Mat Radials Circum & Wall Dowels 270° - 303°	<u>None</u> All areas checked and corrections verified.	Several areas noted and Reported to General Foreman. These were corrected. <u>FINAL CHECK</u> 8/18/78	<i>satisfactory</i>	Randy G. Godwin Notified: Frank Collins Date 8/18/78
5					Notified: _____ Date _____

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR WATERSTOP AND WATERPROOFING

Placement No. 1CB5L216006

Sheet 2 of 2

Location Unit No 1 Containment Building

NO.	INSPECTION LOCATION	SPlicing VIOLATIONS OR HOLIDAYS	INSTALLATION VIOLATIONS	QUALITY	QC INSPECTOR
1	<u>Waterstop</u> Butt Splices 215° ± 270° ±	<u>None</u> All splices made in accordance with WP-12.	<u>None</u>	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: J. C. Hyatt Date 7/21/78
2	<u>Waterstop</u> Alignment Inspection 270° - 320° 208-11° - 270°	One area rejected because of minimum 15-inch splice being performed. Reported to General Foreman and Superintendent and corrected.		<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Cathan Date 8/2/78
3	<u>Waterstop</u> Elev. 2.4 Accidental burning by Cadweld operations 250 ±	Area corrected on 8/8/78		<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Cathan Date 8/8/78
4	<u>Waterstop</u> Entire Placement 208-10° - 270°	<u>None</u> All worked performed in accordance with WP-02.	Final check completed 8/15/78	<u>Satisfactory</u>	Randy G. Godwin Individual Notified: Jim Cathan Date 8/15/78
5				<u>SA</u>	Individual Notified: Date

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CBSL216006

Sheet 1 of 3

Location Unit No. 1 Containment Building

Drawings CAR-2167-G- 0610 0611 0612 0613 0614 0617

INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	INSPECTOR
1 Elevation 198 ft. Bottom Reinforcing North-South Bars	<u>None</u> All req'd. bars in place.	Two bars checked out of tolerance, but checked out upon correction by field.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 5/2/78 Randy G. Cullin
2 Elevation 198 ft. Bottom Reinforcing North-South Bars East-West Bars	<u>None</u> All req'd. bars in place.	Clearance between Asbestos board and cadweld was under $\frac{1}{2}$ ". Discussed with Area Engineer decided to tolerate $\frac{1}{2}$ " or more. Future clearance to be $\frac{1}{2}$ " min.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 5/5/78 Randy G. Cullin
3 Elevation 198 ft. Bottom Reinf. North-South Bars East-West Bars (Reactor Vessel) Access Area	<u>None</u> All req'd. bars in place.	A final re-bar inspection was made and all violations corrected.	<u>Satisfactory</u>	Frank Cullin General Foreman Individual Notified: 6/6/78 Randy G. Cullin
4 Elevation 204 ft. Bottom Reinforcing Circular Bars Lower Layer of Lower Mat 250° - 310°	<u>None</u> All req'd. bars in place.	Several violations noted and Foreman notified	<u>Satisfactory</u>	Randy G. Cullin Individual Notified: Stan Warnbrock 6/15/78
5 Elevation 201 Shear Key - U Bars (270° - 191°)	<u>None</u> All req'd. bars in place.	Bars not completely tied down. Awaiting circular and radial bar installation.	<u>Satisfactory</u> EPK	Randy G. Cullin Individual Notified: Jim Elliot Date 7/6/78

Example 1
7-1

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1CB5L216006

Sheet 2 of 3

Location Unit No. 1 Containment Building

Drawings CAR-2167-G- 0610, 0611, 0612, 0613, 0614, 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	Elevation 204 Bottom Mat Bottom Layer Circular Bars (208'-10" - 270")	<u>None</u> All req'd bars in place.	Several bars marked which did not meet spacing tolerance. Foreman notified and correction in progress.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/17/78
2	Elevation 204 Bottom Mat Bottom Layer Radials (208'-10" - 270")	Several bars not placed as of 7/21/78. <u>Work in Progress</u>	Several areas noted. General Foreman informed.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/21/78
3	Elevation 204 Bottom Mat Reinforcing around Valve Chambers at Azimuth 225	<u>None</u> All req'd bars in place.	Several bars violate spacing tolerance. General Foreman was notified.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/26/78
4	Elevation 204 Bottom Mat Lower & Upper Layers Circum & Radials (208'-10" - 270")	<u>None</u> All req'd bars in place.	Several areas need to be lined up and tied down. I was assured by General Foreman that this would be complete prior to concrete placement.	<u>satisfactory</u>	Randy G. Godwin Individual Notified: Frank Collins Date 7/28/78
5	Elevation 216 #18 bars in Radial Vessel Access Area North-South Bars East-West Bars (208'-10" - 270")	<u>None</u> All req'd bars in place. additional 1" Cadweld needed to eliminate problem with survey stand.	Several areas noted and reported to General Foreman for corrections.	<u>satisfactory</u> EJK	Randy G. Godwin Individual Notified: Frank Collins Date 7/28/78

CAROLINA POWER & LIGHT
SHEARON HARRIS NUCLEAR POWER PLANT
FIELD INSPECTION REPORT FOR REINFORCING STEEL

Placement No. 1 CTBSL216 006

Sheet 3 of 3

Location Unit No. 1 Containment Building

Drawings CAR-2167-G- 0610, 0611, 0612, 0613, 0614, 0617

NO.	INSPECTION LOCATION	QUANTITY VIOLATIONS	SPACING VIOLATIONS	QUALITY	CC INSPECTOR
1	Elevation 216 Top Mat layer Upper & Lower Mat Radials & Circum. (208'-10" - 270')	Some bar left out to accommodate wall Dowel installation.	Spacing tolerances are not being met. Reported to Superintendent and General Foreman. Not corrected as of 8/8/78	Satisfactory	Randy G. Godwin Individual Notified: Jim Lathan Date 8/8/78
2	Elevation 216 Shear Truss Bars 208'-10" - 270'	Several bars found to be left out because of support steel. Replaced 8/15/78	None All spacing meets tolerance.	Satisfactory	Randy G. Godwin Individual Notified: Jim Elliott Date 8/15/78
3	Elevation 216 Cylinder Wall Dowels All Rows 208'-10" - 270'	Several bars found None All bars in place.	Some Spacing violations noted. Reported to General Foreman. 8/15/78	Satisfactory	Randy G. Godwin Individual Notified: Frank Collins Date 8/15/78
4	Elevation 216 Top Mat Radials, Circum., & Wall Dowels 208'-10" to 270'	None All areas checked and corrections verified	Several areas noted and reported to General Foreman. These were corrected. FINAL CHECK 8/15/78	Satisfactory	Randy G. Godwin Individual Notified: Frank Collins Date 8/15/78
5					

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

TP-15
Exhibit 3

POST PLACEMENT CHECKLIST

PLACEMENT NO. 1CB5L216 002

LOCATION Unit # 1
Containment Building

CHECKLIST	REMARKS	INITIALS
Defects Repaired ^(QA) <i>notified</i>	<i>(Being Patched) Large Cavity at west north V.C.</i>	<i>RGG</i>
Anchor Holes Grouted	<i>Satisfactory</i>	<i>RGG</i>
<u>CURING</u>		
A. Water ✓	<i>Satisfactory</i>	<i>RGG</i>
B. Curing Compound		
C. Ponding ✓	<i>Satisfactory</i>	<i>RGG</i>
D. Burlap <i>(Wet)</i> ✓	<i>Satisfactory</i>	<i>RGG</i>
E. Wet Sand		
F. Polyethylene		
G. Temperature ✓	<i>Satisfactory</i>	<i>RGG</i>
<u>FINISH</u>		
A. Steel Trowel		
B. Wood Float <i>(Buil)</i> ✓	<i>Satisfactory</i>	<i>RGG</i>
C. Broom		
D. Hair Brush		
E. Rubber Float		
<i>Exposed Aggregate</i>	<i>Satisfactory</i>	<i>RGG</i>

QC INSPECTOR

Randy S. Edwin

DATE

9/18/78

PRINCIPAL SITE CIVIL ENGINEER

SPR

DATE

9/18/78

10.1 9
 AMBIENT TEMP. 78 °F
 THERMOMETER NO. M7506

FIELD QC INSPECTOR
 DATE 8/17/78
 (pump discharge)
 FIELD QC INSPECTOR
 DATE 8/17/78

FIELD QC INSPECTOR
 DATE 8/17/78
 (pump discharge)
 FIELD QC INSPECTOR
 DATE 8/17/78

TIME NO.	TEMP SAMPLED	PRESSURE PSI	FLOW GPM	ELEVATION FT	SPEED (RPM)	CURB TEMP (°F)	THERM. NO.	AIR METER NO.	UNIT WT. (BUCKET)	UNIT WT. (BUCKET)	WATER ADDED	TEST CYLINDERS		REMARKS
												7 DAY	30 DAY	
22	6:00	10	10	15381	2 1/2	88	M7506	M7507A			20			Set 1 1565
29	6:25	10	10	15382	2	85	M7506	M7507A	142.5	M7507A	20	4850	16610	Set 1 1565
25	7:20	10	10	15389	3	80	M7510	M7507A			10			Set 1 1565
29	7:35	10	10	15394	3 1/4	82	M7510	M7507A	142.5	M7507A	17	4700	5700	Set 2 1566
26	7:50	10	10	15399	1 3/4	82	M7510	M7507A			6			Set 2 1566
23	8:20	10	10	15404	1 3/4	80	M7510	M7507A	144.1	M7507A	0	4400	5800	Set 3 1567
23	8:35	10	10	15409	2 3/4	82	M7510	M7507A			0			Set 3 1567
30	9:00	10	10	15414	3	82	M7510	M7507A	144.6	M7507A	0	4400	4740	Set 4 1568
29	9:20	10	10	15419	3	82	M7510	M7507A			0			Set 4 1568
24	10:05	10	10	15424	2 3/4	82	M7510	M7507A	146.4	M7507A	0	4070	5840	Set 5 1569
22	10:28	10	10	15429	2 1/4	80	M7510	M7507A			0			Set 5 1569
22	11:05	10	10	15434	1 3/4	80	M7510	M7507A	141.6	M7507A	0	4210	5820	Set 6 1570

FIELD QC INSPECTOR Rickie Stuchland DATE 8-17-78
 LAB QC INSPECTOR Cathy Youngstrom DATE 9-14-78
 QA SPECIALIST Emyl Kelly DATE 9-15-78

84/178 - 84/175

(Discharge card)

[illegible]

() 0000 0000 0000 0000

AMERICAN LIB. 71 40

THEYRELL & CO. 2145 1/2

TIME	DATE	TEMP.	PRESS.	DEPTH	SPEED	COR.	THERM.	WTC	AIR METER	UNIT WT.	UNIT WT. (BUCKET)	WATER ADDED	TEST CYLINDERS			REMARKS
													RESULTS			
													7 DAY	5 DAY	3 DAY	
23	11:30	10		15440	1 1/2	80	M4510	5.0	M4508A	141.3		0				299
30	11:45	10		15445	1 3/4	80	M4510	5.1	M4508A	141.3		0	4280	5740	1450	Set 7 1571
28	12:15	10		15450	2	80	M4510	5.0	M4508A			0				300
27	12:45	10		15455	1 1/2	82	M4510	4.8	M4508A	141.3		0	4320	5320	5310	Set 3 1572
30	1:10	10		15460	4	80	M4510	3.8	M4508A			0				K 901
24	1:25	10		15465	3 1/4	80	M4510	5.5	M4508A	141.3		0	4280	5460	5450	Set 1 1573
27	1:40	10		15470	5	80	M4510	5.5	M4508A			0				302
25	2:00	10		15475	4	82	M4510	6.1	M4508A	141.9		0	3890	5410	5270	Set 10 1574
24	2:30	10		15480	2 3/4	82	M4510	5.5	M4508A			0				303
22	2:45	10		15485	2 3/4	80	M4510	5.5	M4508A	144.4		0	4070	5320	5910	Set 11 1515
30	3:10	10		15490	3	80	M4510	5.9	M4508A			0				304
28	3:35	10		15495	4 1/4	80	M4510	7.0	M4508A	141.9		0	3610	5340	5270	Set 12 1576

DATE RECEIVED _____

ALL REQUIRED 6 1 2 7

105-10411X # M-56

1000 PSI

FIELD (U) INSPECTOR

LAB QC INSPECTOR

ASTORIA, ORE.

Ruby S. Lupton

Cathy Youngstrom

Ermine Kelly

DATE 8-17-18

DATE 9-14-78

DATE 9-19-78

CONCRETE TEST REPORT
 (Procedure C-10)

PROJECT NO. 100-100-100 DATE 8-18-78 (Prep Date) 8-18-78
 AMBIENT TEMP. 74 °F.
 THERMOMETER NO. 1000

TIME	TEMP. SAMPLED	CURE TIME	ELEVATION	COOR.	THERM. NO.	AIR METER NO.	UNIT WT.	UNIT WT. BUCKET	WATER ADDED	TEST CYLINDERS			REMARKS
										7 DAY	28 DAY	DAY	
21	51	100	100	50	100	100	100	100	0	4000	5020	5730	30 ¹ 1577
22	52	100	100	50	100	100	100	100	0	3680	5200	5310	30 ¹ 1578
23	53	100	100	50	100	100	100	100	0	4350	6010	5840	30 ¹ 1579
24	54	100	100	50	100	100	100	100	0	4780	6190	6230	30 ¹ 1580
25	55	100	100	50	100	100	100	100	0	4320	5930	5550	30 ¹ 1581
26	56	100	100	50	100	100	100	100	0	4320	5910	5660	30 ¹ 1582
27	57	100	100	50	100	100	100	100	12				

SLEEP REQUIRED 9 ¹/₂ hr.
 AIR REQUIRED 6 ¹/₂ hr.
 DESIGN MIX # 100
 DESIGN SPECIFICATION 100
 FIELD QC INSPECTOR Ricky Strickland DATE 8-17-78
 LAB QC INSPECTOR Anthony Youngstrom DATE 9-14-78
 QA SPECIALIST Eugene Kelly DATE 9-19-78

CONCRETE PORTLAND CEMENT COMPANY
 3400 MOORE AVENUE, BIRMINGHAM, ALABAMA
 CONCRETE TEST REPORT

Page 1 of 2

TEST REPORT NO.

DATE

DATE

(Please Discharge)

AMBIENT TEMP. °F

THERMOMETER NO.

() OTHER

() P. CLOUDY

() F. DRY

() F. WET

() F. FOG

() F. HAZE

() F. RAIN

() F. SNOW

() F. SMOKE

() F. DUST

() F. OTHER

TIME NO.	TID SAMPLED	ELEVATION FOOT	SLUG (CU)	CUMUL. TEMP. (°F)	THERM. NO.	AIR METER NO.	UNIT WT. BUCKET	WATER ADDED	TEST CYLINDERS			REMARKS
									7 DAY	28 DAY	DAY	
21	21	21	1 3/4	56	21	21	142.1	0	4740	620	6010	311 1583
22	22	22	1 3/4	56	22	22	142.1	0				312 1584
23	23	23	2 1/4	54	23	23	142.1	12	4670	6190	6260	313 1585
24	24	24	3.0	52	24	24	142.1	0				314 1586
25	25	25	3 1/2	50	25	25	142.1	10	3610	5410	5450	315 1587
26	26	26	2.6	52	26	26	142.1	0				316 1588
27	27	27	2 1/4	54	27	27	142.1	12	4490	6050	6300	
28	28	28	2 1/4	54	28	28	142.1	0				
29	29	29	2 1/4	52	29	29	142.1	0	4170	6050	5660	
30	30	30	3 1/4	56	30	30	142.1	0				
31	31	31	3 1/4	52	31	31	142.1	0	4100	5590	5660	
32	32	32	4.0	52	32	32	142.1	0				

SLUG REQUIRED 1 1 in.

AIR REQUIRED 1 2 in.

DESIGN MIX # 1

DESIGN SPECIFICATION 1

FIELD QC INSPECTOR

LAB QC INSPECTOR

QA SPECIALIST

Ruby Stuckland

Cathy Youngstrom

Eugene Kelly

DATE 8-18-78

DATE 9-14-78

DATE 9-19-78

1.1.1
Rev. 1

UNION PA POWER & LIGHT COMPANY
SILVER HARBOR NUCLEAR POWER PLANT
CONCRETE TEST REPORT
(Procedure CQC-114)

Page 5 of 9

PLACEMENT NO. 16052 DATE 5 18 78
LOCATION Ring (PUMP DISCHARGE)

WEATHER: () OVERCAST () FAIR () OTHER _____
() FOG () P. CLOUDY

AMBIENT TEMP. 92 °F

THERMOMETER NO. 4507

TUBE NO.	TUBE SAMPLED	TUBE VARIATION	TICKET NO.	SLUMP (in)	CONG. TEMP. (°F)	THERM. NO.	AIR (°F)	AIR METER NO.	UNIT WT.	UNIT WT. BUCKET	WATER ADDED	TEST CYLINDERS RESULTS				REMARKS
												7 DAY	DAY	DAY	DAY	
28	1	FI	1222	3 1/2	82	6.6	74.2	143.2	109250	0	3750	5270	5270			317 1589
29	1	FI	1223	3 3/4	82		74			0						
25	1	FI	1222	4.0	82		74		146.0	109250	0	4030	5410	5590		318 1590
23	1	FI	1222	3 3/4	84		6.6			0						
30	1	FI	1223	4.0	82		74		143.1	109250	0	3820	5660	5660		319 1591
26	1	FI	1222	2 1/2	86		4.2			0						
30	1	FI	1223	2 1/2	85		4.2		143.2	109250	0	4560	6260	6150		320 1592
29	1	FI	1222	2 1/4	84		4.2			0						
27	1	FI	1223	3.0	86		4.6		144.1	109250	0	3890	5660	5550		321 1593
29	1	FI	1222	3 1/2	84		7.4			0						
25	1	FI	1223	3 1/2	82		6.6		143.1	109250	0	3680	5380	5620		322 1594
30	1	FI	1223	3.0	84		6.6			0						

SLUMP REQUIRED 2 1/2 in.

AIR REQUIRED 1/2 %

DESIGN MIX # _____

DESIGN STRENGTH 11

FIELD QC INSPECTOR Ricky Stickland DATE 8-18-78

LAB QC INSPECTOR Cathy Youngstrom DATE 9-14-78

QA SPECIALIST Eugene Kelly DATE 9-19-78

FOR THE COMPANY CONCRETE TESTING REPORT

PROJECT NO. 1602 DATE 8-14-78

LOCATION 1st St. (over)

TEST NO. 23 () OTHER () P. CLOUDY

AMBIENT TEMP. 80

RELATIVE HUMIDITY 70

TEST NO.	CURE	SLAB	TEMP. (°F)	AIR METER NO.	UNIT WT. (BUCKET)	WATER ADDED	TEST CYLINDERS			REMARKS
							7 DAY	14 DAY	28 DAY	
23	1 1/2	2 1/4	57	142.5	142.5	0	3640	5450	5980	323 1595
23	1 1/2	2 1/4	57	142.5	142.5	0				324 1596
23	1 1/2	2 1/4	57	142.5	142.5	0	3630	5590	5840	325 1597
23	1 1/2	2 1/4	57	142.5	142.5	0	3610	5730	5620	324 1598
23	1 1/2	2 1/4	57	142.5	142.5	0	4040	6190	6150	327 1599
23	1 1/2	2 1/4	57	142.5	142.5	0	4000	5800	5620	324 1600
23	1 1/2	2 1/4	57	142.5	142.5	0	4530	6540	6400	
23	1 1/2	2 1/4	57	142.5	142.5	10				

SLAB REQUIRED 1 1/2 IN.

AIR REQUIRED 1 1/2 IN.

DESIGN MIX # 1

DESIGN SPECIFIC 1

FIELD QC INSPECTOR Ricky Stuckland DATE 8-18-78

LAB QC INSPECTOR Carly Youngstrom DATE 8-14-78

QA SPECIALIST Eugene Kelly DATE 9-19-78

QUALITY INFORMATION

CHOLERA FORM 2, LEECH COMPANY
 AND ALSO HAVE THE TIME FOR THE PLACE
 COMPLETE TEST REPORT

PLANT NO.

LOT NO.

DATE

WIND DIRECTION () F. CLOUDY

WIND SPEED () F. CLOUDY

AMBIENT TEMP.

THERMOMETER NO.

TIME	CO.	SAMPLING	TEMP.	CO.	SLURRY	TEMP.	CO.	AIR	METER	UNIT	WT.	BUCKET	WATER	TEST CYLINDERS			REMARKS
														7 DAY	30 DAY	60 DAY	
201	8	2	84	1 1/2	84	0.4524	5.4	0.4524	142.5	0.4524	4000	5660	5720				329 15 + 37 1601
21	8	2	84	2 1/4	84	0.4526	5.5	0.4526			4070	5778	5880				330 15 + 38 1602
30	9	2	86	2 1/4	86	0.4526	5.6	0.4526									331 15 + 39 1603
30	2	2	84	3	84	0.4526	5.5	0.4526									332 15 + 40 1604
23	9	2	86	3 3/4	86	0.4526	5.4	0.4526	143.1	0.4526	3710	5660	5740				333 15 + 41 1605
27	2	2	82	2 3/4	82	0.4526	5.3	0.4526									334 15 + 42 1606
24	9	2	82	2 3/4	82	0.4526	5.6	0.4526	143.1	0.4526	4100	5380	5800				
25	9	2	82	2 1/4	82	0.4526	5.4	0.4526									
23	2	2	84	3	84	0.4526	5.5	0.4526	142.3	0.4526	3750	5890	5620				
23	4	2	84	3 3/4	84	0.4526	4.0	0.4526	143.2	0.4526	3780	5020	4950				
22	2	2	84	2 3/4	84	0.4526	5.6	0.4526									
28	2	2	80	3 1/2	80	0.4526	5.4	0.4526									

SLURRY REQUIRED 1 1/2 in.

AIR REQUIRED 1 1/2 in.

DESIGN MIX # 100 51

DESIGN SPECIFICATION 100 51

FIELD QC INSPECTOR

LAB QC INSPECTOR

QA SPECIALIST

DATE

DATE

DATE

Brucet

HRW

Eugene Kelly

8/19/78

9-16-78

9-19-78

FOR INFORMATION OF THE CONTRACTOR FOR THE EPOCH COMPANY LAB FOR HARTEN INDUSTRIAL POWER PLANT CONCRETE TEST REPORT (Procedure C-13)

Page 5 of 5

PROJECT NO. 15-222 DATE 2/2/78 (Procedure C-13)

LAB NO. 15-222-1

REMARKS: () OVERCAST () RAIN () OTHER 2/2/78 () P. CLOUDY

AMBIENT TEMP. 71 °F
 THERMOMETER NO. 105526

TIME	TEMP. SAMPLED	ELEVATION	EFFECT. NO.	SLURRY (C)	COURT. TEMP. (°F)	THERM. NO.	AIR METER NO.	UNIT WT. (BUCKET)	WATER ADDED	TEST CYLINDERS RESULTS			REMARKS
										7 DAY	28 DAY	DAY	
26	15.25	10	15.25	3 3/4	80	105526	105526	144.4	105526	3840	5320	5380	335 Set 43 1607
24	15.20	10	15.20	3 3/4	80	105526	105526	144.4	105526	4300	5610	5550	334 Set 41 1608
22	15.15	10	15.15	2 1/2	80	105526	105526	143.1	105526	4630	6020	5910	333 Set 45 1609
20	15.10	10	15.10	3 3/4	80	105526	105526	145.9	105526	4550	5770	5770	332 Set 46 1610
18	15.05	10	15.05	4 1/4	81	105526	105526	140.2	105526	4160	5020	5090	331 Set 47 1611

SLURRY REQUIRED 1 1/2 in.

AIR REQUIRED 1 1/2 in.

DESIGN MIX # 10-56

DESIGN SPEC. 4002 p54

FIELD QC INSPECTOR

LAB QC INSPECTOR

QA SPECIALIST

DATE 8/19/78

DATE 9-16-78

DATE 9-19-78

SLAB REQUIRED	1	1	in.
AIR REQUIRED	6	2	%
DESIGN MIX #	12-56		
DESIGN SPECIFICATION	1002 p54		
FIELD QC INSPECTOR	Sweet T. Smith		
DATE	8/19/78		
LAB QC INSPECTOR	H.L. Wright		
DATE	9-16-78		
QA SPECIALIST	Eugene Kelly		
DATE	9-19-78		