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ACCESSION NBR: 8411140286 DOC. DATE: 84/11/07 NOTARIZED: NO DOCKET #: 05000400  
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina  
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 RECIP. NAME: DENTON, H. R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards addl info re control of min wall thickness in ASME Class 1, 2 & 3 piping sys at plant. Encl tables provide results of in situ exams of piping in RHR & component cooling water sys. Info resolves concerns re SER Open Item 4.

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| 1       | 2/4     | ...               | ...   | ...     |
| 1       | 3/4     | ...               | ...   | ...     |
| 1       | 4/4     | ...               | ...   | ...     |
| 2       | 1/4     | ...               | ...   | ...     |
| 2       | 2/4     | ...               | ...   | ...     |
| 2       | 3/4     | ...               | ...   | ...     |
| 2       | 4/4     | ...               | ...   | ...     |
| 3       | 1/4     | ...               | ...   | ...     |
| 3       | 2/4     | ...               | ...   | ...     |
| 3       | 3/4     | ...               | ...   | ...     |
| 3       | 4/4     | ...               | ...   | ...     |
| 4       | 1/4     | ...               | ...   | ...     |
| 4       | 2/4     | ...               | ...   | ...     |
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Carolina Power & Light Company

NOV 07 1984

SERIAL: NLS-84-453

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT  
UNIT NO. 1 - DOCKET NO. 50-400  
CONTROL OF MINIMUM WALL THICKNESS

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) hereby submits additional information concerning "Control of Minimum Wall Thickness in ASME Class 1, 2, and 3 Piping Systems" at the Shearon Harris Nuclear Power Plant. The enclosed table provides the results of insitu examinations of piping in the Residual Heat Removal System and the Component Cooling Water System for minimum wall thicknesses. These examinations were requested by the Mechanical Engineering Branch at a meeting in Bethesda, Maryland on August 17, 1984. The purpose of this information is to resolve the remaining NRC concerns associated with Safety Evaluation Report Open Item No. 4.

If you have further questions or require additional information, please contact our staff.

Yours very truly,

  
S. R. Zimmerman  
Manager

Nuclear Licensing Section

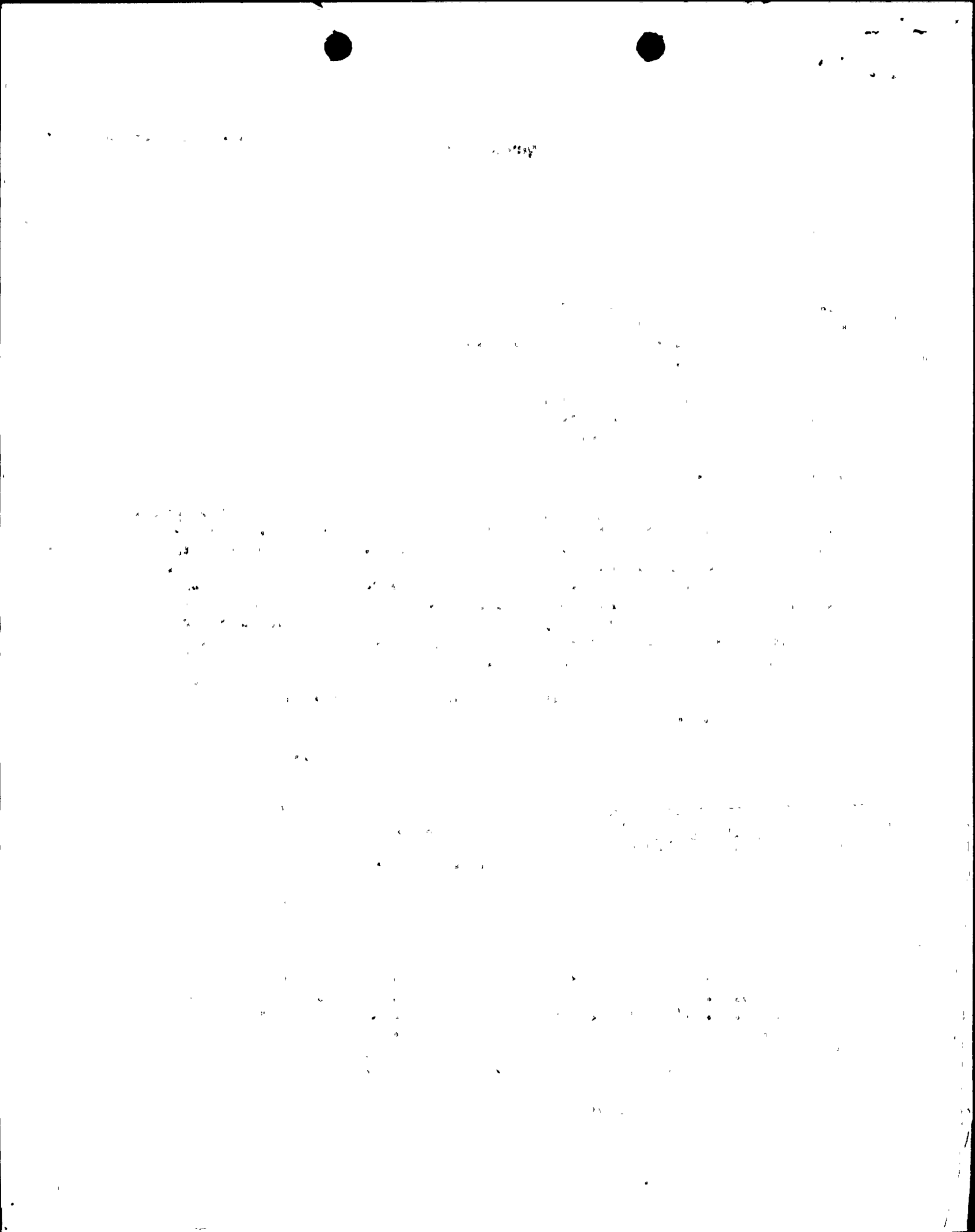
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Enclosure

cc: Mr. B. C. Buckley (NRC) Mr. Wells Eddleman  
Mr. G. F. Maxwell (NRC-SHNPP) Mr. John D. Runkle  
Mr. J. P. O'Reilly (NRC-RII) Dr. Richard D. Wilson  
Mr. David Terao (NRC-MEB) Mr. G. O. Bright (ASLB)  
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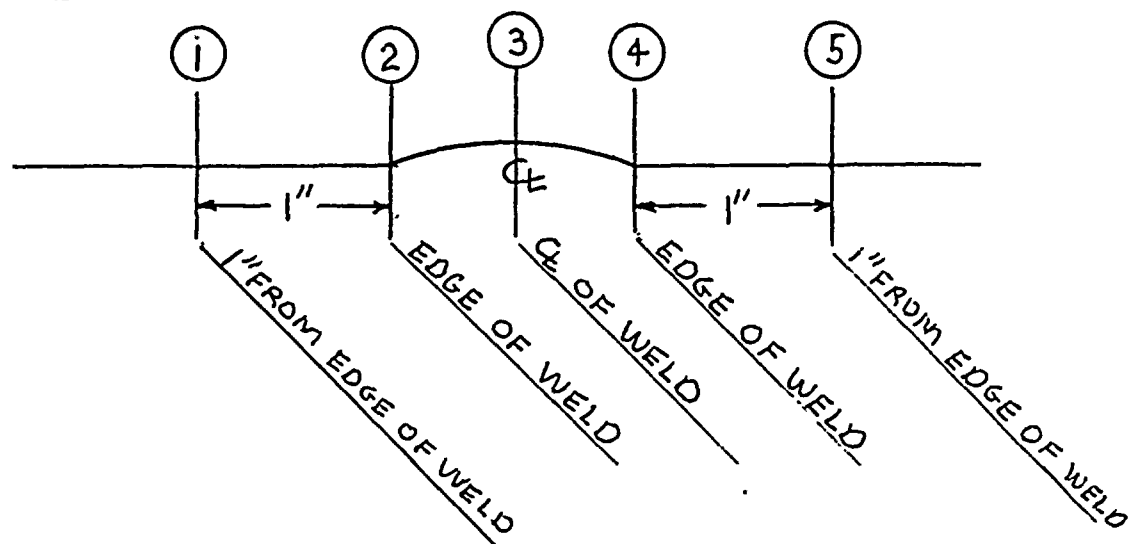
CALCULATION SHEET

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHK: \_\_\_\_\_ DATE: \_\_\_\_\_

FCR/PW/PHP NO. \_\_\_\_\_ DWNG. NO. \_\_\_\_\_ REV. \_\_\_\_\_

SUBJECT MIN - WALL SER OI 4

RESPONSE TO NRC STAFF QUESTION RAISED IN AUG. 17, 1984 MEETING



| WELD NO. | LINE NUMBER   | ①         | ②         | ③         | ④         | ⑤         | SCH. | *MIN. WALL |
|----------|---------------|-----------|-----------|-----------|-----------|-----------|------|------------|
| 1        | 3CC18-6SB-1   | .432-.482 | .436-.466 | .504-.563 | .387-.448 | .387-.448 | STD. | .328       |
| 2        | 3CC12-15SB-1  | .362-.424 | .336-.424 | .448-.508 | .378-.407 | .378-.398 | STD. | .328       |
| 3        | 3CC12-12SA-1  | .362-.400 | .360-.402 | NONE      | .382-.420 | .387-.418 | STD. | .328       |
| 4        | 3CC18-3SA-1   | .450-.512 | .472-.508 | .542-.583 | .387-.432 | .380-.432 | STD. | .328       |
| 5        | 3CC20-11SN-1  | .359-.402 | .356-.406 | .360-.509 | .366-.403 | .366-.396 | STD. | .328       |
| 6        | 3CC20-11SN-1  | .335-.418 | .332-.403 | NONE      | .389-.404 | .365-.394 | STD. | .328       |
| 7        | 3CC14-413SN-1 | .381-.406 | .386-.427 | .410-.462 | .374-.392 | .372-.394 | STD. | .328       |
| 8        | 3CC6-255SN-1  | .262-.290 | .268-.304 | NONE      | .282-.320 | .285-.332 | 40   | .245       |
| 9        | 3CC6-256SN-1  | .282-.316 | .278-.314 | NONE      | .264-.313 | .259-.317 | 40   | .245       |
| 10       | 3CC12-15SB-1  | .365-.445 | .348-.368 | NONE      | .332-.382 | .342-.424 | STD. | .328       |

\*  $T_m = T_n \times .875$

CALCULATION SHEET

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHK: \_\_\_\_\_ DATE: \_\_\_\_\_

FCR/PW/PHP NO. \_\_\_\_\_ DWNG. NO. \_\_\_\_\_ REV. \_\_\_\_\_

SUBJECT \_\_\_\_\_

| WELD NO. | LINE NUMBER   | ①         | ②         | ③         | ④         | ⑤         | SCH. | MIN. WALL |
|----------|---------------|-----------|-----------|-----------|-----------|-----------|------|-----------|
| 1        | 2RH10-8SB-1   | .398-.407 | .338-.398 | .368-.412 | .423-.539 | .474-.548 | 40S  | .319      |
| 2        | 2RH10-4SA-1   | .380-.412 | .384-.409 | .355-.401 | .331-.382 | .389-.401 | 40S  | .319      |
| 3        | 2RH10-4SA-1   | .381-.392 | .372-.397 | .394-.513 | .380-.413 | .385-.415 | 40S  | .319      |
| 4        | 2RH10-3SA-1   | .392-.422 | .392-.422 | .361-.480 | .336-.376 | .340-.397 | 40S  | .319      |
| 5        | 2RH10-3SA-1   | .399-.409 | .354-.394 | .384-.461 | .412-.438 | .438-.544 | 40S  | .319      |
| 6        | 2RH10-3SA-1   | .367-.396 | .336-.397 | .368-.407 | .375-.397 | .373-.401 | 40S  | .319      |
| 7        | 2SI14-256SB-1 | .387-.401 | .340-.384 | .375-.480 | .331-.369 | .386-.397 | .375 | .328      |
| 8        | 2RH14-7SB-1   | .394-.408 | .368-.394 | .420-.543 | .367-.403 | .376-.405 | .375 | .328      |
| 9        | 2RH10-3SA-1   | NONE      | NONE      | .574-.683 | .378-.418 | .397-.423 | 40S  | .319      |
| 10       | 2RH8-5SA-1    | .318-.347 | .307-.357 | .376-.445 | .304-.348 | .312-.342 | 40S  | .2        |

\*  $T_m = T_n \times .875$

