UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD 8-09-84

Glenn O. Bright
Dr. James H. Carpenter
James L. Kelley, Chairman

In the Matter of

CAROLINA POWER AND LIGHT CO. et al.
(Shearon Harris Nuclear Power Plant,
Unit 1)

Docket 50-400 OL

Wells Eddleman's General Interrogatories
to Applicants Carolina Power & Light et al.
(10th Set)

Under 10 CFR 2.740, 2.741 and the Board's 9-22-82 Memorandum(s) and Order(s), 6-14-84 Wells Eddleman requests Applicants to answer separately and fully in writing, under oath or affirmation, each of the following interrogatories, and to produce a permit inspection and copying of the original or best copy of all documents identified in response to interrogatories as set forth below.

These interrogatories are intended to be continuing in nature, and I request each answer to be promptly supplemented or amended as appropriate under 10 CFR 2.740(e), should CP&L, NCEMPA, any other or any contractor or consultant to any, some or all of those, Applicant, or any employee of any or some or all of them, or any individual acting on behalf of any or some of all of them, obtain or create any new or differing information responsive to these general interrogatories. The request for production of documents is also continuing and requests Applicants to produce promptly if not immediately any additional documents the Applicants and others acting on their behalf or employed by them, as listed in the previous

and NC Dept of CCPS + county emergency planners

State of NC, State or County emergency response planner or personne

(where "Them" refers to the preceding listing(s))

sentence, obtain which are responsive to the request(s) for production of documents below.

Where identification of a document is requested, please briefly describe the document (e.g. book, notebook, letter, memo, report, notes, transcript, minutes, test data, log, etc.) and provide the following information as applicable: document name, title, number, author(s), date of writing or of publication or both, addressee, date approved, by whom approved, and the name and address of the persons having normal custody of the document, and name and address of any person other than the preceding having actual possession of the document. When identifying documents in response to these interrogatories and requests, please state the portion or portions of the document (e.g. sections, chapters, pages, lines) upon which Applicants rely or which Applicants swear or affirm is/are responsive to the applicable interrogatory or request.

DEFINITIONS herein:

"Harris", "Harris Plant", "SHNPP", or "plant" where not specified otherwise, all mean the Shearon Harris Nuclear Power Plant.

"Applicants" means all of the persons, employees, consultants, contractors and corporations as listed in the first sentence of the second paragraph on page 1 of this document, above.

"FSAR" means the Harris Final Safety Analysis Report.

"ER" means the Harris Environmental Report.

"Document(s)" means all writings and records of every type, including electronic and computer records, in the possession, control or custody of Applicants or any individual(s) acting on Applicants' behalf, including, but not limited to: reports, books, memoranda, correspondence, notes, minutes, pamphlets, leaflets, magazines, articles, surveys, maps, bulletins, photographs, speeches, transcripts,

voice recordings, computer printouts, information stored in computers or computer peripheral devices such as disks, drums, etc., voice recordings, microfilm, microfiche and all other writings or recordings of any kind(s); and copies of any of the preceding even though the original(s) are not in the possession of Applicants or in their custody or control. Document(s) shall be deemed to be within the control of Applicants or any individual(s) acting on their behalf if they have ownership, possession, or custody of the document(s) or a copy thereof, or have the right to secure the document(s) or a copy thereof, from any person or public or private entity having physical possession thereof.

Each definition given above applies within all other definitions above.

GENERAL INTERROGATORIES

G1 (a) Which contentions of Wells Eddleman do Applicants agree are now admitted in this proceeding, NRC Dockets 50-400/401 O.L.?

(b) for each such contention, provide for any answers to interrogatories by Wells Eddleman which Applicants have previously or presently received (except those suspended by Board order, if any), the following information:

(c) Please state the name, present or last known address, and present or last known employer of each person whom Applicants believe or know (1) has first-hand knowledge of the facts alleged in each such answer; or (2) upon whom Applicants relied (other than their attorneys) in making such answer.

(d) please identify all facts concerning which each such person identified in response to G1(c)(1) above has first-hand knowledge.

(e) please identify all facts and/or documents upon which each person identified in response to G1(c)(2) above relied in providing information to respond to the interrogatory, including the parts of such documents relied upon.

(f) Please identify any other document(s) used or relied upon by Applicants in responding to the interrogatory.

(g) Please state which specific fact each document, identified in response to G1(e) and G1(f) above, supports, in the opinion or belief of Applicants, or which Applicants allege such document supports.

(h) Please state specifically what information each person identified in response to G1(c)(1) or G1(c)(2) above provided to or for Applicants' affiant in answering the interrogatory. If any of this information is not documented, please identify it as "undocumented" in responding to this section of General Interrogatory G1.

G2.(a) Please state the name, present or last known address, title (if any), and present or last known employer, and economic interest (shareholder, bondholder, contractor, employee, etc.) if any (beyond expert or other witness fees) such person holds in Applicants or any of them, for each person you intend or expect to call as an expert witness or a witness in this proceeding, if such information has not previously been supplied, or has changed since such information was last supplied, to Wells Eddleman. This applies to Eddleman and Joint Contentions as admitted, or stipulated by Applicants.

(b). Please identify each contention regarding which each such person is expected to testify.

(c) Please state when you first contacted each such person with regard to the possibility of such person's testifying for Applicants, if you have contacted such person.

(d) Please state the subject matter, separately for each contention as to which each such person is expected to testify, which each such person is expected to testify to.

(e) Please identify all documents or parts thereof upon which each such witness is expected to, plans to, or will rely, in testifying or in preparing testimony.

G3(a) Please identify any other source(s) of information which Applicants have used to respond to any interrogatory identified under G1 above, stating for each such source the interrogatory to which it relates, and what information it provides, and identifying where in such source that information is to be found.

(b) Please identify any other source(s) of information not previously identified upon which any witness identified under G2 above, or other witness, has used in preparing testimony or exhibits, or expects to use in testimony or exhibits, identifying for each such source the witness who is expected to use it, and the part or part(s) of such source (if applicable) which are expected to be used, and, if not previously stated, the fact(s) or subject matter (or both) to which such source relates.

G4(a) please identify all documents, and which pages or sections thereof Applicants intend or expect to use in cross-examination of any witness I call in this hearing. For each such witness, please provide on a timely basis (ASAP near or during hearings) a list of all such documents, the subject matter Applicants believe they relate to, and make the document(s) available for inspection and copying as soon as possible after Applicants decide or form intent to use such document in cross-examination.

(b) please identify any undocumented information Applicants intend to use in cross-examination of each such witness for me.

G5 (a) for each contention Applicants state or admit is an admitted Eddleman contention under G1(a) above, or an admitted joint intervenor contention, please state whether Applicants have available to them experts, and information, on the subject matter of the contention.

(b) If the answer to (a) above is other than affirmative, state whether Applicants expect to be able to obtain expertise in the subject matter, and information on it, and if not, why not.

G-6(a) for each document identified in response to any interrogatory herein, or referenced in response to any interrogatory herein, please supply all the following information which has not already been supplied:

(i) date of the document

(ii) title or identification of document

(iii) all authors of the document, or the author

(iv) all qualifications (professional, technical) of each author of the document

(v) the specific parts, sections or pages, if any, upon of the document, which Applicants rely

(vi) the specific information each part, section or page identified in response to (v) above contains.

(vii) identify all documents used in preparing the document, to the extent known (and also to the extent not identified in the document itself)

(viii) state whether Applicants, or State of NC or any emergency planner possess a copy of the document

(ix) state all expert opinions contained in the document, upon which Applicants rely, or identify each such opinion.

(x) identify the contention(s) with respect to which Applicants rely upon (a) the expert opinions (b) the facts identified in the document

(xi) state whether Applicants now employ any author(s) of the document, identifying each such person for each document.

(xii) state whether Applicants have ever employed any author(s) of the document, identifying each such person for each document.

(xiii) identify all sources of data used in the document.
Answers to all the above may be tabulated or grouped for efficiency.

G-7(a) Please identify all documents which Applicants plan, expect or intend to offer as exhibits (other than for cross-examination) with respect to each Eddleman contention admitted in this proceeding which (i) is included in your current response to G1(a), or (ii) is the subject of interrogatories in this set; please state for which contention or contentions each exhibit will be or is expected to be offered.

(b) Please identify all documents which Applicants plan, expect or intend to use in cross-examination of any other parties' witnesses or joint intervenor witness in this proceeding, with respect to (i) Eddleman contentions identified under G-7(a)(i) (or G1-(a)) above, or any other Eddleman contention which is the subject of interrogatories in this set; (ii) each Joint contention now admitted in this proceeding; (iii) per our agreement of 4-8-83, each contention of each other party to this proceeding which is currently admitted. Please identify for each such document the witnesses, or witness, and all contentions with respect to whom (or which) that document is planned, expected, or intended to be offered or used.

(c) Please identify which of the documents identified in response to (b) above (i) will be offered into evidence by Applicants, and (ii) which of the same documents Applicants expect to offer into evidence or intend to offer as evidence or exhibits in this proceeding.

G-10(a) Where the above general interrogatories, and/or specific interrogatories below, or any of them, call for identification of documents, (i) and no documents are identified, is that the same as Applicants stating that there are no documents responsive to this general interrogatory, in each case where no documents are identified? (ii) and documents are identified, is that the same as Applicants stating that the identified

documents are the only ones presently known which are responsive to the interrogatories? (iii) If your answer to G-10(a)(ii) is other than affirmative, please state all reasons for your answer. (iv) If your answer to G-10(a)(i) above is other than affirmative, please state all reasons for your answer.

(b) Where any interrogatory, general or specific, herein, calls for factual information (i) and an opinion is stated in response, is that the expert opinion of any person(s) identified as having contributed information to that response? (ii) and facts are given or identified (or a fact is) in response, but no documents are identified, does that mean Applicants have no documents containing such fact(s)? (iii) If your answer to (i) above is affirmative, please state for each such response all qualifications of each expert upon whom Applicants rely for each such answer. The qualifications need be stated only once for each such person if they are clearly referenced in other answers. (iv) if your answer to (i) above is other than affirmative, please state which opinions, if any, given in response to interrogatories (general or specific) herein is the opinion of an expert, identify each expert whose opinion you used in response to each interrogatory, and state in full the qualifications of each such expert. (v) If your answer to (i) above is other than affirmative, please identify all opinions of non-experts used in your responses, and identify each non-expert whose opinion is included in each answer herein.

(vi) If your response to (ii) above is other than affirmative, please identify each document which contains a fact not previously documented in your response(s), stating what the fact is, and at what page, place, chapter or other specific part the document contains such fact.

G-11 For each answer to each interrogatory herein (or any subpart or part thereof), please identify each item of information in possession of Applicants (including facts, opinions of experts, and documents) which (a) contradicts the answer you made, (i) in whole (ii) in part (please identify each such part for each item of information identified); (b) casts doubt on your answer (i) in whole (ii) in part (please identify each such part for each item of information identified). (c) Please identify all documents not already identified in response to parts (a) and (b) above (and their subparts) which contains any item of information asked for in (a) or (b) above. Please identify for each such document what information item(s) it contains and what answer(s) each such item is related to.

G-12(a) In your previous answers where you have not identified documents, (i) have all relevant documents been produced in lieu of stating identification of each such document? (ii) do you rely on the entire document, since you have not identified parts or page numbers? (iii) if there are any particular parts or pages of each document produced, which you believe are responsive to an interrogatory or protion thereof, please identify each set of parts or pages in each document, together with the interrogatory or protion thereof (or interrogatories and/or portions thereof) to which it is responsive. (iv) where no documents are identified and identification of documents has been requested, are you saying no documents exist? Or that no such documents are in your possession? (b) In your present answers, are you actually identifying documents where identification of documents is requested? (c) If not, how are you going to provide identification of documents? Will that identification include statements of relevant pages or parts?

57-C-3-3(a) Is any consideration of temperature given in night-time notification of residents or transients within the EPZ (i) at all (ii) as regards turning off heating devices on cold nights, if sheltering is recommended (iii) as regards turning off air conditioners on warm or hot nights, if sheltering is recommended? (b) Have you (i) conducted any tests (ii) collected any information (iii) known any information, concerning the ability of each notification method you will use for Harris accidents at night, especially between 1 am and 6 am, to awaken persons within the EPZ? (c) If so, please identify all such information and all documents containing such information. (d) Does the emergency planning account for any delay in sleeping persons (asleep at the time of notification) receiving the information that a Harris accident is in progress? (e) If so, please explain all such sources of delay (e.g. delay due to awakening, delay due to sleepiness, grogginess or drowsiness, delay in preparing to evacuate, delay in travel due to tired or sleepy drivers, etc) and how each or any of them is taken into account in the planning for emergency conditions (nuclear accidents) at the Harris nuclear plant. (f) Please identify all documents concerning the matters inquired about in parts (a),(d),or (e) (or any subparts) above, which have not been previously identified, stating for each such document what specific interrogatory part(s) or subpart(s) it relates to.

57-C -3-4(a) Referring to your answer to 57-C-3-2, do any of the entitiems listed (including "other authorities") have any automatic telephone notification or dialing systems at all? (b) If so, please answer 57-C-3-2(b) with respect to the capabilities of each such system.
(c) Do you have any opinion as to whether persons awakened by sirens in the Harris EPZ might use the telephone (i) to ask authorities what is going on (ii) to notify friends or relatives or others of the accident (iii) for other reasons? (iv) which, if any, of your opinions expressed re the questions (i),(ii) or (iii) above, would change if the awakening occurs during normal sleeping hours, e.g. from 1 am to 6 am? Please detail how each such opinion would change if the awakening occurred during people's normal sleeping hours.
(d) Do you have any information concerning the response of persons to (i) siren (ii) telephone (iii) broadcast (iv) loudspeaker/sound truck (v) personal contact (e.g. door-knocking) notification of severe accidents where evacuation or sheltering may be necessary?
(e) Please identify all information you have concerning the matters asked about in (d) above, telling for each what documents if any contain the information, and what subpart(s) the information relates to.
(f) Is it your opinion that evacuation of the Harris EPZ could occur as rapidly during normal sleeping hours (e.g. between 1 am and 6 am) as it could during daytime hours, all weather or other conditions being equal? Please state all reasons and information supporting your opinion. (g) Is is your opinion that evacuation of the Harris EPZ could occur as rapidly during normal sleeping hours (1 am to 6 am) as it could under evening conditions, all weather or other conditions being equal? Please state all reasons and information supporting your opinion. (h) Is is your opinion that evacuation of the Harris EPZ would be more or less rapid during normal sleeping hours (1 am to 6 am) as it would be under (i) daytime conditions, similar weather (ii) evening conditions, up to about 10 pm, with similar weather? Please state all reasons and information supporting your opinion. Please identify all documents which contain information re answers to parts (f) (g) and (h) (including all sub-parts).

57-C-3-5(a) Is there any difference in rapidity of evacuation during normal sleeping hours (e.g. 1 am to 6 am) as compared to evacuation at other times? (b) please explain each such difference (c) are there differences in evacuation conditions during normal sleeping hours, and conditions for evacuation during other hours, that would tend to offset or cancel each other? (d) what are these differences, and how do they act to offset each other? (e) Please identify all documents concerning differences in (i) evacuation conditions (ii) rapidity of evacuation (iii) evacuation times, for normal sleeping hours compared to other times. (f) are there any differences in evacuation conditions (see (c) above, e.g.) between sleeping hours (1 am -6 am) and other hours which would affect or could affect evacuation times? (g) What are these differences and how does (or could) each affect evacuation times? (h) Is there any actual experience with night-time evacuations which indicates differences in evacuation times under sleeping hours conditions? (j) Is there any consideration of increased likelihood of fog or precipitation during normal sleeping hours (1 am to 6 am) in the emergency planning for the Harris nuclear plant? (k) If so, what consideration, and how does it affect evacuation time estimates? What amount of increase or decrease in the evacuation times due to these conditions is possible? Why? Why not more? Why not less?
(l) Does the State of NC, CP&L or any other responsible emergency preparedness agency intend to test (i) communications (ii) notification (iii) sheltering (iv) evacuation (v) other emergency response plan elements, during normal sleeping hours (1 am to 6 am or any time between these hours, i.e. between 1 am and 6 am)?
(m) If so, what tests will be done, by whom, and on about what dates (e.g. before fullscale plan test, during that test, before Jan.1, 1985, quarterly, once a year, etc)?

57-C-3-6(a) Does NUREG-0654, FEMA 43, or other applicable guidance (please identify all documents containing other applicable guidance) for the Harris offsite emergency plan require (i) both an alert signal and an informational or instructional message to the population on an area wide basis throughout the 10 mile EPZ, within 15 minutes? (ii) initial notification system assuring direct coverage of essentially 100% of the population within 5 miles of the site? (iii) special arrangements to assure 100% coverage within 45 minutes of the population who may not have received the initial notification within the entire plume exposure EPZ?
(b) How does the Harris offsite emergency plan notification procedure meet each notification requirement of FEMA 43 (Including (i), (ii) and (iii) of (a) above if applicable) during normal sleeping hours (e.g. 1 am to 6 am)? Please specify your answer in detail, describing the alerting systems used, the design report on each alerting means to be used, the ability to provide an informational or instructional message to persons who are asleep at the time of the alert/notification beginning; please specify all documents, opinions of experts, or other information you rely on in making your answer. Please answer separately for each requirement or criterion for notification in NUREG-0654 or FEMA 43,or other applicable guidance(as indicated in your answer to (a) above).

57-C-3-7(a) What, in your view, are the merits and /or negative aspects of the use of tone alert radios to notify sleeping persons of an accident at the Harris plant? (b) Isn't is true that FEMA 43

57-C-3-7(b) continued

section E.6.2.4 that tone alert radios are one of the methods of alerting not included in "special alerting methods"? (c) Have you made any investigation as to the cost, effectiveness, or other aspects of tone alert radios for the Harris EPZ? (d) Please provide details of any investigation re tone alert radios that you have made, either for the Harris EPZ, or otherwise, identifying all documents containing information about the scope, plan, authorization, method of inquiry, results, or information obtained or developed in such investigation. (e) Are there any other sources of information re tone alert radios which you are aware of? Please identify each such. (f) Do you consider tone alert radios to be an alternative to (i) siren notification (ii) loudspeaker notification (iii)automatic ringdown telephone notification, for notification of Harris plant emergencies and/or providing informational or instructional messages to persons within the Harris plume exposure EPZ, during normal sleeping hours, e.g. 1 am to 6 am? (g) Please give all reasons for your answer(s) to each subpart of (f) above.

57-C-3-8(a) Does FEMA encourage the use or development of special alerting methods such as automatic telephone dialers or switching equipment where it is cost effective? (b) Please provide all basis for your answer to (a), identifying all documents or expert opinions you used in making that answer. (c) Have you made any study of the cost-effectiveness of any special alerting methods for the Harris EPZ during normal sleeping hours (e.g. 1 am to 6 am)? (d) Please identify all documents concerning, or used in, or identified during, any such study as inquired about in part (c) above. (e) Have you made any study of simultaneous dialing systems, e.g. those mentioned in sectionE.6.2.4.4 of FEMA 43, for use in the Harris EPZ, for notification during normal sleeping hours or for notification or delivery of instructional or informational messages? (f) Please provide details of any such study as inquired about in part (e) above, including identification of all documents related to such study, particularly any about the capability of simultaneous-dialing or simultaneous-ringing telephone equipment. (g) Was the message-delivering capability of simultaneous-ringing or dialing telephone equipment considered in any of your studies? In which, and how? (h) What is your opinion concerning the usefulness of (i) simultaneous dialing (ii) automatic ringdown dialing telephone equipment for notification of persons within the Harris EPZ during normal sleeping hours? Please give all basis for your opinion, identifying all documents used in preparing or supporting your opinion. (j) (there is no part (i) since that is used for subparts, as (i),(ii)) What role did provisions for (i) calling back busy lines (ii) preventing subscriber overloading of the telephone system during use of telephone notification to Harris EPZ residents/transients play in your analysis or study of telephone notification within the Harris EPZ? (k) Would telephone system overloading by subscribers be less, more of, or about the same of a problem for telephone notification during normal sleeping hours?
(l) Have you made, or collected, any other studies or reports or inquiries concerning notification systems or methods for people (i) who are asleep at the time of notification (ii) whose whole households are asleep at the time of notification, for emergency planning/response purposes or other purposes? (m) Please describe in detail any studies/information asked about in (l) above.

57-C-3-9(a) Referring to your answer to 57-C-3-1(f), if not previously fully answered, does any documentation or records of any kind concerning the consideration of telephone notification of persons within the EPZ that was made during the Harris emergency planning process exist? (b) If so, what documentation? Please identify it fully; please fully identify any other records of this consideration which you know of. (c) If answer to (a) is "none" or an answer to that effect, or you believe you have fully answered (a) previously, please explain why no records of this consideration exist. (d) Do you remember anything about the consideration of telephone notification of persons within the EPZ that was made during the emergency planning process? (e) If so, what do you remember? (i) Do you remember what kinds of telephone notification (aa) methods (bb) systems, were considered? (ii) do you remember any reasons why telephone notification was rejected? (iii) do you remember whether night-time (normal sleeping hours) notification was part of the consideration of telephone notification for the Harris planning process (emergency response planning)? (iv) do you remember whether alternatives to telephone notification, e.g. tone alert radios, etc., were considered? Please explain what you remember, both in general, and for every subpart for which your answer is affirmative.

213-3(a) Refer to your answer to 213-1(d): Do you agree that the job titles or names of persons responsible for verifying (in the field) and/or receiving reports verifying (in the Emergency Operations Center) that persons on the Harris Lake have been notified of an accident at the Harris nuclear plant, should be part of the plan (off-site emergency response plan)? (b) Please fully explain all reasons for your answer to (a) and identify any documents or authorities you rely on in making that answer. (c) What is the job title of the person or persons responsible for receiving reports that notification of persons on or in the Harris Lake has been accomplished? (d) what is the job title of the person or persons responsible for notifying persons on or in the Harris lake of a nuclear accident at the Harris plant? If more than one job title is involved, please give all the titles, including those of back-up personnel. (e) Who is responsible for ordering the notification of persons on or in the Harris lake of an accident at the Harris nuclear plant? Please give name or job title.

213-4(a) What are the means for giving an instructional message or an informational message to persons on or in the Harris lake in the event of a nuclear accident at the Harris plant? (b) Please describe each such means in detail, explain why it was included (or will be included) in the emergency response plan, and identify all documents concerning these means, your authority or ability to use them, what personnel are required to operate these means, how many, where they work, who their backup personnel are, where the backup personnel work, how many people are required to operate each means, all backup means of notification for persons on/in the Harris lake, and the above information for each backup means of notification. (c) What is the content of the instructional message for persons on/in the Harris lake in the event sheltering is ordered? Does it provide for sheltering at or near the lake? If not, what does it provide? What will persons on/in the Harris lake be told to do, if sheltering is the overall response for the EPZ that is ordered?

57-C-10-5(a) Please refer to your supplemented answer to 57-C-10-3-d. Were any methods for assessing sheltering effectiveness for structures in the Harris EPZ used, which were NOT intended to provide emergency planners with a data base for a wartime nuclear emergency? Please identify each such method and its results for structures within the EPZ, and all documents concerning the method and/or its results for such structures or other structures.
(b) Does "wartime nuclear emergency" mean (i) Nuclear war? (ii) nuclear weapons attack? (iii) explosion of nuclear weapons? (iv) considtions of fallout after a nuclear explosion or explosions? (v) something else? -- please specify what it means.

57-C-10-6(a) Were any differences between (i) wartime nuclear emergency conditions (ii) nuclear weapons fallout conditions, and likely conditions for a serious accident at the Harris nuclear plant, considered in the sheltering effectiveness estimates made for structures in the Harris EPZ? (b) Please specify each such difference and how it was considered. Please identify all documents concerning the effect of each difference on the Protection Factor (PF) or sheltering effectiveness for structures or any specific structure(s) within the Harris EPZ.
(c) What account of infiltration of (i) radioactive gases (ii) radioactive particles, with incoming air, is taken in (aa) the sheltering effectiveness or PF estimates you now possess (bb) sheltering effectiveness or PF estimates for use in connection with a nuclear accident at the Harris plant? If there is no difference, or the estimates are the same, please say so.
(d) How long is the maximum sheltering time for a nuclear accident at Harris? (e) If you don't know a maximum sheltering time that might be required due to a nuclear accident at Harris, either (i) for the EPZ as a whole, (ii) for any part of the EPZ, or (iii) for any structure(s) or areas within the EPZ, please explain all reasons why you don't know. (f) What is the maximum sheltering time that has been considered (i) for the entire EPZ (ii) for any part(s) of the EPZ -- please specify which parts (iii) for any structure(s) or specific location within the EPZ -- please specify which structure(s) or specific locations.
(e) Do any PF estimates for structures within the Harris EPZ assume any sealing of air pathways (i) into the structure (ii) into sheltering areas within the structure? If so, please describe what sealing is assumed, what materials are needed to do this sealing, the availability of those materials at the structure, and the additional protection assumed or calculated or believed to result from such sealing.
(f) How long can occupants of any sealed area or structure (see (e) above) stay in shelter without exhausting their air supply? Have you made any calculations or estimates for any structures within the Harris EPZ?
(g) Do you know anything about the infiltration rates of (i) air (ii) particles, including particles of the size and characteristics of radioactive particles that might be released from Harris during a nuclear accident (iii) radioactive gases, into structures within the Harris EPZ or any such structure or structures? If so, how do such infiltration rates affect the radiation doses likely to be received by persons sheltering within those structures? Please detail all basis, documentary or otherwise, for your answers.

57-C-10-7(a) Where are "protection factor categories" as used in your assessment of PFs for structures within the EPZ, defined or explained? (b) Do you have any information about the specific PFs within each category, for structures within the Harris EPZ? (c) If so, what is that information? Please identify all documents containing such information.

57-C-10-8(a) Refer to your answer to 57-c-10-3-e. Is this all the information you have about typical housing within the Harris EPZ? (b) Does section 4.5.2 of the on-site emergency plan contain some seven lines (about 4 sentences) concerning housing within the Harris EPZ? (c) Why is this information in the on-site plan, but not in the offsite plan? (d) Are the PFs reported there based on any typical house shape or characteristics? (e) Please identify all documents that concern, or explain, how the PFs in section 4.5.2 of the Harris on-site emergency plan were calculated for typical housing. Please answer 57-c-10-3-e again insofar as your answer involves any definition of a "typical" structure or structures. (f) Please explain how the PFs of section 4.5.2. of the Harris on-site emergency plan were calculated, including base data used, calculation method(s) used, and all assumptions used or made in the calculation. Please also explain who did the calculation of these PFs and why it was done. (g) Do the PFs of Harris on-site plan section 4.5.2 take into account the effects of (i) radioactive gases (ii) radioactive particles, infiltrating into the houses/apartments within the Harris EPZ with normal air infiltration? If so, exactly how do they do so? Were any particular wind conditions used in estimating infiltration of radioactive gases or particles into structures typical within the Harris EPZ (houses, apartments or other structures)? If so, please specify the assumption.

57-C-10-9(a) How much space is considered to be space for one shelteree? Is this amount of space different for small children, for babies, for the ill or infirm? If so, how does it differ for different people? (b) How long are persons assumed to be able to remain in shelteree spaces within structures in the Harris EPZ? Is food provided in buildings within the Harris EPZ that are fallout shelters? Is that food in edible condition? Is there drinking water stored in or near high-PF areas of structures in the Harris EPZ? Has it been verified to be drinkable? If so, when? (most recent date or time if known) How long can shelterees be expected to stay in high-PF areas without (i) food (ii) water? What toilet facilities are provided in high-PF areas within structures in the Harris EPZ? Do you think people might leave high PF areas where toilet facilities are not available, e.g. briefly, to use the toilet?

57-c-10-10(a) How are ventilation systems, e.g. (i) heating (ii) cooling (iii) ventilation w/o heating or cooling, considered in assessing the PF of (aa) buildings (bb) houses (cc)apartments (dd) other structures, within the Harris EPZ? How long can such systems be turned off during sheltering? (b) How long can heating systems remain off for sheltering on cold nights (e.g. freezing temperatures, with winds of 10 mph or more) before adverse effects on shelterees (i) occur (ii) may jeopardize people's willingness to stay in shelter? (c) How long could cooling systems be turned off, with persons packed into shelteree spaces, on a hot summer day (e.g. temperatures in the 90's, high humidity) before

57-C-10-10-c, continued

adverse effects on shelterexes (i) occurs (ii) jeopardize people's willingness to remain in shelter? (d) How long can external ventilxation be turned off during sheltering before adverse effects on shelterees occur? (e) Please describe any adverse effects to shelterees that may result from turning off of heating, or cooling, or ventilmation systems during sheltering. Please also describe how (if at all) such effects are considered with respect to structures in which persons in the Harris EPZ might be asked to take shelter during a nuclear accident. Please identify all documents concerning (i) adverse effects of having heating, or cooling, or ventilixxation, systems turned off during sheltering (or, in general); (ii) consideration of heating, cooling or ventilation with respect to structures in the Harris EPZ in which people might shelter; (iii) degree of adverse effects under which people may leave shelter during a nuclear power plant accident, or the difference between such conditions and the conditions under which people may leave shelters during a military nuclear emergency or nuclear war or nuclear bomb fallout situation; (iv) degree of adverse effects which would likely cause people to leave a shelter during a nuclear power plant accident.

(f) does shelter effectiveness analysis always assume ventiliation is off?

57-c-10-11(a) How are construction techniques relating to the air tightness of walls, ceilings, floors, windows and doors considered in determining the sheltering effectiveness of structures within the Harris EPZ? (b) have any direct measurements of the air tightness of x construction of such structures been made, e.g. with blower doors or other air-infiltration measuring equipment? (c) Please identify all documents concerning the matters inquired about in (a) and/or (b) above, particularly including estimates or measurements of the specific air-xtightness of construction of structures within the Harris EPZ. (d) Why were food stores eliminated from consideration in the surveys of sheltering effectiveness of strucxtures within the Harris EPZ? (e) Are x food stores considered less safe shelters than other structures of similar construction?

57-c-10-12(a) Have any formal shelter location sketches been made for any structures within the Harris EPZ? (b) Please identify all documents containing shelter location sketxches, formal or informal, for any structures within the Harris EPZ. (c) Please identify all documents showing where the highest PFs are located in structures within the Harris EPZ. Please identify any document showing such areas within any such structure.

57-C-13-3(a) Is your answer to 57-C-13-1 complete, e.g. with respect to parts (g) and (h)? If not, please provide answerxs. (b) what (i) medical supplies (ii) toilet facilities, are xxxxxxx available in high-PF areas within hospitals or nursing homes within the Harris EPZ? (c) Why havent "best" PF determinations for hospitals or nursing homes within the Harris EPZ been made? Please give all reasons. (d) What PF determinations have been made, if any, for any (i) hospital (ii) nursing home, within the Harris EPZ?

57-C-13-4(a) Are there any hospitals, nursing homes, or other care facilities within the Harris EPZ besides those listed in Table 4-5 of the Evacuation Time Estimates (ETE) which the state or county emergency planners are aware of?
(b) Have any factors, such as increased sensitivity of ill or elderly persons to radiation exposure, been considered in PF determinations for hospitals or nursing homes or other care facilities within the Harris EPZ?

30-3(a) With respect to your answer to 30-2(d), are there any places in the Harris emergency response (off-site) plan where specific quantities of KI or other radioprotective drugs are mentioned?
(b) are you aware of any reports,or recent declarations of policy or resolutions of health-profession associations, which address the desirable availability of KI or other radioprotective drugs during radiological emergencies? Please identify all documents containing or reporting on such reports, resolutions or policies.
(c) How, if at all, do the reports, declarations or policies you identify in response to (b) above (or that you were asked to identify in (b) above), affect your answers to 30-2(a) and 30-1 subparts (b) thru (i)?

30-4(a) Have you made any evaluation of the Harris Emergency Response Plan's plans for distribution of KI, as far as its compliance with NUREG-0654 or other applicable guidance is concerned? (b) Please identify all documents relating to such evaluation(s), the applicable guidance, and the results of each such investigation. (b)(c) Do you plan to make any such investigation? If so, when? When do you expect to complete this investigation?

30-5(a) Are there any applicable FEMA or NRC guides for any of the items inquired about in 30-1(b) thru (i)? If so, please specify the guidance for each item and the document or documents which identifies that guidance. Please identify all documents and page references which contain each such item of guidance.

30-6(a) Does the State of NC maintain no reserve of KI at any place for use during nuclear plant accidents?
(b) What provisions for KI use are established for (i) the Brunswick nuclear plant (ii) the McGuire nuclear plant, and how do these provisions differ, if at all, from those for KI use in emergency conditions at the Harris plant?
(c) Please identify all documents concerning matters inquired about in (a) or (b) above. Please tell for each the matter(s) it relates to.

PRODUCTION OF DOCUMENTS

Wells Eddleman hereby requests that the original or best copy of each document identified in response to interrogatories above or below be produced for inspection and copying at a mutually agreeable time and place.

additional interrogatories to Applicants and State of NC and County emergency planners, re contentions 215 and 224:

224-3(a) Were the analyses in ER section 2.3.1 (or FSAR sections 2.3.1 or 2.3.2)made specifically for adverse weather in the Harris EPZ? (b) Which of the items in your response to 224-1-b(aa) thru (hh) were made for the Harris EPZ? (c) What information do you possess that indicates that the FSAR adverse weather frequencies (i) are (ii) may not be (iii) are not representative of the frequencies of such weather in the Harris EPZ? Please identify all documents and all reasons concerning your answers to (i),(ii) or (iii) or underlying such answers. (d) Does the State or the County emergency planners possess any information on the frequency of adverse weather conditions in the Harris EPZ (i) different from (ii) in addition to, that in the Harris FSAR and ER as shown in the responses to interrogatory 224-1(a),(b) and (c)? (e) If so, please identify all information, and all documents containing information, responsive to (d)(i) or (d)(ii) above.

224-4(a) Is it true (compare your answers to 224-2) that the Harris evacuation time estimates only consider adverse weather with respect to heavy rains? (b) What other adverse weather scenarios were considered, when heavy rains was selected as the adverse weather scenario for the evacuation time estimates (ETEs)? Please identify all documents concerning these scenarios, who prepared them, how the selection was made, who made it, and why.
(c) Who were the state, and the local, emergency preparedness officials who had discussions on which adverse weather scenario(s) to use in the Harris ETE? (d) What does each such official recall concerning those discussions? (e) What does each CP&L or HMM participant recall concerning those discussions? (Your answers to (d) and (e) should include, if known, the date(s), length of time, and nature of the discussions, the information reviewed or referenced in the discussions, what positions if any were taken by the persons involved in the discussions, and any documents concerning such discussions should be identified, be it notes, handwritten notes, minutes, memoranda, tape recordings, or other records of any kind).

224-5(a) Is it possible, in your view, that evacuation times under adverse weather conditions other than heavy rain could be (i) greater (ii) lesser, than those for the heavy rain scenario?
(b) Please identify all adverse weather scenarios for which you believe the Harris evacuation times would be (i) greater (ii) lesser (iii) about the same as (give range of uncertainty, e.g. within 5 minutes), as the evacuation times estimates for heavy rains.
(c) Please identify all information you possess concerning (i) roadway capacity (ii) travel speeds (iii) accident frequency (iv) weather-related complications, due to adverse weather conditions including (aa) [illegible] thru (hh) of interrogatory 224-1(b). Note that item (ee) of that list is "heavy rain" as used in the ETE.
(d) Please identify any information you have concerning the effect of fog, ice, snow, rain, heavy rain, hail, tornados, freezing rain, ice storms, or other adverse weather on (i) visibility (ii) travel speeds (iii) ability of people to control vehicles or avoid accidents, or under conditions such as documented for the Harris EPZ as having occurred or being possible (e.g. as documented in the FSAR or ER), particularly on winding, two lane roads with slopes and/or curves like those in the Harris EPZ. Please identify all documents containing such information, and all documents re this in possession,e.g. of the state Dept of Transportation, Highway Patrol, etc. also.

215-10(a) Do the State, or County emergency planners, have or have access to any information concerning the numbers of persons (or percent of population) in the Harris EPZ that is at home at various times of the day or year (i) with transportation (ii) without transportation (iii) without regard to whether they have transportation, just that they are home, ?
(b) Does the State, or county emergency planning personnel, have any plans to analyze either the questions asked in 215-10(a) above, or that asked in 215-2(a)?

215-11(a) In concurring with the evacuation time estimates made for CP&L by HMM associates, what did the state and county emergency planners do to analyze (i) the accuracy (ii) the degree of conservatism, of those estimates? Please answer specifically what you did to review those time estimates and exactly how you determined that you concurred with them. If you do not now concur with the estimates, please give all reasons for your non-concurrence.
(b) Have you made any analysis of how accurate the one-family-per-vehicle assumption is for the Harris EPZ (i) under any conditions (ii) under the specific condition that people are asked to help evacuate persons without transportation (iii) at night, e.g. during normal sleeping hours (iv) in conditions of snow, ice, or ice storms or freezing rain? Please identify all documents concerning each such analysis and succinctly state your analysis.

215-12(a) Is all the documentation concerning the assumptions of the ETE re (i) vehicle occupancy (ii) anticipated evacuation characteristics (compare your answer to 215-3(c)) fully referenced or documented in the ETE report by HMM associates? For any that are not, please give full references and identify all documents in which these assumptions are documented. (b) Are you aware of any information disputing the validity of these assumptions, or any of them? Please identify all documents you are aware of in which any of these assumptions (please specify which) is disputed or questioned. ("these assumptions" are the ones in the HMM ETE report concerning vehicle occupancy and evacuation characteristics associated with each invididual population category) (c) what "federal guidance" do you say is consistent with your one vehicle per household assumption? (d) are you saying the federal guidance requires such an assumption? If so, please identify what guidance you maintain requires it. (e) Are other assumptions about the numbers of vehicles per evacuating household also consistent, in your view, with federal guidance applicable to ETEs?

215-13 (refer to your answers to 215-4): (a) Do you have any information or studies which support your assumptions concerning evacuation behavior of persons as stated in your answer to 215-4(a)? Please identify all documents containing such information or studies.
(b) Is there any inconsistency between your answer to 215-4(a) and your response to 215-3(c) appearing immediately above the answer to 215-4(a), which refers to "empirical data on past evacuations, indicating the tendency of family units to unite and evacuate as a unit", particularly as regards evacuation from recreational facilities, workplaces, or special facilities? Please explain how or why these answers are (i) consistent (ii) inconsistent. please also identify all documents concerning empirical data from past evacuations, specifying which were evacuations from around nuclear plants due to nuclear accidents.

215-13 continued
(c) Please detail the review of the assumptions in responses to interrogatories of the past (215-1 thru 9, all parts and subparts) which were made (or was made) by state and local emergency preparedness officials (see response to 215-4(a)). Specifically, which officials reviewed these assumptions, when did they do it, are there any documents related to their review (including notes or recordings, etc) (please identify all such documentation), and what was the specific result of their review as to each assumption, most particularly re (i) one vehicle per household (ii) evacuation directly from work, school, care facilities, and workplaces (iii) evacuation from recreation facilities (e.g. would these people go home to check their families first if their families live in the EPZ) (iv) vehicle occupancy rates, (v) number of persons to be evacuated who do not own cars (vi) furnishing of rides by neighbors during an evacuation (vii) furnishing of rides to persons without transportation due to coordinated efforts by state and county emergency preparedness officials;, (viii) one vehicle per household for the non-auto-owning population; (ix) that vehicle departures from households would be distributed over a two-hour period.
(d) Was any evaluation made by state or county emergency preparedness officials of CP&L's "demographic data report"s? If so, who made it, when, and with what results? Did the State rely on these reports in evacuation planning? Have the reports been checked by anyone? If so, with what results? Did the counties rely on these reports in evacuation planning?

215-14(a) Do you have any vehicle occupancy rate data for evacuations (i) that actually occurred (ii) that were estimated for other nuclear plants in NC? Please identify all documents containing such data.
(b) Do you have any data on how many vehicles are registered to each household in the Harris EPZ? On the capacity of vehicles registered in the EPZ (e.g. pikcup trucks, 4-person, 5-person or 6-person cars)? Please identify all documents containing such data. (c) Do you have any data on the number of persons in households w/o transportation within the Harris EPZ? Please identify all documents containing such data. (d) Do you have any documentation of the basis for previously developed evacuation plan standards' estimates of likelihood that evacuees will use the "best available" automobile when evacuating? Do you have any information on use of more than one vehicle by evacuating families or groups? Please identify all documents containing such information. (e) what is your exact basis for believing that "more than sufficient capacity will be available to accomodate persons in households without transportation? Please identify all documents, analysis or calculations you believe show this is true.
(f) How long will it take to get the non-auto-owning population into vehicles for evacuation? Please identify all documents and information concerning how long this would take. (g) Precisely who "accepts" the traffic flow relationships used in NETVAC? Has NETVAC been independently evaluated re these relationships? Please identify all documents concerning these matters. (h) Are the traffic activities on each roadway segment, for each reporting interval, available in the ETEs? If not, please identify all documents containing this information. (j)Please explain how the numbers of persons beginning to evacuate in each time interval is evaluated in NETVAC, or how it is determined. (k) Please explain whether any counterflow traffic (e.g. families uniting) is assumed in the Harris ETEs? If not, why not? (l) what is the sensitivity of the Harris ETEs to (i) preparation times (ii) mobilization times? Please identify any documents re these matters.

CP&L DOCUMENT PRODUCTION TO INTERVENORS
(HARRIS OPERATING LICENSE)

Document Production No. 8 Intervenor Eddleman Date 7-13-83

Documents to be Copied

Document No	Title	Pages
PIPE HANGER WDR LOG BOOK	Vol 08 CD'S CE'S & CF'S	AS clipped + all pink sheets not clipped
ditto ALL VOLUMES ☆ ☆ → 1 thru 9 → 37 at least	ALL PINK SHEETS (~~ma...~~ ??)	please copy DARK
Vol 36		as clipped + pink
Vol 37		(all pink) all
Vol 31		ALL
Vol 30		ALL
Vol 29		ALL
Vol 27		~~ALL~~ as clipped + pink
Vol 01	(~~test set~~ down)	as clipped + pink
Vol 6		ALL
Vol 5		ALL
Vol 4		ALL
Vol 35		as clipped + PINK
Vol 34		ALL
Vol 9	CH'S	Clipped + PINK
Vol 021	(21) HUS IA'S LT'S + Mi's	ALL
Vol 12	CS'S 1100-3999	ALL
Vol 20	FP'S & FW'S	ALL
This PAGE		

5

CP&L DOCUMENT PRODUCTION TO INTERVENORS
(HARRIS OPERATING LICENSE)

Document Production No. 8 Intervenor Eddleman Date 7/13/83

Documents to be Copied

Document No.	Title	Pages
WDR 5		
Vol 03		
BR-H	1600-2399	as clipped + PINK
Vol 02	BRH 001-1599	as clipped + PINK
		+ → ALL from 500 Back
Vol 16		ALL
Vol 25		as clipped + PINK

CP&L DOCUMENT PRODUCTION TO INTERVENORS
(HARRIS OPERATING LICENSE)

Document Production No. 8 Intervenor Eddleman Date 7/12/83

Documents to be Copied

Document No.	Title	Pages
re 41-7	Exh 2, T4C training	all, of 1 document
	Welder training class	binder clipped
re 41-11	2/23/83, 3/24/82, 4/28/82	all, 3 documents
	NRC, CP&L Reports	stapled
re 41-16	ASME Procedure CQA-1	all, 1 document stapled
re 41-31(e)	Permanent Waivers	SOME ARE EXTRA LIGHT - Please Copy Dk
	Field Change Requests	all - 1 stack
	Design Change Nothfs	IN rubberband
B&E	PRINTS re 65-4(a)	- all - est cost $1/sh
41-36	3 notebooks	
	Rework packages	all
Pipe Hanger Weld Log Book	#22 MS's + NI's	all
#18	EAs ES's FDs	as clipped
#19	FO's & FP's	all From 1st clips to end
#13	CT's & CW's	as clipped + from big clip to end (last 10 pg)
#07	CC/H	all
THIS PAGE		

CP&L DOCUMENT PRODUCTION TO INTERVENORS
(HARRIS OPERATING LICENSE)

Document Production No. 14 Intervenor Eddleman Date 11/28/83

Contention (41) - Nothing on 65 produced

Documents to be Copied

Document No.	Title	Pages
274 - 327 inclusive	~~41~~ 41-3 re insp reports	ALL of ALL
328 - 475 inclusive	41-5(j)-(k) Field change Pipe Hangers → note - some are	Note a few are ALL printed on back Lousy copies; please try to do on high contrast
476 - 493 inclusive	41-5(i)-(k) Permanent Waivers & field change requests - HVAC & Conduit hangers	ALL of all — please try to get copies readable on fuzzy pgs
494 - 512 inclusive	Welder Training & Procedures	ALL of all
THIS PAGE		

WE Com from SP&T 7/12/83

AA	Access Control Area Ventilation
AC	RAB 1 and 2 Common Building
ACD	Acid Caustic Drain
ACE	Auxiliary Condensate
AD	Auxiliary Dam and Spillway
AE	Air Evacuation
AEP	Auxiliary Electric Power
AF	Auxiliary Feedwater
ALD	Automatic Load Dispatch
AR	Airborne Radioactivity Removal
ARS	Auxiliary Reservoir Seperating Dike
ARM	Area Radiation Monitoring
AS	Auxiliary Steam
AV	Auxiliary Building Ventilation (General)
BC	Boron Concentration Measurement
BD	Blowdown
BR	Boron Recycle
BT	Boron Thermal Regeneration
CA	Caustic and Acid
CB	Containment Building
CBPV	Containment Building Pressure & Vacuum Relief
CC	Component Cooling
CD	CRDM Cooling
CE	Condensate
CF	Chemical Feed
CG	Carbon Dioxide
CH	Chilled Water Supply (HVAC)
CI	Containment Isolation

CL	Chlorination
CM	Containment Building Hydrogen Control (Purge and Make-up)
CP	Containment Building Purge
CO	Compressed Air
CR	Control Rod Drive Mechanisms
CS	Chemical and Volume Control
CSS	Chemical Sampling
CT	Containment Spray
CV	Containment Building Ventilation
CW	Circulating Water
CX	Chilled Water Return (HVAC)
CZ	Control Room Ventilation
DG	Diesel Generator Building
DV	Diesel Generator Building Ventilation
DR	Drain Line (HVAC)
DW	Demineralized Water
EA	Emergency Air
ECC	Emergency Core Cooling
ED	Equipment Drain
EE	Emergency Electric Power
ES	Extraction Steam
ESI	Engineered Safety Feature Instrumentation
FBST	Filter Backwash Storage and Transfer System
FD	Floor Drain
FHS	Fuel Handling System
FH	Fuel Handling Building
FM	Primary Filter Make-Up Water
FO	Fuel Oil
FP	Fire Protection
FV	Fuel Handling Building Ventilation
FW	Feed Water
GFF	Gross Failed Fuel Detection

dC	Yard Work
HD	Heater Drain
HH	Hydrogen Recombiner
HV	Heater Vent
HZ	Hydrogen
IA	Instrument Air
ICI	In-Core Instrumentation
IS	ESW Intake Structure
LC	ESW Screen and Drainage Structure
LO	Lube Oil
LR	Low Level Release System (Main Dam)
LT	Leak Rate Testing
MD	Miscellaneous Drains
MDS	Main Dam Spillway
MEP	Main Electric Power
MG	Main Generator
MP	Make-Up Plant Water
MS	Main Steam
MT	Main Turbine
MW	Make-Up Water
NI	Nitrogen
NN	Nuclear Instrumentation
OC	Diesel Fuel Storage Tank Building
OX	Oxygen
PIC	Process Instrumentation Control
PM	Primary Make-Up Water
PP	Penetration Pressurization
PRM	Process Radiation Monitoring
PW	Potable Water
RA	Reactor Auxiliary Building
RC	Reactor Coolant
RFD	Radioactive Floor Drain System
RFI	Reactor Fuel and Internals

RH	Residual Heat Removal
RP	Reactor Support and Primary Shield Cooling
RPC	Reactor Plant Control
RPT	Reactor Protective
RT	Resin Transfer
RV	Reactor Vent
RW	Refueling Water
SA	Service Air
SC	Screen Wash
SF	Spent Fuel Pool Cooling and Cleanup
SFP	Spent Fuel Pool
SG	Steam Generator
SI	Safety Injection
SP	Sampling (Nuclear) Radiation Monitoring
SRCT	Spent Resin & Concentrates Storage & Treatment System
SW	Service Water
TA	Turbine Accessories
TB	Cooling Tower Blowdown
TK	Tank Building
TC	Turbine Components
TG	Turbine Generator Building
TV	Turbine Building Ventilation
TW	Treated Water
VAC	AC Distribution
VDC	DC Distribution
VL	Valve Leakoff
WC	WPB Cooling Water
WG	Gaseous Waste Processing
WL	Liquid Waste Processing
WN	Waste Neutralization
WP	Waste Processing Building
WS	Solid Waste Processing

Notebook 05

EDDLEMAN 41

HARRIS WELD DATA

QA-34 REV.3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

RFT. # 1-4080.001

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 2	CC-H-105	A2-236-1 CC-H-105	1A4	N/A
DISCIPLINE ENG. B. Kendrick	DATE 9-15-82	WELDING ENG./~~FOREMAN~~ Barbara Morris		DATE 9/16/82		8. WELD ML. TY. E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ N/A — DATE N/A
2. WELDER(S) QUALIFICATION A ☑ R ☐ — 3. MAT'L STATUS A ☑ R ☐ — NCR/DDR* N/A — QA/QC INSPECTION George Carpenter — DATE 5/19/83

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT (H / TEMP.)	FITUP (H A R)	ROOT NDE VT (H A R)	ROOT NDE MT/PT (H A R)	FINAL NDE VT (H A R)	FINAL NDE MT/PT	RT	UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
All Field Welds *KAWI 24 3/D	ALT Weld DGL SB26	—				√ √						ALT	12/3/82	
All Shop Welds *KAWI 24 3/D	Shop	—				— —						ALT	12/3/82	
LATE PHASE 1 COMPLETE George Carpenter 12/14/82														
Top Pc 1 to E+W Pc 2 3/D	SJ-16	—				√						DMB	1-31-83	N. weld W. Pc 1 to Pc 2 - Hole; N weld Pc 1 to E Pc 2 - AS on Bottom; S weld Pc 1 to E Pc 2 - AS on Bottom
N. side E. weld Shim Plate to Bottom Pc 1 3/D	SJ-16	—				√						DMB	1-31-83	E. weld exceeds 1¼" in length; U.C. on Top Toe; Melt Through on E. End of Welded Plate
N. side West weld Shim plate to Bottom Pc 1 3/D	SJ-16	—				√						DMB	1-31-83	W. weld exceed 1¼" in length; U.C. + A.S.
S. side E. weld Shim Plate to Bottom Pc 1 3/D	SJ-16	—				√						DMB	1-31-83	E. weld exceed 1¼" in length; M.T. on E. End of Welded Plate DMB 1-31-83
S. side W. weld Shim Plate to Bottom Pc 1 3/D	SJ-16	—				√						DMB	1-31-83	W. weld exceeds 1¼" in length; M.T. on W. End of Welded Plate
All other field welds 3/D	SJ-16	—				√						DMB	1-31-83	
Shim plate to bottom Pc 3D	* ES1 1A4 1 SJ16 Rev	—				√ √ JMM 2/21/83						JMM	2/21/83	welds are 2" long max is 1¼" JMM 2/21/83
Top Pc 1 to west Pc 2 3D	* ES1, SJ16 1A4 Rev 3	—				√						JMM	2/21/83	~~Base metal reduction~~ mechanical undercut
Top Pc 1 to East Pc 2 3D	* ES1, SJ16 1A4 Rev	—				√						JMM	2/21/83	~~Base metal Reduction~~ mechanical undercut JMM 2/21/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP (INITIALS) 9-17-82 (DATE)

REMARKS: * Per Rev. WDR Cff 12-2-82
* Mat'l Status Acc. DMB 12-8-82
1A4 R. 3 - SJ-16 is Qualified DMB 1-31-83
* Welders Quals OK JMM 2/21/83

George Carpenter 5/19/83
QA/QC SPECIALIST / DESIGNEE — DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA—34A REV.3

SEISMIC I WELD DATA REPORT
CONTINUATION SHEET

	1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID
I	1	RAB	236	ZONE 2	A-2-236-1 CC-H-105

	JOINT ID. OR DESCRIPTION & QTY. OF WELDS	WELDER SYMBOL(S)	PRE-HEAT (H / TEMP.)	FIT-UP (H A R)	ROOT NDE VT (H A R)	ROOT NDE MT/PT (H A R)	FINAL NDE VT (H A R)	FINAL NDE MT/PT (H A R)	FINAL NDE RT (H A R)	FINAL NDE UT (H A R)	FINAL NDE VAC BOX (H A R)	PWHT (H A R)	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY REPAIR OR REWORK NCR/DDR, ETC.
	Shim plate to bottom Pc	1A4R4 + 3/D E53					✓						DJ	3/23/83	
	All Repair of field weld	1A4R4 + 3/D E53					✓						DJ	3/23/83	Repair as mark.
IV	Top Pc. 1 To Pcs. 2 3/D	SJ-16			NA		✓✓			NA			CW	5-6 83	Per WD-645
	Shim To Bot. Pc. 1 3/D	E-58			NA		✓✓			NA			CW	5-6 83	WPS 1A4 Rev. 5

PHASE 2 COMPLETE George Carpenter 5/9/83

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure A-2-236-1-CC-H Turnover No. NA

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-2-236-1-CC-H-105	3/D	NA	NA	IAIR 5	A75	NA		✓			NA			NA			NA			NA		NA	SR [signature]	11/29/8[illegible]

Remarks: OVERSIZE weld (FCR 286)
Missing Weld (RR-52)
[illegible]

H - Hold
A - Accept
R - Reject

N/A [illegible] N/A
[illegible] Date

A-34
EV. 2
2/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

CAC 5/19/83

I — SCIPLINE ENGINEER OR FOREMAN

1. UNIT	2. BUILDING	3. ELEV	4. LOCATION	5. COMPONENT / HANGER ID
1	RAB	236	ZONE 2	CC-H-105

6. DRAWING(S), REV. & SHEET NO'S	7. WELD PROCEDURE (S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOL(S)
A-2-236-1-CC-H-105 3/D	AWIR 4	E 7018	D61

DISCIPLINE ENGINEER	DATE	WELDING ENGR / FOREMAN	DATE
Wallace P. Fowler	2-18-81	[signature]	2-24-81

II — FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN: N/A — DATE: N/A

III — WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS — ACCEPT ☑ / REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION — ACCEPT ☑ / REJECT ☐
3. MATERIAL STATUS — ACCEPT ☑ / HOLD ☐ — NCR NO. N/A — INSP. INITIALS [signature] — DATE 12/12/81

IV — WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT NA	PREHEAT H	PREHEAT T	FINAL LAYER VT A	VT R	MT/PT NA	MT/PT A	MT/PT R	RT NA	RT A	RT R	UT NA	UT A	UT R	PWHT H	PWHT A	PWHT R	VAC BOX NA	VAC BOX A	VAC BOX R	INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
RK 52	✓			✓		✓			✓			✓			N/A			✓			[signature]		4/13/81
all welds 3/D				✓																	QC		12/12/81
RC 1 TOP 3/D				✓																	QC		12/12/81

V — WELDING QA — FIT-UP INSPECTION — FP WELDS MANDATORY — FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

VI — WELDING QA — FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: JS (INITIALS) 2-24-81 (DATE)

LEGEND:
- A = ACCEPT
- H = HOLDPOINT
- R = REJECT
- FP = FULL PENETRATION
- NA = NOT APPLICABLE
- T = TEMPERATURE (> °F)

N/A — QA SPECIALIST — N/A — DATE

COPY 9

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1A	RAB 1A	236' N/A	ZONE 3 N/A	CC-H-499 N/A	CC-H-499	1A4R2	N/A
DISCIPLINE ENG.	**DATE**	**WELDING ENG./FOREMAN**	**DATE**		A3-236-1	8. WELD ML. TY. E7018	
N. Kalyn	1/28/82	Barbara Marcus	1/				

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 1/30/82.

2. WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ | NCR/DDR* N/A | QA/QC INSPECTION [signature] | DATE 1/30/82.

IV

7 JOINT I.D. OR DESCRIP. & QTY. OF WELDS		WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H A R	ROOT NDE VT H A R	ROOT NDE MT/PT H A R	FINAL NDE VT H A R	FINAL NDE MT/PT H A R	FINAL NDE RT H A R	FINAL NDE UT H A R	FINAL NDE VAC BOX H A R	PWHT H A R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
all welds	351	SI 3						✓ ✓						[signature]	1/30/82	
③ to Embed	351	SI 3						✓						[signature]	1/30/82	overlap FCR-286
⑤ to ⑪	351	SI 3						✓						[signature]	1/30/82	Extra weld FCR-286

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [signature] INITIALS 1/29/82 DATE

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQL-19)

Unit 1 System/Structure 236-CC-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-3-236-1-CC-H-499	3/0	N/A	N/A	1AIR4	SH29	N/A		✓		N/A			N/A			N/A			N/A			N/A	[illegible]	[illegible]

Remarks: ECR-256 Extra Weld(s)

H - Hold
A - Accept
R - Reject

[illegible] Date

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-CC-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-3-236-1-CC-H-474	2/C	N/A	N/A	1A1R5	SH36	N/A		✓			N/A			N/A			N/A			N/A		N/A	[signature]	12/23/80
A-3-236-1 CC-H-474	3/D				*Could not locate stencil			✓															[signature]	6/5/82

Remarks: *Possibly covered with paint - embed has been painted D.L.R. 6/5/82

H - Hold
A - Accept
R - Reject

QA Specialist ______ Date ______

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.*	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAC	236	zone 5	CC-H-4162	A-S-236-1; CC-H-4162	1A4; 1A3	Partial Pen. weld (yellow) Full Pen. weld (Green) 1A3 (ROOT) 1A3 or 1A4 (weld out)
DISCIPLINE ENG./DES.	DATE	WELDING ENG./~~FOREMAN~~	DATE			8. WELD ML. TY.	
[illegible]	[illegible]	Barbara Morris	10/13/82			E7018	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: | INITIALS: [illegible] | DATE: [illegible]

II

MAT'L STATUS A ☐ R ☐ | NCR / DDR** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	PREHEAT TEMP	2. FIT UP	3. ROOT NDE VT	4. ROOT NDE MT/PT	5. FINAL NDE VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
~~Pc. 1 (SHARK)~~		[illegible]			✓	150												
Pc. 3 TO EMBED PL (E)							✓	✓	✓	✓								
Pc. 3 To EMBED PL (W)							✓	✓	✓	✓								
Clip to EMB	2C	**	**							✓ ✓						[illegible]	12/[illegible]	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

QA/QC SPECIALIST/DESIGNEE ______ DATE ______

* USE QA-34A TO LIST ADDITIONAL WE[LDS]

REMARKS: * ~~PREHEAT Pc. 1 (SHARK) [illegible]~~
** [illegible] 12-2-82
[illegible]

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 5	CC-H-463	A-5-236-1	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~ B.M.	DATE	6. DRAWINGS & SHT.#	8. WELD ML. TY.
[signature]	1-10-83	Marty J. Miller	1/12/83	CC-H-463	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS [initials] DATE: 1-13-83

II

MAT'L STATUS 1-26-83 A ☒ R ☐ NCR / DDR** CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. * PREHEAT °F MIN. H	TEMP	2. FITUP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC
~~Pc.1 (SHANK)~~					✓	150				✓								
Clip to EMB	2C	1A1* A4	SIP PY	ALT 1-20-83						✓✓						ALT	1/30/83	
LATE PHASE 1 COMPLETE																[signature]		APR 16 1983
Pc-1 Shank					✓	150				✓								

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * PREHEAT: Pc. 1 (SHANK) when welding strut adjustment.
* [illegible] WDR ALT 2-2-83

______________________ QA/QC SPECIALIST / DESIGNEE

__________ DATE

* USE QA-34A TO LIST. ADDITIONAL W[illegible]S

REINSPEC[illegible]ION

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT / HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	QAB	236	ZONE 3	CC-H-445	AB-236-1 CC-H-445	1A4	N/A

DISCIPLINE ENG. / DEG.	DATE	WELDING ENG. / ~~FOREMAN~~	DATE	8. WELD ML. TY.
B. Kendrick	10/11/82	Barbara Morris	10/12/82	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C DATE: 10/19/82

II

MAT'L STATUS A ☐ R ☐ NCR / DDR#: CLOSED ☐ QC INSPECTOR DATE:

III

# JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) W/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	3. ROOT NDE VT H A R	4. ROOT NDE MT/PT H A R	5. FINAL NDE VT H A R	6. FINAL NDE MT/PT H A R	7. FINAL NDE RT H A R	8. FINAL NDE UT H A R	9. FINAL NDE VAC BOX H A R	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT#, ETC
PC 13 to Embed N+S	352	*1A4 R/2	D69	N/A					N/A	✓	N/A				N/A	GAS	11/29/82	Welds inaccessible Accepted per AFI QCW-013
All other Field welds	352	1A4 R/2	D69	N/A					N/A	✓	N/A				N/A	GAS	11/29/82	
PC 13 to Embed (west)	352	1A4 R/2	D69	N/A					N/A		N/A				N/A	GAS	11/29/82	Weld MISSING
PC 13 to Embed (west)	352	1A4 R/3	D51	N/A					N/A	✓	N/A				N/A	GAS	11/29/82	
All shop welds	352	N/A							N/A	✓	N/A				N/A	GAS	11/29/82	

LATE PHASE 1 COMPLETE Grace Duquette 11/30/82

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * From previous WDR GAS 4/29/82
MATERIAL STATUS ACC GAC 11/30/82

_____ QA/QC SPECIALIST / DESIGNEE _____ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
I	RAB	236	ZONE 3	CC-H-445	CC-H-445	1A4R2	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	DRAWINGS	8. WELD ML. TY.
D Gibson	11-19-81	Barbara Morris	11/19/81	A-3-236-1	E 7018

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 3/10/82
2. WELDER(S) QUALIFICATION A ☑ R ☐ 3. MAT'L STATUS A ☑ R ☐ NCR/DDR # N/A QA/QC INSPECTION JR DATE 3/10/82

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H/A/R	ROOT NDE VT H/A/R	ROOT NDE MT/PT H/A/R	FINAL NDE VT H/A/R	FINAL NDE MT/PT H/A/R	FINAL NDE RT H/A/R	FINAL NDE UT H/A/R	VAC BOX H/A/R	PWHT H/A/R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc13 to embed (south	D69						H ✓ A ✓						PT	1/20/82	undersize
All other welds 3/10	D69						A ✓						PT	1/23/82	
Pc (13) to Embed 351 South *	D69						A ✓						JR	3/10/82	above problem corrected

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JR 11/19/81
INITIALS DATE

REMARKS: * B&W Rev. Changed size to make weld acceptable 3/10/82 JR

________________________ ____________
QA/QC SPECIALIST / DESIGNEE DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	zone 3	CC-H-397	A3-236-1 CC-H-397	*** 1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD ML. TY.
C. Butterton	5-28-82	Barbara Morris	9/29/82	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS BP DATE: 10-4-82

II MAT'L STATUS A ☐* R ☐ NCR/DDR** CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. K	TEMP	2. FIT UP	ROOT NDE 3. VT	4. MT/PT	FINAL NDE 5. VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC
Pc1 to Pc2 top	3/D	***	SB73 D69	DJJ 4 Nov 82	—					✓ ✓	✓					DJJ	29 Oct 82	undersize 1/16 North
Pc3	3/D	***	SB73 D69	DJJ 4 Nov 82	—					✓	✓					DJJ	29 Oct 82	As
ALL other shop weld	3/D	SW	SW	—						✓ ✓						DJJ	29 Oct 82	
ALL other field (weld	3/D	***	SB73 D69	DJJ [illegible]						✓ ✓						DJJ	29 Oct 82	
ALL compl. field	?/S1	[illegible]	?/D S1	DJJ 4 Nov 82						✓ ✓						DJJ	10 Nov 82	

LATE PHASE 1 COMPLETE

George Carpenter 11/10/82

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: *** 1A1R5 from Old WDR.
* Mat'l status Acc DMD 11-10-82

QA/QC SPECIALIST/DESIGNEE ______ DATE ______

* USE QA-34A TO LIST. ADDITIONAL WELDS

QA-34 REV.3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
I	RAB	236	ZONE 3	CC-H-397	A-3-236-1 CC-H-397	1A4R2	N/A
DISCIPLINE ENG.	DATE		WELDING ENG./FOREMAN	DATE		8. WELD ML. TY.	
Kerry Sulfur [signature]	9/24/81		R. Hunford 9/24/81	9/24/81		E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: Carr — DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ — DATE 1/30/82
2. WELDER(S) QUALIFICATION A ☑ R ☐
3. MAT'L STATUS A ☑ R ☐ — NCR/DDR # N/A — QA/QC INSPECTION [initials] — DATE 1/30/82

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP	ROOT NDE VT	ROOT NDE MT/PT	FINAL NDE VT	FINAL NDE MT/PT	FINAL NDE RT	FINAL NDE UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc ③ to Embed			PT 1/23/82	X			✓								
Pc 1 to Pc 2 (top) 351	C13						✓						PT	1/23/82	no room for weld rej. to be [illegible]
all other weld accept 3/51	C13						✓						PT	1/23/82	
Pc ① to ② top 351	D69						✓						[initials]	1/30/82	above problem corrected
all welds pc ② 351	D69						✓						[initials]	1/30/82	Replaced piece ②

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [initials] 9/24/81
INITIALS DATE

REMARKS:

QA/QC SPECIALIST / DESIGNEE — DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-CC-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA In-p. Signature	DATE
A-3236-1-CC-H-397	3/0	N/A	N/A	IAIRS	SB19	N/A		✓			N/A			N/A			N/A			N/A		N/A	[illegible]	12/1/80

Remarks: FCR-286 Extra Weld(s)
Rc'd Tacked

H - Hold
A - Accept
R - Reject

[illegible] Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	zone 3	CC-H-372	A3-236-1	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	6. DRAWINGS & SHT. #	8. WELD ML. TY.
C Butterton	9-28-82	Barbara Morris	9/29/82	CC-H-372	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: ______ INITIALS [illegible] DATE: 10-4-82

II

MAT'L STATUS (G.H.C. 3/24/83) ✱ A ☑ R ☐ NCR / DDR ✱✱ CLOSED ☐ QC INSPECTOR ______ DATE: ______

III

✱ JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP	ROOT NDE 3. VT	ROOT NDE 4. MT/PT	FINAL NDE 5. VT	FINAL NDE 6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT ✱✱, ETC
All Field welds	3/D	R/1	D ✱✱✱ 11	[illegible]						✓ ✓					→	[illegible]	2/9/82	
STEEL FURN w/CC H439	3/D	R/1	N/A							✓ ✓						[illegible]	2/9/82	Per Rev. 3/D Shouldn't have been Insp.
PC1 to PC2	4/51	1A4 R/3	D-11	GAS 12/9/82	N/A					✓						GAS	12/9/82	Not welded per drawing TOP + bottom
PC 4 to PC 2	4/51	1A4 R/3	D11	GAS 12/9/82	N/A					✓						GAS	12/9/82	Not welded per drawing TOP + bottom
All other Field welds	4/51	1A4 R/3	D-11	GAS 12/9/82	N/A					✓						GAS	12/9/82	
All Shop welds	4/51	N/A	—							✓						GAS	12/9/82	
All Field Welds	3/D	1A4 R-1 R-3	D-11 & C-84	1/7/83	N/A					✓ ✓	N/A				→	[illegible]	1/7/83	Above Deficiencies Repaired
All Shops Welds	3/D	N/A							→	✓ ✓	N/A				→	[illegible]	1/7/83	
All Field welds	4/51	1A4 R/3	D11 C84	GAS 2/28/83	N/A					✓						GAS	2/28/83	
All Shop welds	4/51	N/A								✓						GAS	2/28/83	

LATE PHASE 1 COMPLETE [illegible signature] 3/1/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: ✱✱✱ From Old WDR.
✱ Mat'l Status Acc [illegible]

____
QA/QC SPECIALIST / DESIGNEE

______
DATE

✱ USE QA-34A TO LIST. ADDITIONAL WELDS

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I.

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 3	CC-H-372	A-236-1 CC-H-372	1A4121	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
Kerry Coulson	8-7-81	[illegible]	8-10-81	E7018

II. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A | DATE: N/A

III. 1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A [✓] R [ ] | DATE 9/12/81

2. WELDER(S) QUALIFICATION A [✓] R [ ] | 3. MAT'L STATUS A [✓] R [ ] | NCR/DDR # N/A | QA/QC INSPECTION [illegible] | DATE 9/12/81

IV.

1. WELD I.D. OR DESCRIP. 2. QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE						FINAL NDE												VAC BOX			PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT											
		H	TEMP	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
13 Fillets 3/0	D-11												✓	✓																	[illegible]	9/12/81	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [illegible] (INITIALS) 8/11/81 (DATE)

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

PG. 1 of

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	Zone 3	CC-H-344	CC-H-344 A.3-236-1	1A4R1	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE			8. WELD ML. TY.	
Ann Coates	6-29-82	Barbara Morris	6/29/82			E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ N/A DATE N/A
2. WELDER(S) QUALIFICATION A ☐ R ☐

3. MAT'L STATUS A* ☐ R ☐ | NCR/DDR # | QA/QC INSPECTION | DATE

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT (H / TEMP)	FITUP (H A R)	ROOT NDE VT (H A R)	ROOT NDE MT/PT (H A R)	FINAL NDE VT (H A R)	FINAL NDE MT/PT (H A R)	RT (H A R)	UT (H A R)	VAC BOX (H A R)	PWHT (H A R)	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Bottom Pc 2 to Pc 3 Inside South Weld. 752	D11 R SA40 D11 SB73					✓ ✓						ALT	7/6/82	Undersized by 1/8" Undercut weld spatter
Bottom Pc 2 to Pc 1 Inside South weld 752	SA40 SB73 D11					✓ ✓						ALT	7/6/82	Undersized by 3/16" Pin Holes
Bottom Pc 2 to Pc 1 Bottom weld 752	SA40 SB73 D11					✓ ✓						ALT	7/6/82	Undersized by 1/8"
Pc 1 to Pc 25 Bottom South side 752	SA40 D11 SB73					✓ ✓						ALT	7/6/82	Undercut Undersized 3/16"
Pc 2 Bottom to Pc 1 Top weld 752	SA40 D11 SB73					✓ ✓						ALT	7/6/82	Undersized 1/8
Pc 11 Top weld 752	SA40 D11 SB73					✓ ✓						ALT	7/6/82	Undercut Pin Holes
Pc 1 to Pc 2 bottom weld 752	SA40 SB73 D11					✓ ✓						ALT	7/6/82	Pin Holes Toolmarks Undersized
Pc 1 to Pc 2 Top Pc. 752	D11 SA40 SB73					✓ ✓						ALT	7/6/82	Undersized
Pc 3 to EM 3 North East side 752	D11 SA40 SB73					✓ ✓						ALT	7/6/82	Undersized
Pc 8 to EM 8 South side 752	SB73 SA40 D11					✓ ✓						ALT	7/6/82	Undersized by 1/16 East
Pc 1 spacer South East Corner	SB73 SA40 D11					✓ ✓						ALT	7/6/82	Undercut
Pc 11 spacer Bottom + Top South East	SB73 SA40 D11					✓ ✓						ALT	7/6/82	overlap weld spatter

(Preheat through Root NDE columns and Final MT/PT through PWHT columns marked N/A)

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [initials] INITIALS 6-29-82 DATE

REMARKS: Need to remove Temp. Attachments that still remain, and blend.
*MAT'L STATUS ACC-ALT 1-8-85

QA/QC SPECIALIST / DESIGNEE DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA—34A REV. 3

SEISMIC I WELD DATA REPORT
CONTINUATION SHEET

PG.

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID
1	RAB	236	Zone 3	CC-H-344

IV

JOINT ID. OR DESCRIPTION & QTY. OF WELDS	WELDER SYMBOL(S)	PRE-HEAT H	PRE-HEAT TEMP	FIT-UP H	FIT-UP A	FIT-UP R	ROOT NDE VT H	ROOT NDE VT A	ROOT NDE VT R	ROOT NDE MT/PT H	ROOT NDE MT/PT A	ROOT NDE MT/PT R	FINAL NDE VT H	FINAL NDE VT A	FINAL NDE VT R	FINAL NDE MT/PT H	FINAL NDE MT/PT A	FINAL NDE MT/PT R	FINAL NDE RT H	FINAL NDE RT A	FINAL NDE RT R	FINAL NDE UT H	FINAL NDE UT A	FINAL NDE UT R	FINAL NDE VAC BOX H	FINAL NDE VAC BOX A	FINAL NDE VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY REPAIR OR REWORK NCR/DDR, ETC.
Pc11 spacer Top+Bottom N Side 752	SB 73 SA40 D11				✓			✓					✓	✓																	RLT	7/6/82	Toolmarks Slag Pc8 Hole
Pc1 spacer North side 752	SB 73 D11 SA40							✓					✓	✓									✓								RLT	7/6/82	Toolmarks Spatter overlap 2 holes
Spacer to Pc8 Bottom 752 SKT	RSB79												✓	✓																	RLT	8/17/82	EAST Side U.S. 1/8"
Pc7 to Pc2. 752	RSB79												✓	✓									✓								RLT	8/17/82	Top EAST Corner South Side Arc Strike
Pc1 to Pc2 752	RSB79												✓	✓																	RLT	8/17/82	mid South East Side Overlap
Pc2 to Pc1 752	RSB79												✓	✓																	RLT	8/17/82	Bottom West overlap
Pc8 to EMB 752 EAST	RSB79												✓	✓																	RLT	8/17/82	West U.S. 1/8 for 3"
Pc7 to Pc2 752	RSB79												✓	✓																	RLT	8/17/82	North mid Arc STRIKE
Pc7 to Pc2 752 WEST	RSB79												✓	✓																	RLT	8/17/82	West & North Side Spatter Arc Strike 2 Slag Top inside Slag
All other Field Welds 752	RSB79												✓	✓																	RLT	8/17/82	All deficiencies Repaired
above 8/17/82 rejects 752	R D-11												✓																		GAO	12/21/82	corrected

LATE PHASE 1 COMPLETE George Carpenter 2/7/83

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 3	CC-H-344		IA4 R1	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE		8. WELD ML. TY.
R.D. Cooley	4-27-81	[illegible]	4-27-81	CC-H-344 A-3236-1	E7018

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A [✓] R [ ] DATE 6/22/81

2 WELDER(S) QUALIFICATION A [✓] R [ ] 3. MAT'L STATUS A [✓] R [ ] NCR/DDR # N/A QA/QC INSPECTION D. [illegible] GAO DATE 6/22/81 3/30/82

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	ROOT NDE VT A	ROOT NDE VT R	ROOT NDE MT/PT H	ROOT NDE MT/PT A	ROOT NDE MT/PT R	FINAL NDE VT H	FINAL NDE VT A	FINAL NDE VT R	FINAL NDE MT/PT H	FINAL NDE MT/PT A	FINAL NDE MT/PT R	FINAL NDE RT H	FINAL NDE RT A	FINAL NDE RT R	FINAL NDE UT H	FINAL NDE UT A	FINAL NDE UT R	FINAL NDE VAC BOX H	FINAL NDE VAC BOX A	FINAL NDE VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
12 - Fillets 6/6	SA40 D11						~~✓~~ 6/3/81			~~✓~~ 6/3/81			✓			✓															SM	6/22/81	overlap, lack of fusion
Ft 6/22/81																																	
~~12~~ 10 fillets 6/6	SA40												✓																		DQC	6/22/81	
12 Pc 4's ; both R 11 751	SI-3 SB-73												✓																		GAO	3/30/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY ____ INITIALS 4/28/81 DATE

QA/QC SPECIALIST / DESIGNEE ____ DATE

REMARKS: ~~Finished~~ GAO

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-CC-H Turnover No. N/A

Re Inspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Weld Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-3-236-1-CC-H-344	6/6	N/A	N/A	1AIR5	SA40 SH97	N/A		J			N/A			N/A			N/A			N/A		N/A	[signature]	1/20/81

Remarks: FCR-286 Weld Oversize
PCS 6, 7, 10, 2 missing

H - Hold
A - Accept
R - Reject

QA Specialist Date

QA-34
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 7	CC-H-338	A7-236-1 / CC-H-338	1A4	N/A
DISCIPLINE ENG.: B Kendrick	DATE: 3/31/83	WELDING ENG./~~FOREMAN~~: Barbara Morris	DATE: 3/31/83			8. WELD MTL. TY.: E 7018	REQUIRED NDE - A-MT/B-PT/C-RT/D-UT PLACE APPROPRIATE LETTER IN REQ BLK
RELEASE FOR WELDING QA/QC SPECIALIST: George Carpenter	DATE: 3/31/83	NCR/DDR NO.	CLOSED ☐	MAT'L STATUS A ☐ R ☐	INSP INIT	DATE	

JOINT ID. OR * DESCRIPTION & QUANTITY OF WELDS	REVISION DWG	REVISION WPS	WLDR SYM(S)	10. PREHEAT (TEMP, H, A, R, INSP, DATE)	11. FIT UP (H, A, R, INSP, DATE)	ROOT EXAMINATION 12. VISUAL (H, A, R, INSP, DATE)	ROOT EXAMINATION 13. NDE (REQ, H, A, R, INSP, DATE)	FINAL EXAMINATION 14. VISUAL H	A	R	INSP	DATE	FINAL EXAMINATION 15. NDE (REQ, H, A, R, INSP, DATE)	16. PWHT (H, A, R, INSP, DATE)	DEFICIENCY ** DESCRIPTION
Pc 2 to Pc 1	3/D	* R2	5163	—	—	—	—	✓	✓		ULT	3/31/83	—		US E. 1/16"
Pc 3 to Pc 1	3/D	R2	5163	—	—	—	—	✓	✓		ULT	3/31/83	—		S.I. Bottom
Pc 4 to Pc 1	3/D	R2	5163	—	—	—	—	✓	✓		ULT	3/31/83	—		US 1/16 E+N
All Other Field Welds	3/D	R2	5163	—	—	—	—	✓	✓		ULT	3/31/83	—		
All rejected welds	3/D	5	051	—	—	—	—	✓	✓		[illegible]	4/22/83	—		

LATE PHASE 1 COMPLETE George Carpenter 5/31/83

* USE QA-34 A TO LIST ADDITIONAL WELDS

* * QUANTITATIVE DATA MUST BE LISTED FOR ALL REJECTS

LEGEND: H – HOLDPOINT ✓ IN H COLUMN MEANS HOLD FOR QC
A – ACCEPT
R – REJECT

REMARKS: *Per Prev WDR
5163 accept 3-31-83
051 accept. [illegible] 4/22/83

QA/QC SPECIALIST ____________ DATE ____________

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
N/A	N/A	N/A	N/A	N/A	A-1-236-1-CC-1t-338	1A4	PREHEAT: Pc. 4 (SHANK) When welding strut adjustment.
DISCIPLINE ENG. Jane Arthurs	DATE 3/24/82	WELDING ENG./~~FOREMAN~~ Barbara Morris		DATE 3/25/82		8. WELD MAT. TY. E 7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: Sykes DATE: 5-19-82

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE: 5-22-82
2. WELDER(S) QUALIFICATION A ☑ R ☐ 3. MAT'L STATUS A ☑ R ☐ Ck'd 5-22-82 NCR/DDR# ___ QA/QC INSPECTION [signature] DATE 5-22-82

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT °F MIN. H	PREHEAT TEMP	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc. 4 (SHANK)		✓	150										✓																				
All other Field welds 3/16	51-63												✓	✓																	RS	5-22-82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP (INITIALS) 3-29-82 (DATE)

REMARKS: Pc. 4 (SHANK) Tack only [initials] 5-22-82

___ QA/QC SPECIALIST / DESIGNEE ___ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	C.W.T.	236	ZONE 1	CC-H-176	C-1-236-1	1A4	FIRST PASS WELD (YELLOW) FULL PEN WELD (GREEN) BACK GOUGE TO SOUND METAL PRIOR TO WELDING FROM SECOND SIDE
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE		CC-H-176	8. WELD MTL. TY. E7018	REQUIRED NDE-A-MT/B-PT/C-RT/D-UT PLACE APPROPRIATE LETTER IN REQ. BLK.
Mar Howlin	4-28-83	Barbara Morris	4/28/83				

RELEASE FOR WELDING QA/QC SPECIALIST: Margie Carpenter DATE: 5/2/83 | NCR/DDR NO. | CLOSED ☐ | MAT'L STATUS A ☐ R ☐ | INSP INIT. | DATE

JOINT ID. OR * DESCRIPTION & QUANTITY OF WELDS	REVISION DWG	REVISION WPS	WLDR SYM(S)	10. PREHEAT TEMP	10. PREHEAT H	10. PREHEAT A	10. PREHEAT R	10. PREHEAT INSP	10. PREHEAT DATE	11. FIT UP H	11. FIT UP A	11. FIT UP R	11. FIT UP INSP	11. FIT UP DATE	ROOT EXAMINATION 12. VISUAL H	12. VISUAL A	12. VISUAL R	12. VISUAL INSP	12. VISUAL DATE	ROOT EXAMINATION 13. NDE REQ	13. NDE H	13. NDE A	13. NDE R	13. NDE INSP	13. NDE DATE	FINAL EXAMINATION 14. VISUAL H	14. VISUAL A	14. VISUAL R	14. VISUAL INSP	14. VISUAL DATE	FINAL EXAMINATION 15. NDE REQ	15. NDE H	15. NDE A	15. NDE R	15. NDE INSP	15. NDE DATE	16. PWHT H	16. PWHT A	16. PWHT R	16. PWHT INSP	16. PWHT DATE	DEFICIENCY * * DESCRIPTION
A @ 335° Pc.4 TO EMBED R.										✓																✓																
A @ 351° 33' Pc.4 TO EMBED R.										✓																✓																
																										✓																

* USE QA-34A TO LIST ADDITIONAL WELDS

* * QUANTITATIVE DATA MUST BE LISTED FOR ALL REJECTS

LEGEND: H – HOLDPOINT ✓ IN H COLUMN MEANS HOLD FOR QC.
A – ACCEPT
R – REJECT

REMARKS:

QA/QC SPECIALIST _____ DATE _____

QA-34
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE			8. WELD MTL. TY.	REQUIRED NDE - A-MT/B-PT/C-RT/D-UT PLACE APPROPRIATE LETTER IN REQ. BLK.
	[illegible]	[illegible]	[illegible]		[illegible]	7018	

RELEASE FOR WELDING QA/QC SPECIALIST: [illegible] DATE: [illegible]	NCR/ DDR NO.	CLOSED ☐	MAT'L STATUS A ☐ R ☐	INSP INIT.	DATE

JOINT ID. OR * DESCRIPTION & QUANTITY OF WELDS	REVISION DWG	REVISION WPS	WLDR SYM(S)	10. PREHEAT						11. FIT UP					ROOT EXAMINATION 12. VISUAL					13. NDE						FINAL EXAMINATION 14. VISUAL					15. NDE						16. PWHT					DEFICIENCY * * DESCRIPTION
				TEMP	H	A	R	INSP	DATE	H	A	R	INSP	DATE	H	A	R	INSP	DATE	REQ	H	A	R	INSP	DATE	H	A	R	INSP	DATE	REQ	H	A	R	INSP	DATE	H	A	R	INSP	DATE	

* USE QA-34 A TO LIST ADDITIONAL WELDS

* * QUANTITATIVE DATA MUST BE LISTED FOR ALL REJECTS

LEGEND: H - HOLDPOINT ✓ IN H COLUMN MEANS HOLD FOR QC.
A - ACCEPT
R - REJECT

REMARKS:

____
QA/QC SPECIALIST

____
DATE

QA-34 REV 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1 PG. 1 OF ____

I	1. UNIT 1	2. BUILDING RHR	3. ELEV. 230	4. LOCA. ZONE 2	5. COMPONENT/HANGER ID. CC-H-111	6. DRAWINGS, REV. & SHT. # AE-226-1-CC-H-111	7. WELD PROC. 1A4	9. WELD INSTRUCTIONS PREHEAT: Pc. 1 (SHANK) When welding strut adjustment.
	DISCIPLINE ENG. [signature]	DATE	WELDING ENG./FOREMAN Barbara Morris	DATE 4/7/82		8. WELD ML. TY. E7018	

II
1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: [signature] DATE 6-7-82

III
1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE
2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # QA/QC INSPECTION DATE

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT °F Min H	PREHEAT TEMP	FITUP	ROOT NDE VT	ROOT NDE MT/PT	FINAL NDE VT	FINAL NDE MT/PT	RT	UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc. 1 (SHANK) 1SI		✓	150				✓								
Pc 1 To Pc 3 1SI	~~SI~~ 59	D.L. 6/22/82					✓	✓					[initials]	6/10/82	UNDERSIZE [illegible] corner Arc Strike
3 To EMBED 1SI								✓					[initials]	6/10/82	UNDERSIZE TOP, [illegible] I.D.
Pc 5 To EMBED 1SI								✓					[initials]	6/10/82	UNDERSIZE BOTTOM No welder I.D.
Pc 5 To Pc 3								✓					[initials]	6/10/82	Undersize both sides No welder I.D.
Pc 4 To Pc 3								✓					[initials]	6/10/82	No welder I.D.
Pc 4 To EMBED								✓					[initials]	6/10/82	NO welder I.D.
ALL WELDS 1SI	S-3, S4-37, D-88						✓						D.L.	6/25/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [initials] INITIALS 4-8-82 DATE

REMARKS:

QA/QC SPECIALIST / DESIGNEE DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236- CC-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-2-236-1-CC-H-111	1/B	N/A	N/A	1AIR4	SH37	N/A		✓			N/A			N/A			N/A			N/A		N/A	[signature]	11/20/80

Remarks: Clip MISSING

H - Hold
A - Accept
R - Reject

QA Specialist _____ Date _____

SEISMIC [illegible] WELD DATA REPORT

(PROCEDURE QQC-19)

					6. DRAWING, REV. & SH.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 2	CC-H-110	A2-236-1-CC-H-110	1A4 R-3	N/A
Ann Coates 8-11-82				Barbara Morris out 8/11/82		E7018	

ENGINEERED PLATES

FOREMAN: Carr DATE: 9-9-82

CONFIGURATION CHECKED WITH DWG(S) AT [illegible] N/A DATE N/A

QA/QC INSPECTION DATE

**

		VT				UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK, DDR, ETC.
PC 4 CEJ 9/13/82, EAST SIDES North & South Ends	* SI 59	✓	✓						CEJ 251	9/13/82	
All other Field welds 251	SI-59	✓✓							CEJ 251	9/13/82	
All shop Welds	NA	✓✓							ALT	9/14/82	
All Field Welds to Be Repaired	D11 S13	✓✓							ALT	9/14/82	Repaired

LATE PHASE 1COMPLETE George Carpenter 11/16/82

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP (INITIALS) 8-12-82 (DATE)

REMARKS: D11, S13 acc ALT 9/14/82
SI-59 Accepted DMB 9-25-82
** Mat'l. status Acc. 9-24-82 DMB

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD

(Procedure CQC-19)

Unit 1 System/Structure A2-236-1-CC-H- Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-2-236-1-CC-H-110	2/C	NA	NA	131R5	SH68	NA		✓			N/A			N/A			N/A			N/A		NA	[illegible]	11-20-8[illegible]

H - Hold
A - Acc[illegible]

Remarks: RR-139 resolves undersize weld
RR-053 resolves lack of fusion
[illegible]

QA-34
REV. 2
12/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE 1 OF ___

I — DISCIPLINE ENGINEER OR FOREMAN

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT / HANGER ID
1	RAB	236	ZONE 2	CC-H-110

6. DRAWING(S), REV. & SHEET NO'S	7. WELD PROCEDURE(S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOL(S)
17-2-236 + CC-H-110 3/C	1A1R6	E7018	SB 26

DISCIPLINE ENGINEER: Wallace R. Fender — DATE: 1-28-81

WELDING ENGR. / FOREMAN: Dick Mitchell — DATE: 1-29-81

II — FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN: N/A — DATE: N/A

III — WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH ___ DRAWINGS. ACCEPT ☑ REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION ACCEPT ☑ REJECT ☐ — 3. MATERIAL STATUS ACCEPT ☑ HOLD ☐ — NCR NO. N/A — INSP. INITIALS: SM — DATE: 4/16/81

IV — WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT			FINAL LAYER VT		FINAL LAYER MT/PT			FINAL LAYER RT			FINAL LAYER UT			FINAL LAYER PWHT			FINAL LAYER VAC BOX			INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
	NA	A	T	A	R	NA	A	R	NA	A	R	NA	A	R	H	A	R	NA	A	R			
5-Fillet Welds		✓		✓		✓			✓			✓			N/A			✓			SM	4-9	4/16/81

V — WELD QA — FIT-UP INSPECTION — FP WELDS MANDATORY — FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

VI — WELDING QA — FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: JS — INITIALS — 1-30-81 — DATE

LEGEND:
- A = ACCEPT
- H = HOLDPOINT
- R = REJECT
- FP = FULL PENETRATION
- NA = NOT APPLICABLE
- T = TEMPERATURE (> °F)

QA SPECIALIST ___ DATE ___

COPY 1

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	Zone 3	CC-H-382	A3-236-1 CC-H-382	1A4	PREHEAT: Pc. 1 (SHANK) When Welding STRUT ADJustment.
DISCIPLINE ENG./DEG.: C Butterton	DATE: 9-28-82	WELDING ENG./~~FOREMAN~~: Barbara Morris	DATE: 9/29/82			8. WELD ML. TY.: E7018	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: ______ INITIALS: BP DATE: 10-4-82

II MAT'L STATUS A ☐ R ☐ NCR/DDR** CLOSED ☐ QC INSPECTOR ______ DATE: ______

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC
~~Pc. 1 (SHANK)~~					~~✓~~	~~150~~				~~✓~~								DMB 5-11-83
Clips ~~Emb~~ Existing Steel ALT 10/29/82	2C	1A4 R2	C13	ALT [illegible]						✓✓						ALT	10/28/82	
Pc 1 (shank)					✓	150				✓								

LATE PHASE 1 COMPLETE Douglas M Brown 5-11-83

Material Status Submitted 5-13-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: No Shop Welds ALT 10/29/82

______ QA/QC SPECIALIST/DESIGNEE ______ DATE

* USE QA-34A TO LIST. ADDITIONAL WEL[DS]

REINSPECTION ✓

QA-34 REV.3:

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 3	CC-H-382	CC-H-382	1A4R2	PREHEAT; PC. 1 (SHANK) When welding strut adjustment.
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE		A-3-236.1	8. WELD ML. TY.	
D. Nelson	12-16-81	Barbara Morris	12/16/81			E7018	

I. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

I. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 1/8/82

2 WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ | NCR/DDR # N/A | QA/QC INSPECTION JR | DATE 1/8/82

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT °F MIN.		FITUP			ROOT NDE						FINAL NDE												PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX							
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
PC. 1 (SHANK)		✓	150										✓																			
all welds 3/c	C-13												✓																	JR	1/8/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JR 12/16/81

REMARKS:

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT / HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	RAB	236	ZONE 3	CC-H-488	A3-236-1 CC-H-488	1A4	N/A

DISCIPLINE ENG / DEG.	DATE	WELDING ENG. / ~~FOREMAN~~	DATE	8. WELD ML. TY.
C. Butterton	9-23-82	Barbara Morris	9/24/82	E70IB

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: | INITIALS BT | DATE: 9-28-82

II

MAT'L STATUS A ☐ R ☐ | NCR / DDR** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) NT/DATE	1. PREHEAT °F MIN. H	1. PREHEAT °F MIN. TEMP	2. FIT UP H A R	3. ROOT NDE VT H A R	4. ROOT NDE MT/PT H A R	5. FINAL NDE VT H A R	6. FINAL NDE MT/PT H A R	7. FINAL NDE RT H A R	8. FINAL NDE UT H A R	9. FINAL NDE VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT*, ETC.
All Field Welds	3/D	AIA R5	SBTA	QLT 10/26/82						✓						QLT	10/26/82	
All Shop Welds	3/D	AIA R5								✓						QLT	10/26/82	
All Field Welds	4/E	IA4 R3	SBTA	QLT 10/26/82						✓						QLT	10/26/82	
All Shop Welds	4/E	IA4 R3								✓						QLT	10/26/82	After Rep. by Grinding

LATE PHASE 1 COMPLETE George Carpenter 11/3/82

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS * MATERIAL STATUS ACC G.AC 11/1/82
AIA R5 taken from Final WDR dtd 11/3/82

_____ QA/QC SPECIALIST / DESIGNEE _____ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
REV. 2
12/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE QQC-19)

PAGE 1 OF ___

I — DISCIPLINE ENGINEER OR FOREMAN

1. UNIT	2. BUILDING	3. ELEV	4. LOCATION	5. COMPONENT / HANGER ID
1	RAB	236	ZONE 3	CC-H-488

6. DRAWING(S), REV. & SHEET NOS	7. WELD PROCEDURE(S) & REV. NOS	8. WELD METAL TYPE	9. WELDER SYMBOLS
3/0 A-2-QAL-1-CC-H-488	AWI R-4 dtd 2-18-81	E7018	SB79

DISCIPLINE ENGINEER	DATE	WELDING ENGR. / FOREMAN	DATE
[illegible]	2-4-81	[signature]	2-5-81

II — FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN [signature] DATE 2-18-81

III — WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS. ACCEPT ☑ REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION ACCEPT ☑ REJECT ☐
3. MATERIAL STATUS ACCEPT ☑ HOLD ☐ — NCR NO. N/A — INSP. INITIALS JR — DATE 2/15/81

IV — WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT NA	PREHEAT H	PREHEAT T	FINAL LAYER VT A	VT R	MT/PT NA	MT/PT A	MT/PT R	RT NA	RT A	RT R	UT NA	UT A	UT R	PWHT H	PWHT A	PWHT R	VAC BOX NA	VAC BOX A	VAC BOX R	INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
2 Fillet	✓			✓		✓			✓			✓			NA			✓			JR	2/10	2/15/81
4 Fillet				✓																	JR	2/10	2/15/81
all welds accepted prior 12-23-80 per Rev. 3/0 - no welding done RCI-17				✓																	JR		3/31/82

V — WELDING QA — FP WELDS MANDATORY — FILLETS OPTIONAL — FIT-UP INSPECTION

* JOINT IDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

VI — WELDING QA — FP TEE ROOT PASS

* JOINT IDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

USE QA-34A FORM TO LIST ADDITIONAL WELDS.
QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: JR INITIALS 2/16/81 DATE

LEGEND:
A = ACCEPT
H = HOLDPOINT
R = REJECT
FP = FULL PENETRATION
NA = NOT APPLICABLE
T = TEMPERATURE (> °F)

QA SPECIALIST _____ DATE _____

COPY 2

(SEE REVERSE SIDE FOR INSTRUCTION)

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure A2236-1-CC-H Turnover No. NA

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
A-2236-1-CC-H-110	2/C	NA	NA	1R5	SH68	NA		✓			N/A			N/A			N/A			N/A		NA	[illegible]	11-26-8[illegible]

Remarks: RR-139 resolves undercut weld
RR-053 resolves lack of fusion
Both Tacked Tog

H - Hold
A - Acc[illegible]

(2)

VOL

NO. 35

Clipped & Pink

EDDLEMAN 41
HARRIS WELD DATA
NOTE

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	ZONE 6	WG-H-712	W-6-236-1-4	1A4	N/A
DISCIPLINE ENG./DEG.: [signature]	DATE: 1-22-83	WELDING ENG./FOREMAN: [signature]	DATE: 1/22/83		WG-H-712	8. WELD MTL. TY.: E-7018	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 1/24/83

II

MAT'L STATUS A ☐ R ☐ | NCR/DDR** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP	3. ROOT NDE VT	4. ROOT NDE MT/PT	5. FINAL NDE VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINTS, ETC
Pc1 to Pc3 (Shop)	5F									✓ ✓						ALT	3/1/83	US 1/16 N+S
All other Shop welds	5F									✓ ✓						ALT	3/3/83	
All Field Welds	5F	init R2	*B7 A94	ALT 2-7-83						✓ ✓						ALT	3/3/83	
Pc1 to Pc3	751									✓						JM	5/26/83	Painted too thick.
Pc1 to Pc3	751	Shop	Weld							✓						JM	6/9/83	

LATE PHASE 1 COMPLETE — Douglas W. Brown 6-16-83

Material Status Submitted 6-23-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * Per Proc WDR ALT 2-7-83

QA/QC SPECIALIST/DESIGNEE ______ DATE ______

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	Zone 6	WG-H-712	WG-H-712 W-6-236-1	IH4	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE			8. WELD ML. TY.	
RJ Cooley	4-8-81	[illegible]	4-22-81			ETO19	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ (A) N/A

2 WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ | NCR/DDR # N/A | QA/QC INSPECTION QR | DATE 5/9/81

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H A R	ROOT NDE VT H A R	ROOT NDE MT/PT H A R	FINAL NDE VT H A R	FINAL NDE MT/PT H A R	FINAL NDE RT H A R	FINAL NDE UT H A R	FINAL NDE VAC BOX H A R	PWHT H A R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
1 Fillet 5/F	SH-1						J J						QR	5/9/81	Rework pc 5

Material Status Submitted 6-23-88

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY QR (INITIALS) 4/23/81 (DATE)

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
06-236-1-4-WG-H-702	3/0	N/A	N/A	1AIR2	B2/A94	N/A			/		N/A			N/A			N/A			N/A		N/A		2/4/85
Rejected for wrong type material																								

Remarks: PN-H-303 Rev 5/E Resolves Wrong type material

H - Hold
A - Accept
R - Reject

Inspector Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT #	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	ZONE 6	WG-H-705	W-6-236-1-4	1A4	N/A
DISCIPLINE ENG./DEG.	DATE	WELDING ENG./FOREMAN	DATE		WG-H-705	8. WELD MET. TY. E-7018	
[illegible]	1-22-83	[illegible]	1/22/83				

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS GHC DATE: 1/21/83

II

MAT'L STATUS A ☐ R ☐ | NCR/DDR** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	RESP. INIT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/EDR, INITIAL & DATE HOLD POINT, ETC
All Shop Welds	2C	—	—	—						✓	✓					QA	2/3/83	US ¼ Fill Accept
All Field Welds	2C	Init AS	* SH#1	acc 2-2-83						✓	✓					QA	2/3/83	
PC4 to PC3	3/D	1A4 R/3	E20	2/16/83						✓						QAS	2/16/83	
Clip to PC4 (Shop)	3/D	N/A	—	—							✓					QAS	2/16/83	US 7/16" Fill Accept

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * Per Rev WPS Rait 2-1-83

QA/QC SPECIALIST/DESIGNEE _____ DATE _____

* USE QA-34A TO LIST ADDITIONAL W[illegible]

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
6-236-1-4-WG-H-205	2/C	N/A	N/A	1A1R5	SH41	N/A		✓			N/A			N/A			N/A			N/A		N/A		2/11/81

Remarks: _____

H - Hold
A - Accept
R - Reject

_____ _____
Specialist Date

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

PG. 1 OF ___

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
N/A	N/A	N/A	N/A	N/A	WS-236-1-4-WG-H-54S	1A4	N/A
DISCIPLINE ENG.	**DATE**	**WELDING ENG./FOREMAN**	**DATE**			**8. WELD ML. TY.**	
Alan Carter	9-22-82	Barbara Morris	9/26/82			E7018	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ — N/A — DATE N/A

2. WELDER(S) QUALIFICATION A ☐ R ☐ | 3. MAT'L. STATUS A ☐ R ☐ | NCR/DDR* | QA/QC INSPECTION | DATE

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT	FITUP	ROOT NDE						FINAL NDE																PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC
				VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX										
	1A4-P-3-4	H	TEMP	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
N.E. S.DE S-S1 Pc 1 TO WG-H-S-43	E-15	N/A								✓			N/A																		9/17/82	POROSITY ARC-STRIKES ½" UNDERCUT ⅛"
S.E. S.DE S-S1 Pc 1 TO WG-H-2-43	E-15	N/A								✓			N/A																		9/17/82	ARC-STRIKES ¼" - 5/16" SPATTER
S.W. S.DE S-S1 Pc 1 TO WG-H-S-43	E-15	N/A								✓			N/A																		9/17/82	UNDERCUT ⅛" - 3/16" LG.
Pc 2 TO Pc 1	E-15	N/A								✓			N/A																		9/17/82	ALL WELDS INCOMPLETE BY ¼" TO ½"
S-S1 ALL OTHER FIELD WELDS	E-15	N/A								✓			N/A																		9/17/82	
SHOP WELDS		N/A											N/A																			
S-S1 Pc 2 TO Pc 3		N/A								✓			N/A																		9/17/82	N.E., N.W., S.E., S.W., SIDES ALL UNDERCUT ⅛"
S-S1 ALL OTHER SHOP WELDS		N/A								✓			N/A																		9/17/82	
ALL REJECTED WELDS ABOVE S51 EXCEPT	SH-98 E-15	N/A					N/A			✓			N/A*															N/A			DMR	10-23-82	
Pc 2 to Pc 1 BOTH PCS S51	SH-98	N/A					N/A				✓		N/A															N/A			DMR	10-23-82	NE, SE, NW, SW, TOP UNDERCUT ⅛"
S-S1 ALL FIELD WELDS	E-15 & SH-98	N/A								✓			N/A																		11/3/82	ALL DEFICIENCIES REPAIRED
S-S1 ALL SHOP WELDS	SH-98	N/A								✓			N/A																		11/3/82	ALL DEFICIENCIES REPAIRED

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY RP (INITIALS) 9-29-82 (DATE)

QA/QC SPECIALIST / D___GNEE ___ DATE ___

REMARKS: *SH-98 ACC DMR 10-23-82
E-15 WAS CERTIFIED UNTIL 6-17-82, AT WHICH TIME HE TERMINATED S51 PC 11-3-82
* Mat'l Status Acc DMR 10/12/82

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ____ OF __

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	336	Zone 5	WG-H547	W-5-236-1 / WG-H547	1A4	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD MTL. TY.	REQUIRED NDE-A-MT/B-PT/C-RT/D-UT PLACE APPROPRIATE LETTER IN REQ. BLK.
[signature]	2/16/83	Barbara Morris	2/16/83	E 7018	

RELEASE FOR WELDING; QA/QC SPECIALIST	DATE	NCR/DDR NO.	CLOSED	MAT'L STATUS	INSP INIT.	DATE
George Carpenter	2/16/83		☐	A ☑ R ☐	CEJ	3-30-83

JOINT ID. OR * DESCRIPTION & QUANTITY OF WELDS	REVISION DWG	REVISION WPS	WLDR SYM(S)	10. PREHEAT (TEMP, H, A, R, INSP, DATE)	11. FIT UP (H, A, R, INSP, DATE)	ROOT EXAMINATION 12. VISUAL (H, A, R, INSP, DATE)	ROOT EXAMINATION 13. NDE (REQ, H, A, R, INSP, DATE)	FINAL EXAMINATION 14. VISUAL H	14. VISUAL A	14. VISUAL R	14. VISUAL INSP	14. VISUAL DATE	FINAL EXAMINATION 15. NDE (REQ, H, A, R, INSP, DATE)	16. PWHT (H, A, R, INSP, DATE)	DEFICIENCY ** DESCRIPTION
For H600 R/1 & PC 2 to SWH-543	4/E	* AWI R/4	* 5165	—	—	—	—	✓	✓		GAS	3/2/83	—		Not welded ** per drawing
For 600 R/1 All other F. welds	4/E	AWI R/4	5165	—	—	—	—		✓		GAS	3/2/83	—		
For H600 R/1 * All Shop welds	4/E	~~AWI~~ N/A		—	—	—	—		✓		GAS	3/2/83	—		
All Field welds	651	AWI R/4	5165	—	—	—	—		✓		GAS	3/8/83	—		
*** All Shop welds	651	N/A		—	—	—	—		✓		GAS	3/8/83	—		

LATE PHASE 1 COMPLETE George Carpenter APR 16 1983

* USE QA-34 A TO LIST ADDITIONAL WELDS

* * QUANTITATIVE DATA MUST BE LISTED FOR ALL REJECTS

LEGEND: H - HOLDPOINT ✓ IN H COLUMN MEANS HOLD FOR QC.
A - ACCEPT
R - REJECT

REMARKS: ** Watchit Rev. 651 deletes welding these members together. GAS 3/2/83
* From previous WDR GAS 3/2/83
*** Top end cap welds inaccessible by ARC - testable per RF/QCW-006 GAS 3/8/83

QA/QC SPECIALIST ____________ DATE ____________

COMPLETE REINSPECTION G.A.C. APR 1 6 19[illegible]

QA-34 REV. 3

SEISMIC 1 WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTION
1	WPB	236	Zone 5	WG-H-547	W-5-236-1 / WG-H-547	AWI	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
Chris Ruttenour	3/27/81	[signature]	3-30-81	E7018

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # N/A QA/QC INSPECTION DATE:

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE VT			ROOT NDE MT/PT			FINAL NDE VT			FINAL NDE MT/PT			FINAL NDE RT			FINAL NDE UT			FINAL NDE VAC BOX			PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
8 fillets (plate to embeds) 4/E							√	√					√	√																	DRC	7/8/81	
4 fillets 4/E	SI65													√																	FT	9/10/81	Partial PL 1 to embed (WEST SIDE)
PL ② to ① 16 Flares 4/E *	SI65													√																	GR	9/30/81	
PL ② 4 Flares 4/E *	SI65													√																	GR	10/9/81	
10 Fillets 4/E *	SI65													√																	GR	10/9/81	
PL ① East 4/E *	SI65														√																GR	10/9/81	Cold lap, [illegible]

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY GR (INITIALS) 3/30/81 (DATE)

QA/QC SPECIALIST / DESIGNEE ______ DATE ______

REMARKS: * FCR 600 Rev 1

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
REV 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	zone 5	WG-H-541	W-5-236-1-4 / WG-H-541	1A4	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~ B.M.	DATE	8. WELD MTL. TY.	REQUIRED NDE - A-MT/B-PT/C-RT/D-UT PLACE APPROPRIATE LETTER IN REQ. BLK.
JoAnn Massei	3/15/83	Wrighton Lewis	3-17-83	E7018	

RELEASE FOR WELDING QA/QC SPECIALIST: C.E. Davis DATE: 3/18-83 | NCR/DDR NO. | CLOSED ☐ | MAT'L STATUS A ☐ R ☐ | INSP INIT. | DATE

JOINT ID OR * DESCRIPTION & QUANTITY OF WELDS	REVISION DWG	REVISION WPS	WLDR SYM(S)	10. PREHEAT	11. FITUP	12. ROOT VISUAL	13. ROOT NDE	14. FINAL VISUAL (H / A / R / INSP / DATE)	15. FINAL NDE	16. PWHT	DEFICIENCY ** DESCRIPTION
clip to Embed	3 S 1	* 2	* SH98	—	—	—	—	√ / √ / / R M / 3/24/83	—		US all around 1/4
CLIP To EMBED	3 S 1	5	E-20	→	→	NA	NA	√ / √ / / CW / 4/16 83	NA →	NA	

LATE PHASE 1 COMPLETE George Carpenter APR 26 1983

Material Status Submitted 4-28-83

* USE QA-34A TO LIST ADDITIONAL WELDS

** QUANTITATIVE DATA ...

LEGEND: H - HOLDPOINT √ IN H COLUMN MEANS HOLD FOR QC
A - ACCEPT
R - REJECT

REMARKS: *From old WDR 3/2...

WELDER (E-20) QUALIFICATION VERIFIED CW 4-16-83

QC SPECIALIST ______ DATE ______

REINSPECTION G.A.E. 4/26/83

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	TWCB	236	ZONE 6	WG-H-541	WG-236-1 541 / WG-H-600	1A4	N/A
DISCIPLINE ENG	DATE	WELDING ENG./FOREMAN	DATE			8. WELD ML. TY.	
Jerry Kelly	1-5-82	Barbara Morris	1/5/82			E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 1/18/82

2 WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ | NCR/DDR # N/A | QA/QC INSPECTION GK | DATE 1/18/82

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
all welds 351	SH98												√	√																	GK	1/18/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY GM 1/5/82
INITIALS DATE

REMARKS:

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
REV. 2
2/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE 1 OF ___

I — DISCIPLINE ENGINEER OR FOREMAN

1. UNIT	2. BUILDING	3. ELEV	4. LOCATION	5. COMPONENT / HANGER ID
1	WFB	236	ZONE 5	WG-H-541

6. DRAWING(S), REV. & SHEET NOS	7. WELD PROCEDURE(S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOL(S)
WG-5-236-1-4-WG-H-541 Rev 3/D			

DISCIPLINE ENGINEER	DATE	WELDING ENGR. / FOREMAN	DATE

II — FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN: N/A — DATE: N/A

III — WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS — ACCEPT ☐ REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION — ACCEPT ☑ REJECT ☐ — 3. MATERIAL STATUS — ACCEPT ☐ HOLD ☐ — NCR NO. N/A — INSP. INT'LS: [illegible] — DATE: 1/22/81

IV — WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT			FINAL LAYER																	INSPECTOR'S INITIALS	DATE	
				VT		MT/PT			RT			UT			PWHT			VAC BOX				WELDED	INSP.
	NA	H	T	A	R	NA	A	R	NA	A	R	NA	A	R	H	A	R	NA	A	R			
1 Fillet				✓																	[illegible]		1-22-81

FIT-UP INSPECTION — FP WELDS MANDATORY — FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP			DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)
	H	A	R			

VI — WELDING QA — FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT			MT/PT			DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)
	H	A	R	H	A	R			

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: _____ INITIALS _____ DATE

LEGEND:

A = ACCEPT
H = HOLDPOINT
R = REJECT
FP = FULL PENETRATION
NA = NOT APPLICABLE
T = TEMPERATURE (▷ °F)

_____ QA SPECIALIST _____ DATE

COPY _____

(SEE REVERSE SIDE FOR INSTRUCTION)

QA-34
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

MATERIAL STATUS SUBMITTED

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.	6. DRAWING, SHT. NO. & CONTRACT NO.	7. WELD PROC.	9. WELD INSPECTIONS
1	WPB	236	Zone 5	WG-H-537	W-5-236-1 / WG-H-537	1A4	

DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~ G.M.	DATE	8. WELD MTL. TY.	REQUIRED: PLACE A... (MT/B-PT/C-RT/D-UT) LETTER IN REQ BLK
John Massi	3/15/83	Wrighston Lewis	3-17-83	E7018	

RELEASE FOR WELDING QA/QC SPECIALIST: C.E. Goins DATE: 3-18-83 — NCR / DDR NO. — CLOSED ☐ — MAT'L STATUS A ☐ R ☐ — INSP INIT — DATE

JOINT ID. OR DESCRIPTION & QUANTITY OF WELDS *	REVISION DWG	REVISION WPS	WLDR SYM(S)	14. VISUAL H	A	R	INSP	DATE	15. NDE	DEFICIENCY DESCRIPTION **
PC 3 to EMBED	4/E	2	S1/11	√	√		RJG	3/24/83		
PC (6) to PC (5)	4/E	2	S1/11	√		√	RJG	3/21/83		US, AS, LOF S.E. SIDE Top & Bottom welds US 1/16"-3"
Both (Field) PC 5 to PC 3	4/E	2	S111		√		JAS	3/25/83		
Both (Shop) PC 2 to PC 1	4/E	[illegible]	N/A		√		JAS	3/25/83		welds US 1/16"-1 1/2"
Top (Field) PC 5 to PC 3	4/E	1A4 / 2	S111		√		JAS	3/25/83	JAS 4/13/83	Weld MISSING Top
Bottom PC 5 To PC 3 (Field)	4/E	1A4 / 2	S111		√		JAS	3/25/83	JAS 4/13/83	Weld missing Bottom
Top + Bott (Field) PC 6 to PC 5	4/E	1A4 / 2	S111		√		JAS	3/25/83	JAS 4/13/83	Welds missing N & S.
(Shop) End Cap Welds	4/E	N/A		√			JAS	3/25/83		
ALL SHOP WELDS	4/E	N/A	N/A	√			[illegible]	4/13/83		
ALL FIELD WELDS	4/E	1A4 RS	S111 F20*	√			[illegible]	4/13/83		

* USE QA-34A TO LIST ADDITIONAL WELDS

** QUANTITATIVE DATA MUST BE LISTED FOR ALL REJECTS

LEGEND: H – HOLDPOINT √ IN H COLUMN MEANS HOLD FOR QC
A – ACCEPT
R – REJECT

REMARKS: WELDER CLEAVE OK – RSG 3/21/83
Disp Per FCR A 979 RSG 3/21/83
* WELDER'S QUALIFIED 4-13-83 J.L.J.

QA/QC SPECIALIST ______ DATE ______

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-537	W-5-236-1	1A4	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE			8. WELD ML. TY.	
Chris Rittenour	4/1/81	D. Hill	4-6-81	WG-H-537		E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE

2 WELDER(S) QUALIFICATION A ☐ R ☐ | 3. MAT'L STATUS A ☐ R ☐ | NCR/DDR # N/A | QA/QC INSPECTION | DATE

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE						FINAL NDE														PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX								
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	T	A	R	H	A	R	H	A	R			
7 Fillet Rod 4/E	SI-11												N																		GR	4/30/81	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY _____ (INITIALS) 4/6/81 (DATE)

QA/QC SPECIALIST / DESIGNEE _____ DATE _____

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34A
REV. 5
12/21/82

SEISMIC WELD DATA REPORT
CONTINUATION SHEET

PAGE _____ OF _____

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID.
1	WPB	236	ZONE 5	WG-H-537

JOINT ID. OR * DESCRIPTION & QUANTITY OF WELDS	REVISION		WLDR SYM(S)	10. PREHEAT						11. FIT UP						ROOT EXAMINATION										FINAL EXMINATION										16. PWHT					DEFICIENCY * * DESCRIPTION
																12. VISUAL						13. NDE						14. VISUAL						15. NDE									
	DWG	WPS		TEMP	H	A	R	INSP	DATE	H	A	R	INSP	DATE	H	A	R	INSP	DATE	REQ	H	A	R	INSP	DATE	H	A	R	INSP	DATE	REQ	H	A	R	INSP	DATE	H	A	R	INSP	DATE	

LATE PHASE 1 COMPLETE

George Carpenter 5/6/83

MATERIAL STATUS SUBMITTED 5-9-83

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

RFI # 1-7070.004

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT *	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	786	Zone 5	WG-H534	W-5-236-1, WG-H534	1A4	N/A

DISCIPLINE ENG./DES.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD MTL. TY.
[signature]	1-21-83	[signature]	1-22-83	E-7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 2/1/83

II

MAT'L STATUS A ☑ R ☐ (2/15/83) NCR / DDR**: N/A CLOSED ☐ QC INSPECTOR: George Carpenter DATE: 5/18/83

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP H A R	ROOT NDE 3. VT H A R	ROOT NDE 4. MT/PT H A R	FINAL NDE 5. VT H A R	FINAL NDE 6. MT/PT H A R	FINAL NDE 7. RT H A R	FINAL NDE 8. UT H A R	FINAL NDE 9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC
Pc1 to Embed	3 S4	2 *	C93 *	RM * 2/7/83						√ √						RM	2/7/83	US 1/16"
clip to Pc1	3 S4	Shop weld								√ √						RM	2/7/83	East weld welded over By Another weld
All other field welds	3 S4	2 *	C93 *	RM * 2/7/83						√ √						RM	2/7/83	
All other shop welds	3 S4	Shop welds								√ √						RM	2/7/83	
Pc 3 (shank)	3 S4															RM	2/7/83	Tacked
Pc1 to Embed	3 S4	3	E20	RM 2/12/83						√ √						RM	2/12/83	
clip to Pc1	3 S4	Shop 2/11/83								√ √						RM	2/11/83	Acceptable By RFI-QCW-005
LATE PHASE 1 COMPLETE George Carpenter APR 16 1983																		
Pc. 3 (SHANK)	3 S4	5	E-52	CW 5-11-83			NA →			√ √	NA →					CW	5-11-83	PHASE II

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * From old WDR 2/7/83 RM
WELDER (E-52) QUAL. O.K. CW 5-11-83

George Carpenter
QA/QC SPECIALIST / DESIGNEE

5/18/83
DATE

* USE QA-34A TO LIST ADDITIONAL WEL[DS]

REINSPECTION CAC APR 16 1983

QA-34 REV.3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

PG. 1 OF 2
GAG

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-534	WG-H-534	1A4R2	N/A
DISCIPLINE ENG. D. Gibson	DATE 9-23-81	WELDING ENG./FOREMAN Bm David Hill		DATE 9-24-81	W-5-236-1	8. WELD ML. TY. E7018	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: Gardner DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A☐ R☐ DATE N/A

2. WELDER(S) QUALIFICATION A ☒ R ☐ 3. MAT'L STATUS A ☒ R ☐ NCR/DDR # N/A QA/QC INSPECTION N/A DATE N/A

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc ② to ① 353	C-93												✓		✓																RS	3/11/82	UNDER SIZE WELD
Pc ② & Pc ① to EMBED 353	C-93												✓	✓																	RS	3/11/82	
Pc ② to plate 351	C 93														✓																JM	3/18/82	undersize
Pc ② to ① 351	C 93													✓																	JM	3/18/82	above problem corrected
all other welds 351 *	C 93													✓																	JM	3/18/82	
Pc ② to Plate 351	C 93														✓																JM	3/19/82	Undersize - needs 5/16" due to gap - Room for only 1/4" now has 3/16"
All Field Welds REV. 354	C-93														X																JM	5/4/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JM (INITIALS) 9/24/81 (DATE)

REMARKS: * Pc ③ not installed 3/18/82 JM

N/A
QA/QC SPECIALIST / DESIGNEE

N/A
DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ____ OF ____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WP	236	Zone 5	W6-H-535	W-5-236-1 W6-H-535	1A4	N/A
DISCIPLINE ENG./DES.	DATE	WELDING ENG./FOREMAN	DATE			8. WELD ML. TY.	
Kenneth Sullivan	4-1083	Barbara Morris	1/11/83			E7018	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 1/12/83

II

MAT'L STATUS A ☑ R ☐ CQC 3/24/83 | NCR / DDR** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
West Shank Weld	252									✓						GAC	1/17/83	Tacked only
All other field welds	252	*1A4 R/0	* SH 1	GAC 1/17/83	N/A					V						GAC	1/17/83	
All shop welds	252	N/A								V						GAC	1/17/83	

LATE PHASE 1 COMPLETE George Carpenter APR 16 1983

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * From previous WDR GAC 1/17/83

QA/QC SPECIALIST / DESIGNEE _____ DATE _____

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION GAC APR 16 1983

A-34
REV. 2
2/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

CAL 5/19/83

DISCIPLINE ENGINEER OR FOREMAN	1. UNIT 1	2. BUILDING WPB	3. ELEV. 236	4. LOCATION ZONE 5	5. COMPONENT / HANGER ID WG-H-533
	6. DRAWING(S), REV. & SHEET NOS W-5-236-1-4-WG-H-533 Rev 0/A	7. WELD PROCEDURE(S) & REV. NO'S N/A	8. WELD METAL TYPE N/A	9. WELDER SYMBOL(S) A 18	
	DISCIPLINE ENGINEER N/A	DATE N/A	WELDING ENGR. / FOREMAN N/A	DATE N/A	

II FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN N/A — DATE N/A

III WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS — ACCEPT ☐ REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION — ACCEPT ☐ REJECT ☐
3. MATERIAL STATUS — ACCEPT ☑ HOLD ☐ — NCR NO. N/A — INSP. INITIALS PEC — DATE 1-22-81

IV WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT NA	PREHEAT H	PREHEAT T	FINAL LAYER VT A	FINAL LAYER VT R	MT/PT NA	MT/PT A	MT/PT R	RT NA	RT A	RT R	UT NA	UT A	UT R	PWHT H	PWHT A	PWHT R	VAC BOX NA	VAC BOX A	VAC BOX R	INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
4 - Fillets				✓																	PEC		1-22-81
1 Fillet					✓																PEC		1-22-81
1 Fillet					✓																QR		2/20/81

FIT-UP INSPECTION — FP WELDS MANDATORY — FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

XI WELDING QA — FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: N/A (INITIALS) N/A (DATE)

LEGEND:

A = ACCEPT
H = HOLDPOINT
R = REJECT
FP = FULL PENETRATION
NA = NOT APPLICABLE
T = TEMPERATURE (> °F)

N/A
QA SPECIALIST

N/A
DATE

COPY

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-A Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
W-5-236-1-4-WG-H-533	0/A	N/A	N/A	1AIR2	A-48	N/A		✓		N/A			N/A			N/A			N/A			N/A		11/2/81

Remarks: ECR-286 Weld Oversize

H - Hold
A - Accept
R - Reject

N/A
QA Specialist

N/A
Date

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

(PROCEDURE CQC-19)

I. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-530	W-5-236-1 WG-H-530	1A4	____

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
N/A	N/A	N/A	N/A	F7018

II
1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III
1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE 6 Apr 82

2. WELDER(S) QUALIFICATION A ☐ R ☐ N/A | 3. MAT'L STATUS A ☐ R ☐ N/A | NCR/DDR # N/A | QA/QC INSPECTION N/A | DATE N/A

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP	ROOT NDE						FINAL NDE												PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
					VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX						
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
JBB *All complete welds	SH 1										✓																JBB	6 APR 82	
#1 to I-BEAM 4/E	SH 1												✓														JBB	6 APR 82	UNDER SIZE WELD 1/4"
North side 4/E																													
All other welds 4/E	SH-1										✓																JBB	6 APR 82	

V

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY N/A (INITIALS) N/A (DATE)

N/A
QA/QC SPECIALIST / DESIGNEE

N/A
DATE

REMARKS:
* Items #2 Not Welded

* USE QA-34A TO LIST ADDITIONAL WELDS

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1 WPB 236 ZONE 5

I (5/11/83)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
N/A	N/A	N/A	N/A	~~N/A~~ WG-H530	W-5-236-1 WG-H530	1A4	N/A
DISCIPLINE ENG. Kenny [illegible]	DATE 8-17-81	WELDING ENG./FOREMAN BM [signature]		DATE 8-25-81		8. WELD ML. TY. E7018	

II
1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III
1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 12-16-81

2. WELDER(S) QUALIFICATION A ☑ R ☐ 3. MAT'L STATUS A ☑ R ☐ NCR/DDR* N/A QA/QC INSPECTION Ken Stanley DATE 12-16-81

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP (KBS.) H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	ROOT NDE MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	FINAL NDE MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pl. #1 to tubesteel 4/E	SH-1			✓	✓								✓	✓																	KBS	12/16/81	
Pl. #1 to I beam 4/E	SH-1													✓																	KBS	12/16/81	
clips to Pl. #1 4/E	SH-1													✓																	KBS	12/16/81	
IV all welds accepted 4/E	SH-1													✓																	KBS	12/16/81	
Pl. (2) not welded																																	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [initials] INITIALS 8/25/81 DATE

REMARKS: all inspections done by KBS were re-inspected and found acceptable [illegible] 1/24/82

N/A
QA/QC SPECIALIST / DESIGNEE

N/A
DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ____ OF ____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-518	W-5-236-1 / WG-H-518	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD ML. TY.
B. Kenbruk	12/8/82	Barbara Morris	12/8/82	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS: BP DATE: 2-8-82

II

MAT'L STATUS: CR 2-2513 A ☑ R ☐ — NCR / DDR** CLOSED ☐ — QC INSPECTOR — DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	ROOT NDE 4. MT/PT H A R	FINAL NDE 5. VT H A R	FINAL NDE 6. MT/PT H A R	FINAL NDE 7. RT H A R	FINAL NDE 8. UT H A R	FINAL NDE 9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
~~All Field welds~~ Voided ALT 12-22-82	251	* R2	C93	ALT 12-22-82						√ √						ALT	12-22-82	Per R. H025 for Plat to End
All Shop welds	251									√ √						ALT	12-22-82	
Pc 3 to P. 4	251	* R2	C93	ALT 12-22-82						√	√					ALT	12-22-82	Slag and North side
All other Field welds	251	* R2	C93	ALT 12-22-82						√ √						ALT	12-22-82	
PC-3 to PC-4	251	R/3	S1 5	CEY 12/30/82						√ √						CEY	12/30/82	

LATE PHASE 1 COMPLETE George Carpenter APR 16 1983

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * Per Proc WDR ALT 12-22-82
Note RCI H025 ALT 12-22-82

QA/QC SPECIALIST/DESIGNEE ____ DATE ____

* USE QA-34A TO LIST. ADDITIONAL WELDS

REINSPECTION CAC APR 16 1983

QA-34A REV. 3

SEISMIC I WELD DATA REPORT
CONTINUATION SHEET

PG. 2 OF

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER ID
1	RAB	236	ZONE 5	W-5-236-1-WC-N-5"18

JOINT ID. OR DESCRIPTION & QTY. OF WELDS	WELDER SYMBOL(S)	PRE-HEAT		FIT-UP			ROOT NDE						FINAL NDE															PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX								
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
PG. 3 TO PG. 4 251	C-93												✓	✓																	JK	5/7/82	REQUIRED
PG. 3 TO EMBED 251	C-93												✓	✓																	JK	5/7/82	REPAIRED

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1 N/A	WFS N/A	236 N/A	ZONE 5 N/A	N/A WG-H-518	W-5-236-1 WG-H-518	1A4	N/A
DISCIPLINE ENG.		DATE	WELDING ENG./FOREMAN		DATE	8. WELD ML. TY.	
[signature]		2-18-82	Barbara Morris		2/18/82	E7018	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: Gardner DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # N/A QA/QC INSPECTION DATE:

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP	ROOT NDE VT	ROOT NDE MT/PT	FINAL NDE VT	FINAL NDE MT/PT	FINAL NDE RT	FINAL NDE UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc. 3 to Pc 4 251 *	C93			✓			✓	✓					JK	4/1/82	Undersize
Pc (3) to Embed 251	C93						✓	✓					JK	4/1/82	Undersize
all other completed welds 251	C93						✓						JK	4/1/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY KAD (INITIALS) 2-26-82 (DATE)

REMARKS: * Holdpoint not needed as hanger was welded prior to WDR being issued 4/1/82 JK

QA/QC SPECIALIST / DESIGNEE DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT			MT			PT			RT			PWHT			PWHT Chart	QA Insp. Signature	DATE
							H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
0-5-236-1-4-WG H-518	2/C	N/A	N/A	1.1.1.5	SH41	N/A		✓			N/A			N/A			N/A			N/A		N/A		2/5/81

Remarks: ECR-286 Weld Oversize

H - Hold
A - Accept
R - Reject

QA Specialist Date

QA-34 REV.3

SEISMIC I WELD DATA REPORT

PG. 1 OF ____

1 RAB 236 ZONE 5 (PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
N/A	N/A	N/A	N/A	N/A WG-H 512	W-5-236-1 WG-H-512	1A4	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
Jerry Carlson	3/4/82	Barbara Morris	3/18/82	ETO1B

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ N/A DATE N/A

2 WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ E-52 E-5 | NCR/DDR # N/A | QA/QC INSPECTION George Carpenter | DATE: 5/12/83

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	ROOT NDE VT A	ROOT NDE VT R	ROOT NDE MT/PT H	ROOT NDE MT/PT A	ROOT NDE MT/PT R	FINAL NDE VT H	FINAL NDE VT A	FINAL NDE VT R	FINAL NDE MT/PT H	FINAL NDE MT/PT A	FINAL NDE MT/PT R	FINAL NDE RT H	FINAL NDE RT A	FINAL NDE RT R	FINAL NDE UT H	FINAL NDE UT A	FINAL NDE UT R	FINAL NDE VAC BOX H	FINAL NDE VAC BOX A	FINAL NDE VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
PC 3 to Embed 1/B	*1A1 A5 SH-1	N/A											√	√																	GDS	12/22/82	Weld US 7/16" — 8" top + bottom N+S Marked
All other Field Welds 1/B	*1A1 A5 SH-1	N/A											√																		GDS	12/22/82	
Pc 3 to Embed 1/B	*1A4 A5 E52 SH-5												√																		DHJ	1/3/83	REPAIR.
	ESL																																
LATE PHASE 1 COMPLETE George Carpenter APR 16 1983																																	
Pc. 3 To EMBED 1/B	1A4 A-5 E-52						NA						√					NA												CW	5-6 83	PER WD-1271
PHASE II													√																		CW	5-6 83	NO WELDS REQUIRED
PHASE 2 COMPLETE George Carpenter 5/12/83																																	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP INITIALS 3-25-82 DATE

George Carpenter QA/QC SPECIALIST / DESIGNEE 5/12/83 DATE

REMARKS: * From Previous WDR [illegible] 12/22/82
WELDER (E-52) QUAL. VERIFIED CW 5-6-83
NO Shop welds [illegible] 12/22/82

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION DATE 4/16/83

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
WS-236-1-4-WG-H-512	1/B	N/A	N/A	IAIR5	SH-1	N/A		✓			N/A			N/A			N/A			N/A		N/A	[signature]	1/9/81

Remarks: No other Listing in QA-34 for WGH-512 PT 1/9/01

H - Hold
A - Accept
R - Reject

QA Specialist Date

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE 1 OF ___

1. UNIT 1	2. BUILDING	3. ELEV	4. LOCATION	5. COMPONENT / HANGER ID

6. DRAWING(S), REV. & SHEET NOS	7. WELD PROCEDURE(S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOL(S)
W-5-236-1-4-W6-H-512 1/B			SH-1

DISCIPLINE ENGINEER	DATE	WELDING ENGR. / FOREMAN	DATE

ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION. FOREMAN ____ DATE ____

ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS. ACCEPT ☐ REJECT ☐ NCR NO. ____
2. WELDER QUALIFICATION ACCEPT ☑ REJECT ☐ 3. MATERIAL STATUS ACCEPT ☑ HOLD ☐ NCR NO. ____ INSP. INITIALS AR DATE 1/21/81

WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT NA	PREHEAT H	PREHEAT T	FINAL LAYER VT A	VT R	MT/PT NA	MT/PT A	MT/PT R	RT NA	RT A	RT R	UT NA	UT A	UT R	PWHT H	PWHT A	PWHT R	VAC BOX NA	VAC BOX A	VAC BOX R	INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
3 Fillet				A																	AR		1/21/81

FP WELDS MANDATORY FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: ____ INITIALS ____ DATE

LEGEND:

A = ACCEPT
H = HOLDPOINT
R = REJECT
FP = FULL PENETRATION
NA = NOT APPLICABLE
T = TEMPERATURE (> °F)

____ QA SPECIALIST ____ DATE

COPY ____

(SEE REVERSE SIDE FOR INSTRUCTION)

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
N/A	WPS N/A	236 N/A	ZONE 5 N/A	N/A WG-H510	W5-236-1-WG-H-510	1A4R2	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE			8. WELD ML. TY.	
Ann Cottes	3-22-82	Barbara Morris	3/22/82			E7018	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: [illegible] N/A DATE: [illegible]

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ N/A DATE N/A

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # QA/QC INSPECTION DATE

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP	ROOT NDE VT	ROOT NDE MT/PT	FINAL NDE VT	FINAL NDE MT/PT	FINAL NDE RT	FINAL NDE UT	VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
	1A1R5														
Pc ⑤ to ⑤ toe 351	C93						√	/					JM	4/1/82	undersize
Pc ③ to ⑥ toe 351	C93							/					JM	4/1/82	undersize
all other completed welds 351	C93						√	/					JM	4/1/82	
Pc # 3 to Pc # 5 toe 351	1A4R-2 C-93						√	X					JM	4/14/82	HOLE OPEN INTO WELD
Pc # 3 to Pc # 6 toe 351	C-93						√	X					JM	4/14/82	PINHOLE, POROSITY
Pc 6 to Embed 351	[illegible]	N		N	N		√	N	N	N	N		JM 351	8/18/82	
P3 to Pc 6	SH98						√						JM 351	8/18/82	undercut
Clip to Pc 3	SH98						√						JM 351	8/18/82	
Pc 3 to Pc 4	SH98						√						JM 351	8/18/82	
Pc 4 to Embed	SH19						√						JM 351	8/18/82	undersize
Pc 5 to Pc 4	SW	A		A	A		√	A	A	A	A		JM 351	8/18/82	cannot verify backside
All Above Rejects Fixed	SH98						√						JM 351	8/28/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP (INITIALS) 3-23-82 (DATE)

REMARKS: SH19 - not on current list
C93 - Welder Qual. ok
SH98 - Welder Qual. ok
[illegible] DATE 1/19/80 [illegible] 12/10/82

QA/QC SPECIALIST [illegible] DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H- Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
5-236-1-4-WG H-510	1/B	N/A	N/A	1A IR 5	SH 19	N/A			√		N/A			N/A			N/A			N/A		N/A		11/9/81

Remarks: PHP-1196-Rw 3/0 Resolves weld symbol
clean-RCI-H-018 resolves extra

H - Hold
A - Accept
R - Reject

Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	736	Zone 5	WB-H-485	W-5-236-1 / WB-H-485	1A4	N/A

DISCIPLINE ENG./DES.	DATE	WELDING ENG./FOREMAN	DATE	6. WELD ML. TY.
Jerry Bailey	1/21/83	[signature]	1-22-83	E-7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS: GAC DATE: 2/1/83

II

MAT'L STATUS: EES 2/25/83 A ☑ R ☐ | NCR / DDR**: CLOSED ☐ | QC INSPECTOR: | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	3. ROOT NDE VT H A R	4. ROOT NDE MT/PT H A R	5. FINAL NDE VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
clip to Embed	1/B	1A1* R5	* X826	Rm* 2/7/83	—	—				√√						Rm	2/7/83	

LATE PHASE 1 COMPLETE George Carpenter 4/16/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: *From old WDR 2/7/83 Rm

______________________ QA/QC SPECIALIST/DESIGNEE ______ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION GEC 4/16/83

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-W6-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
05-236-1-4-W6-H-485	1/B	N/A	N/A	1A1R5	SB26	N/A		✓			N/A			N/A			N/A			N/A		N/A	[signature]	2/6/81

Remarks: No other Listing in QA-34 for W6-H-485 - 2/6/81 - PT

H - Hold
A - Accept
R - Reject

QA Specialist

Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	Zone 5	WG-H-483	W-5236-1 WG-H-483	1A4	N/A
DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE			8. WELD ML. TY.	
Kenny Paulsen	1-21-83	[illegible]	1-21-83			E-70XX	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS C.H.C. DATE: 2/11/83

II MAT'L STATUS A ☐ R ☐ NCR/DDR** CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
Pc 3 to Pc 7 (Rev 2/7/83 ~~Top~~)	7S/2	2 *	* SH98	Rm * 2/17/83						√	√					Rm	2/7/83	Top UT 5/16" & BMR
Pc 2 (shank)	7S/2	N/A	N/A	N/A												Rm	2/7/83	Tacked only
clip to Pc 3	7S/2	2 *	* SH98	Rm * 2/7/83						√	√					Rm	2/7/83	no weld symbol
All other Field welds	7S/2	2 *	* SH98	Rm * 2/7/83						√	√					Rm	2/7/83	
Pc 3 to Pc 7	7S/2	1A4 R-3	R 2:20	2/14/83 mx	N/A					√	√	N/A			→	mx	3/14/83	Above Deficiency Repaired
Pc 2 (shank) to Pc 3	7S/2	N/A								√	√	N/A			→	mx	3/14/83	Missing weld Symbol
CLIP TO Pc. 3	7S/3	2	SH98	CW 5-13-83			N/A		→	√	√		N/A		→	CW	5/13/83	No SHOP WELDS

LATE PHASE 1 COMPLETE Douglas W. Beltz 5-17-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * From old WDR 2/7/83

QA/QC SPECIALIST/DESIGNEE _____ DATE _____

* USE QA-34A TO LIST ADDITIONAL WE[illegible]

REINSPECTION

QA-34 REV. 3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

PG. 1 OF ____

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-483	WG-H-483 W-5-236-1	1A4	

DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD MAT. TY.
D. Gibson	1-6-82	Barbara Morris	1/7/82	E7018

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: R Gardner DATE:

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☒ R ☐ DATE 6-14-82

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # QA/QC INSPECTION [signature] DATE 6-14-82

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	ROOT NDE MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	FINAL MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
* 732 All Field Welds	SN-98												✓	X																	MK	6/14/82	
All Shop Welds	SN-98													X																	MK	6/14/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JM (INITIALS) 1/11/82 (DATE)

REMARKS: All Field Welds With Exception To Pc #2 (Cinake) MK 6-14-82

QA/QC SPECIALIST / DESIGNEE ____ DATE ____

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ____ OF ____

	1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
I	1	WPB	236	Zone 5	WG-H-477	W 52361 / WG-H-477	1A4	N/A
	DISCIPLINE ENG./DEG: [signature]	DATE: 1-21-83	WELDING ENG./~~FOREMAN~~: [signature]	DATE: 1-21-83			8. WELD ML. TY.: E-7018	
	QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY:				INITIALS: G.A.C.		DATE: 2/1/83	
II	MAT'L STATUS: C.C. 2-28-83 A ☐ R ☐	NCR/DDR #: CLOSED ☐		QC INSPECTOR			DATE:	

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT #, ETC
clip to Pc3	3/D	1A1* R6	* SH29	Rm* 2/1/83						√ √						Rm	2/1/83	Top & Bottom US 1/16" Top BMR
Pc 4's to Pc 3	3/D	Shop Weld								√						Rm	2/1/83	East welds inaccessible
All other Field welds	3/D	1A1* R5	* SH29	Rm* 2/1/83						√						Rm	2/1/83	
All other shop welds	3/D	Shop Welds								√						Rm	2/1/83	
ALL SHOP & FIELD WELD REPAIRS	4E	1A4 R-3	SJ-97	CW 2-21-83			NA			√			NA			CW	2-21-83	

LATE PHASE 1 COMPLETE [signature] 4/16/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * From old WDR 2/1/83 Rm
Inspected to ECR 979 rev 3

____________________ QA/QC SPECIALIST / DESIGNEE ____________ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236-WG-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
W-S-236-1-4-WG-H-4TT	3/0	N/A	N/A	1AIR5	SH29	N/A		✓			N/A			N/A			N/A			N/A		N/A		4/11/8

Remarks RR-269 MISSING Weld

H - Hold
A - Accept
R - Reject

Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	W6-H-467	W-6-236-1 W6-H-467	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD ML. TY.
B. KenDrick	9-22-82	Barbara Morris	9/23/82	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: _____ INITIALS BM DATE: 9-28-82

II MAT'L STATUS * A ☐ R ☐ NCR/DDR# _____ CLOSED ☐ QC INSPECTOR _____ DATE: _____

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) & DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	ROOT NDE 3. VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VISUAL BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT#, ETC.
All Field welds	251	1A4 Rev 3	SH 98	JM 12/1/82						√ √						JM	12/1/82	
clip to Pc 3	251	shop weld								√						JM	12/1/82	not a field weld.
Pc 3 to Pc 4	251	shop weld								√						JM	12/1/82	not a field weld. undercut
Pc 4 to Pc 5	251	shop weld								√						JM	12/1/82	not a field weld. undercut.
Pc 4 to Pc 5	251	shop weld								√						JM	12/14/82	
Pc 3 to Pc 4	251	1A4 Rev 3	SH 98	JM 12/14/82						√						JM	12/14/82	now a partial field weld.
LATE PHASE 1 COMPLETE per Questions 12-23-82																		

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS:
* Mat'l Status Acc DMR 12-22-82

_____ QA/QC SPECIALIST/DESIGNEE _____ DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT / HANGER ID

6. DRAWING(S), REV. & SHEET NO'S	7. WELD PROCEDURE(S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOLS
W5236-1-W6-H-467	AW1	E7018	SH-41

LINE ENGINEER OR FOREMAN	DISCIPLINE ENGINEER	DATE	WELDING ENGR. / ~~FOREMAN~~	DATE
	Henry Rayford	32091	[illegible]	3-23-81

II FOREMAN — ALL ITEMS

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION.

FOREMAN: | DATE:

III WELDING QA — ALL ITEMS

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS — ACCEPT ☑ REJECT ☐ | NCR NO.
2. WELDER QUALIFICATION — ACCEPT ☑ REJECT ☐ | 3. MATERIAL STATUS — ACCEPT ☑ HOLD ☐ | NCR NO. | INSP. INT'LS: SM | DATE: 4/4/81

IV WELDING QA — ALL WELD JOINT

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT			FINAL LAYER															INSPECTOR'S INITIALS	DATE	
				VT		MT/PT			RT			UT			PWHT			VAC BOX				WELDED	INSP.
	NA	H	T	A	R	NA	A	R	NA	A	R	NA	A	R	H	A	R	NA	A	R			
1-fillet weld	✓			✓		✓			✓			✓			N/A			✓			SM	3-27	4/4/81

D FIT-UP INSPECTION — FP WELDS MANDATORY — FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP			DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)
	H	A	R			

VI WELDING QA — FP TEE ROOT PASS

* JOINT INDENTIFICATION	VT			MT/PT			DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)
	H	A	R	H	A	R			

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.

QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: [signature] INITIALS — 3/23/81 DATE

LEGEND:
- A = ACCEPT
- H = HOLDPOINT
- R = REJECT
- FP = FULL PENETRATION
- NA = NOT APPLICABLE
- T = TEMPERATURE (> °F)

QA SPECIALIST _____ DATE _____

COPY _____

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure W-5-236-1-4-WB-H- Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Mt. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
-5-236-1-4-WB-H- H67	2/C	NA	NA	P-1-IA122	SB-25	NA		✓		N/A			N/A			N/A			N/A			N/A		1/22/80
cold lap, oversize																								
extra welds																								

Remarks: RR-149 resolves cold lap
I-256 resolves oversize & extra welds

H - Hold
A - Accept
R - Reject

Date

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
NA	NA	NA	NA	NA	W-5236-1 WG-H-463	1A4.3	N/A

DISCIPLINE/ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	8. WELD ML. TY.
[signature]	3-18-82	Barbara Morris	3/18/82	E7018

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: W P DATE: NA

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ NA DATE NA

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ * NCR/DDR # QA/QC INSPECTION DATE

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT	FITUP	ROOT NDE VT	ROOT NDE MT/PT	FINAL NDE VT	FINAL NDE MT/PT	FINAL NDE RT	FINAL NDE UT	FINAL NDE VAC BOX	PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
		H / TEMP.	H A R	H A R	H A R	H A R	H A R	H A R	H A R	H A R	H A R			
All Field Welds 3/10	SH41	←				√ √	→					CEJ 310	10/5/82	Reinspection
														William Pere 11-9-82

LATE PHASE 1 COMPLETE

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY BP (INITIALS) 3-25-82 (DATE)

REMARKS: * Mat'l status Acc. DDR [illegible]
SH41 acc BP 11-9-82

QA/QC SPECIALIST / DESIGNEE ______ DATE ______

* USE QA-34A TO LIST ADDITIONAL WELDS

QA: 14 REV 3

SEISMIC I WELD DATA REPORT

PG. 1 OF _____

1 WPB 236. Zone 1

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1/1	N/A	N/A	N/A	N/A WG-H462	W-5-236-1 WG-H-462	8. WELD ML. TY.	N/A
						1A4 E7018	

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE
Perry Pedersen	3-23-82	Barbara Merrin	3/23/82

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: DATE:

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ DATE

2. WELDER(S) QUALIFICATION A ☐ R ☐ 3. MAT'L STATUS A ☐ R ☐ NCR/DDR # QA/QC INSPECTION DATE:

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE						FINAL NDE														PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX								
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
All Field Welds 3D	1A4 RD3 S1198												√	√																	JM	2/21/83	welders Quals OK.
All shop welds 3D														√																	JM	2/21/83	undersize, Arc Strike.
All Field Welds 3D	1A4 RS ES2*														√																JM	3/15/83	stencil too close
All Shop Welds 3D	1A4 RS ES2*														√																JM	3/15/83	stencil too close.
above rejects 3/D	E-52 1A4 R6												✓																		GAD	6/3/83	corrected

LATE PHASE 1 COMPLETE George Carpenter 6/8/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JM (INITIALS) 3-24-82 (DATE)

QA/QC SPECIALIST / DESIGNEE DATE

REMARKS: * ES2 welders Quals OK GAD 6/3/83

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

RFI #1-7070.004

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE-5	W6-H-533	W-5-236-1, W6-H-533	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
[signature]	1/21/83	[signature]	1-22-83	E-7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 2/1/83

II

MAT'L STATUS 2-28-83 CE-1 A ☑ R ☐ | NCR / DDR** CLOSED ☐ N/A | QC INSPECTOR George Carpenter | DATE: 5/18/83

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV. *	WLDR SYM(s) *	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP	3. ROOT NDE VT	4. ROOT NDE MT/PT	5. FINAL NDE VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC
Pc 3 to Pc 4	3/D	1A4 R.0	SH 98	DMB 2-9-83						√ √						DMB	2-9-83	S. End Bottom US
Pc 3 to Pc 4	3/D	1A4 R.0	SH 98	DMB 2-9-83						√						DMB	2-9-83	N. End Top US at End Bottom
Clip to Pc 3	3/D	1A4 R.0	SH 98	DMB 2-9-83						√						DMB	2-9-83	Slag Inclusion
All other Field welds	3/D	1A4 R.0	SH 98	DMB 2-9-83						√						DMB	2-9-83	
Pc 3 to Pc 4	3/D	1A4 R-4	E-48	3/18/83	N/A					√ √	N/A					[initials]	3/18/83	Above Deficiencies Repaired
Pc 2 (clip) to Pc 3	3/D	1A4 R-4	E-48	3/18/83	N/A					√ √	N/A					[initials]	3/18/83	Above Deficiency Repaired
LATE PHASE 1 COMPLETE George Carpenter APR 16 1983																		
Phase II	3/D				NA				→	√ √	NA			→		CW	5.11.83	No Welds Required
PHASE 2 COMPLETE George Carpenter 5/18/83																		

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * As Per Prev. WDR, No Shop Weld Inspection Reqd. DMB 2-9-83

George Carpenter
QA/QC SPECIALIST / DESIGNEE

5/18/83
DATE

* USE QA-34A TO LIST ADDITIONAL WEL[DS]

REINSPECTION GAC APR 16 1983

QA-34 REV.3

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-533	W-5-236-1	1A4	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE		WG-H-533	8. WELD ML. TY.	
Cheri Ritterour	4/6/81	[signature]	4-8-81			E7018	

II

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

III

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 5/22/81

2 WELDER(S) QUALIFICATION A ☑ R ☐ | 3. MAT'L STATUS A ☑ R ☐ | NCR/DDR # N/A | QA/QC INSPECTION [signature] | DATE 5/22/81

IV

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE						FINAL NDE														PWHT			INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
							VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX								
		H	TEMP.	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
9 Fillets 3/0	SH98												√	√																	[signature]	5/22/81	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [signature] (INITIALS) 4/8/81 (DATE)

N/A (QA/QC SPECIALIST / DESIGNEE) N/A (DATE)

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV 3

SEISMIC I WELD DATA REPORT

PG. 1 OF

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-452	WS-236-1-WG-H452	1A4 R-3	N/A

DISCIPLINE ENG.	DATE	WELDING ENG./FOREMAN	DATE	8. WELD ML. TY.
Ann Coates	7-30-82	Barbara Morris	7/30/82	E7018

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

1. WELD JOINT & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☐ R ☐ N/A DATE N/A

2. WELDER(S) QUALIFICATION A ☐ R ☐ | 3. MAT'L STATUS A* ☐ R ☐ | NCR/DDR # | QA/QC INSPECTION | DATE

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS		WELDER SYMBOL(S)	PREHEAT		FITUP			ROOT NDE						FINAL NDE												PWHT	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
								VT			MT/PT			VT			MT/PT			RT			UT			VAC BOX					
			H	TEMP	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
All Other Field Welds	2/E	SH1												✓															HTD	8/5/82	
All Other Shop Welds	2/E	N/A												✓															HTP	8/5/82	
Pc 3 to EMB	3/E	SH1												✓															HTP	8/5/82	Bottom SKT Undersized ¼"
Pc 5 to Pc 4 Shop	3/E	N/A												✓															HTD	8/5/82	Top Front to Back Corners Undersized ¼"
Pc 1 (Clip) to Pc 4	3/C	SW-9B SF-6S SH-1	N											✓	✓		N												MK	11/3/82	Pin Holes & Porosity on East & West Sides / Various Do
Pc 3 to Pc 4	3/C	SW-9B SF-6S SH-3	N											✓	✓		N												MK	11/3/82	Skew Too Undersized ¼"
All Other Field Welds	3/E	SW-9B SF-6S SH-1												✓	✓														MK	11/3/82	
All Shop Welds	3/C		N											✓	✓		N												MK	11/3/82	
Pc 1 to Pc 4	2C	SW9B ST6S SH1 1A4 Rev 3	A														A												JM	11/22/82	Welders Quals OK
Pc 3 to Pc 4	2/C	SW9B 1A4 SF6S Rev 3												✓															JM	11/22/82	Welders Quals OK.

LATE PHASE 1 COMPLETE

George Carpenter 11/24/82

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY _____ INITIALS 8-2-82 DATE

QA/QC SPECIALIST / DESIGNEE _____ DATE _____

* USE QA-34A TO LIST ADDITIONAL WELDS

REMARKS:
* Mat'l Status Acc Davis 11/22/82

SEISMIC I WELD DATA REPORT

(PROCEDURE CQC-19)

1. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTION
N/A	WAP N/A	230 N/A	ZONE 15 N/A	WG-H-452 N/A	W-5236-1 WG-H-452	1A4	N/A
DISCIPLINE ENG.		DATE	WELDING ENG./FOREMAN	DATE		8. WELD ML. TY.	
[signature]		9-13-81	[signature]	8-25-81		E7018	

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

1. WELD TYPE & CONFIGURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE: 9/19/81

2. WELDER(S) QUALIFICATION A ☑ R ☐ 3. MAT'L STATUS A ☑ R ☐ NCR/DDR* N/A QA/QC INSPECTION [initials] DATE 9/19/81

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H	FITUP A	FITUP R	ROOT NDE VT H	VT A	VT R	ROOT NDE MT/PT H	MT/PT A	MT/PT R	FINAL NDE VT H	VT A	VT R	FINAL NDE MT/PT H	MT/PT A	MT/PT R	RT H	RT A	RT R	UT H	UT A	UT R	VAC BOX H	VAC BOX A	VAC BOX R	PWHT H	PWHT A	PWHT R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
4 Fillets 1/8	SH1												✓	✓																	[initials]	9/19/81	

SUPERSEDED

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY [initials] INITIALS 8/25/81 DATE

REMARKS:

QA/QC SPECIALIST / DESIGNEE DATE

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. *	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WPB	236	ZONE 5	WG-H-411	W-5-236-1 WG-H-411	1A4	N/A
DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE			8. WELD ML. TY.	
E. Kendruck	12-8-82	Barbara Morris	12/8/82			E7018	

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS BP DATE: 12-8-82

II MAT'L STATUS A ☐ R ☐ | NCR / DDR ** CLOSED ☐ | QC INSPECTOR | DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP	3. ROOT NDE VT	4. ROOT NDE MT/PT	5. FINAL NDE VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT **, ETC
Pc 4 to Emb	2S1	2	SH98 SH74	BP 12/23/82						√						DH	12/23/82	Top US 1/16
Pc 4 to Pc 3	2S1	2	SH98 SH74	BP 12/23/82						√						DH	12/23/82	Bottom US 1/16
Pc 4 to Emb south	2S1	2	SH98 SH74							√						DH	12/23/82	INACCESSIBLE
Clip to Pc 3	2S1	SW								√						DH	12/23/82	
Pc 4 to Emb. SW	2S1	R/2	S1 5	CE-9 12/30/82						√√						CE-9	12/30/82	South End of weld inaccessible
Pc 4 to Pc 3	2S1	R/2	S1 5	CE-9 12/30/82						√√						CE-9	12/30/82	

LATE PHASE 1 COMPLETE George Carpenter 4/16/83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS:
MATERIAL STAT. Verified 1-11-83 CE-9

QA/QC SPECIALIST / DESIGNEE ______ DATE ______

* USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION [illegible] 4/16/83

QA-34 REV 3

SEISMIC I WELD DATA REPORT

PG. 1 OF .

(PROCEDURE CQC-19)

I. UNIT	2. BUILDING	3. ELEV.	4. LOCA.	5. COMPONENT/HANGER ID.	6. DRAWINGS, REV. & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1	WTB	236	ZONE 5	WG-H-411	WG-H-411	1A4	N/A
DISCIPLINE ENG.	DATE	WELDING ENG./~~FOREMAN~~	DATE		W-5-2361	8. WELD ML. TY.	
D. Gibson	1-4-82	Barbara Morris	1/5/82			E7018	

I. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS
4. INFORM QA/QC FOR HOLD POINTS (H) & FINAL WELD INSPECTION

FOREMAN: N/A DATE: N/A

I. WELD TYPE & CONFICURATION CHECKED WITH DWG(S) & COMPONENT/HANGER CONFIGURATION CHECKED WITH DWG(S) A ☑ R ☐ DATE 1/22/82

2 WELDER(S) QUALIFICATION A ☑ R ☐ 3. MAT'L STATUS A ☑ R ☐ NCR/DDR # N/A QA/QC INSPECTION JR DATE 1/22/82

* JOINT I.D. OR DESCRIP. & QTY. OF WELDS	WELDER SYMBOL(S)	PREHEAT H	PREHEAT TEMP.	FITUP H A R	ROOT NDE VT H A R	ROOT NDE MT/PT H A R	FINAL NDE VT H A R	FINAL NDE MT/PT H A R	FINAL NDE RT H A R	FINAL NDE UT H A R	FINAL NDE VAC BOX H A R	PWHT H A R	INSP. INITIALS	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, ETC.
Pc @ Ck's 251	SH 98						√ √						JR	1/22/82	
all welds 251	SH 98						√						JR	1/22/82	

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT
T = TEMP. GREATER THAN LISTED

QA/QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY JR (INITIALS) 1/6/82 (DATE)

QA/QC SPECIALIST / ENGINEE _____ DATE _____

REMARKS:

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE _____ OF _____

I

1. UNIT	2. BUILDING	3. ELEV.	4 LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	zone 5	WG-H-570	W-5-236-1-4	1A4	N/A
DISCIPLINE ENG./DEG.	DATE	WELDING ENG./FOREMAN	DATE		WG-H-570	8. WELD ML. TY. E-7018	
[illegible]	1-21-83	[illegible]	1-22-83				

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 1/22/83

II MAT'L STATUS G.A.C. 2/24/83 A ☒ R ☐ NCR/DDR# CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	3. ROOT NDE VT H A R	4. ROOT NDE MT/PT H A R	5. FINAL NDE VT H A R	6. FINAL NDE MT/PT H A R	7. FINAL NDE RT H A R	8. FINAL NDE UT H A R	9. FINAL NDE VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT#, ETC
Pc 3 to Emb. S. End.	2/C	1A1 R-2	B-7 B-32	DmB 1-28-83						✓	✓					DmB	1-28-83	Porosity - Bottom weld
All other Field welds	2/C	1A1 R-2	B-7 B-32	DmB 1-28-83						✓						DmB	1-28-83	
Clip to Pc 3	2/C	N/A	N/A	N/A							✓					DmB	1-28-83	Top + Bottom Wrong weld symbol
All other Shop welds	2/C	N/A	N/A	N/A						✓						DmB	1-28-83	Pc 2 to Pc 3 (2 endcaps) E. weld Inaccessible.
Pc 3 to Embed	4/E	1A4 R5	E 52	Dm 5/18/83							✓					Dm	5/18/83	Arc strike Undercut
Clip to Pc 3	4/E	shop	welds							✓						Dm	5/18/83	
Pc 3 to emb	4/E	5	E 52	GAD 6/7/83												GAD	6/7/83	

LATE PHASE 1 COMPLETE Monique Carpenter 6/15/83

Material Status Submitted 6-16-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

QA/QC SPECIALIST/DESIGNEE _____ DATE _____

* USE QA-34A TO LIST ADDITIONAL WEL

REMARKS: * As Per Prev. WDR DmB 1-28-83

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	ZONE 6	WG-H-717	W-6-236-1-4	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	6. DRAWINGS & SHT. #	8. WELD FIL. TY.
[illegible signature]	1-22-83	[illegible signature]	1/22/83	WG-H-717	E-7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS GAC DATE: 1/24/83

II MAT'L. STATUS A ☐ R ☐ NCR / DDR** CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN.	2. FITUP	ROOT NDE 3. VT / 4. MT/PT	FINAL NDE 5. VT / 6. MT/PT / 7. RT / 8. UT / 9. VAC BOX	10. PWHT	INSP. INIT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT, ETC.
Pc1 & Pc4 (Ship)	2C ~~2C~~ DAT 2-1-83	1A1* R5	* 5H19	DAT 2-2-83				✓ ✓		DAT	3/5/83	US 1/16 All around
All Ea. welds	2C	1A1* R5	* 5H19	DAT 2-2-83				✓ ✓		DAT	3/5/83	
All other Shop welds	2C							✓ ✓		DAT	3/5/83	
Pc1 to Pc4	4/E	1A4 R3	E48	9-23 2/16/83	N/A			✓ ✓		GHS	2/16/83	welds us 1/16 - 3" Both sides (TOP & BTM)
Pc1 to Pc 4	4/E	1A4 R5	D91	RSG 6/1/83				✓ ✓		RSG	6/1/83	A5 E. Side 1/4
Pc 3 to EMBED	4/E	1A4 R5	D91	RSG 6/6/83				✓ ✓		RSG	6/8/83	Plate Damage to EMBED. Gap out Exceed
above rejects	4/E	5	R D91	GMO 6/13/83				✓ ✓		GMO	6/13/83	corrected

LATE PHASE 1 COMPLETE Douglas M. Brown 6-18-83

Material Status Submitted 6-20-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * Re Pro WDR DAT 2-2-83

____
QA/QC SPECIALIST / DESIGNEE

____
DATE

* USE QA-34A TO LIST. ADDITIONAL WE...

REINSPECTIO...

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure WG-H-717 Turnover No. N/A

ReInspection

Joint/Hanger No.	Rev. No	Weld No.	Verify Ht. No.	Welding Procedure No. & Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
1-236-1-Y-WG-H-717	2/C	N/A	N/A	1AIR5	SH19	N/A		✓			N/A			N/A			N/A			N/A		N/A		2/6/85

Remarks: _____

H - Hold
A - Accept
R - Reject

_____ _____

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.*	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	ZONE 6	WG-H-735	W-6-236-1-4	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	6. DRAWINGS & SHT.*	8. WELD ML. TY.
[signature]	1-22-83	[signature]	1-22-83	WG-H-735	E-7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS G.A.C. DATE: 2/1/83

II

MAT'L STATUS A ☐ R ☐ NCR/DDR** CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP H A R	ROOT NDE 3. VT H A R	ROOT NDE 4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT**, ETC.
		*	*															Hanger Not Built as Per Drawing. Pc 5 to
All Field welds	3/D	1A4 R.2	5B 28	DMB 2-7-83						✓ ✓						DMB	2-7-83	Emb. is NoT Installed.
Clip to Pc 3	3/D	N/A	N/A	N/A						✓						DMB	2-7-83	U.S. all around
Pc 4 to Pc 3	3/D	N/A	N/A	N/A						✓						DMB	2-7-83	N. End LOF Bottom S. End of No Fusion Top E. corner
clip to PC 3	6/G	1A4 R/3	E20	JAS 2/17/83	N/A					✓						JAS	2/17/83	
PC 4 to PC 3	6/G	1A4 R/3	E20	JAS 2/17/83	N/A					✓						JAS	2/17/83	
PC 5 to Embed	6/G	—								✓						JAS	2/17/83	Not installed See DRAWING Rev. 6/G
Pc 5 to embed	6S, 1	5	E 52	SAO 5/16/83						✓ ✓						BAD	5/16/83	
Pc 3 to Pc 5	6S, 1	5	E 52	JMM 5/24/83						✓						JMM	5/24/83	top-not flushed out
Pc 3 to Pc 5	6S, 1	5	E 52	SAP 6/7/83						✓ ✓						[illegible]	6/21	

LATE PHASE 1 COMPLETE

Material Status Submitted 6-16-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS: * As Per Prev. WDR DMB 2-7-83

QA/QC SPECIALIST / DESIGNEE ______ DATE ______

* USE QA-34A TO LIST ADDITIONAL WELDS

QA-34
7-25-79
Rev. 1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236- Turnover No. ______

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT H	VT A	VT R	MT H	MT A	MT R	PT H	PT A	PT R	RT H	RT A	RT R	PWHT H	PWHT A	PWHT R	PWHT Chart	QA Insp. Signature	DATE
1-6-236-1-4-WG-A-735	3/0	N/A	N/A	1A1R2	SB28	N/A		/			N/A			N/A			N/A			N/A		N/A	[signature]	2/16/8[illegible]

Remarks: ______

H - Hold
A - Accept
R - Reject

______ Date

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ______ OF ______

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT. #	7. WELD PROC.	9. WELD INSTRUCTIONS
i	WPB	296	ZONE 5	WG-H-581	W-5-236-1	1A4	N/A

DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE	6. DRAWINGS & SHT. #	8. WELD ML. TY.
B. Kenbrik	9-22-82	Barbara Morris	9/23/82	WG-H-581	E7018

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS BP DATE: 9-28-82

II

MAT'L STATUS A ☐ R ☐ NCR / DDR* CLOSED ☐ QC INSPECTOR DATE:

III

* JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FITUP	ROOT NDE 3. VT	4. MT/PT	FINAL NDE 5. VT	6. MT/PT	7. RT	8. UT	9. VAC BOX	10. PWHT	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORK NCR/DDR, INITIAL & DATE HOLD POINT*, ETC.
all field welds	2/C	3	SH 98	GAD 1/4/83						✓						GAD	1/4/83	
R 3 to R 5	2/C	N/A	N/A	N/A												GAD	1/4/83	AS; SP (various locals)
Clip to R 5	2/C	N/A	N/A	N/A												GAD	1/4/83	SP; OL (various locals)
all other shop welds	2/C	N/A	N/A	N/A												GAD	1/4/83	
above rejects	2/C	3	RSS 54	GAD 1/11/83												GAD	1/11/83	Corrected

LATE PHASE 1 COMPLETE George Carpenter 2/3/83

Material Status Submitted 4-28-83

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS:
Mat'l Final Status Acc [illegible]

QA/QC SPECIALIST / DESIGNEE ______ DATE ______

* USE QA-34A TO LIST. ADDITIONAL WELDS

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

Rev. 1

SEISMIC CLASS I HANGER/STRUCTURAL WELD DATA RECORD
(Procedure CQC-19)

Unit 1 System/Structure 236 W6-H Turnover No. N/A

Reinspection

Joint/Hanger No.	Rev. No.	Weld No.	Verify Ht. No.	Welding Procedure No.& Rev.	Welder's Symbol	Preheat Check	VT			MT			PT			RT			PWHT			PWHT Chart	QA Insp. Signature	DATE
							H	A	R	H	A	R	H	A	R	H	A	R	H	A	R			
W5-236-1-4-W6H-581	1/B	N/A	N/A	1AIRS	SH41	N/A		/			N/A			N/A			N/A			N/A		N/A	PT Burgin	1/8/81

Remarks: original inspection documentation on Form QA-34 Rev. 1 1-8-81

H - Hold
A - Accept
R - Reject

QA Specialist

EC

QA-34 REV. 4
9/82

SEISMIC WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE ____ OF ____

I

1. UNIT	2. BUILDING	3. ELEV.	4. LOCATION	5. COMPONENT/HANGER I.D.	6. DRAWINGS & SHT.#	7. WELD PROC.	9. WELD INSTRUCTIONS
1-4	WPB	236	ZONE 5	WG-H-584	W-S-236-1-4	144	N/A
DISCIPLINE ENG./DEG.	DATE	WELDING ENG./~~FOREMAN~~	DATE		WG-H-584	8. WELD ML. TY. E-7018	
Shailesh Trivedi	1-21-83	[signature]	1-22-83				

QC INSPECTION & NDE HOLDPOINT ASSIGNED AND/OR VERIFIED BY: INITIALS GHC. DATE: 1/22/83

II MAT'L STATUS 2-24-83 A ☑ R ☐ NCR/DDR# CLOSED ☐ QC INSPECTOR DATE:

# JOINT ID OR DESCRIPTION & QTY. OF WELDS	DWG(s) REV.	WPS REV.	WLDR SYM(s)	WLDR QUAL(s) INT/DATE	1. PREHEAT °F MIN. H	TEMP	2. FIT UP H A R	3. ROOT NDE VT H A R	4. MT/PT H A R	FINAL NDE 5. VT H A R	6. MT/PT H A R	7. RT H A R	8. UT H A R	9. VAC BOX H A R	10. PWHT H A R	INSP. INT.	DATE	DESCRIPTION OF DEFICIENCY, REPAIR OR REWORX NCR/DDR, INITIAL & DATE HOLD POINT#, ETC
ALL FIELD WELDS	3/0	AWS D1.1-84	SM 93	9.67: 1/31/83						√√						869	1/31/83	
ALL SHOP WELDS	3/0	N/A	N/A	N/A												869	1/31/83	SHOP WELDS ARE NOW FIELD WELDS AND ARE INACCESSIBLE.

III LATE PHASE 1 COMPLETE [signature] APR 16 1983

LEGEND: H = HOLDPOINT
A = ACCEPT
R = REJECT

REMARKS:

QA/QC SPECIALIST/DESIGNEE _____ DATE _____

USE QA-34A TO LIST ADDITIONAL WELDS

REINSPECTION GHC APR 16 1983

QA-34
REV. 2
2/29/80

SEISMIC I WELD DATA REPORT
(PROCEDURE CQC-19)

PAGE 1 OF ___

I — DISCIPLINE ENGINEER OR FOREMAN

1. UNIT	2. BUILDING	3. ELEV	4. LOCATION	5. COMPONENT / HANGER ID
1	WPB	236	Zone 5	WG-H-584

6. DRAWING(S), REV. & SHEET NO'S	7. WELD PROCEDURE(S) & REV. NO'S	8. WELD METAL TYPE	9. WELDER SYMBOL(S)
(3/D) W-5-236-1-4 WG-H-584	AW1	E7018	N/A

DISCIPLINE ENGINEER	DATE	WELDING ENGR. / ~~FOREMAN~~	DATE
Cheri L. Rittenour	3/3/81	[signature]	3-13-81

II — FOREMAN (ALL ITEMS)

1. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS FOR FULL PENETRATION WELDS.
2. NOTIFY DISCIPLINE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON JOINTS INVOLVING ENGINEERED PLATES.
3. COMPLETE WELDOUT OF JOINTS NOT REQUIRING ADDITIONAL INSTRUCTIONS.
4. INFORM QA FOR HOLD POINTS (H) & FINAL WELD INSPECTION. FOREMAN: N/A DATE: N/A

III — WELDING QA (ALL ITEMS)

1. WELD TYPES & CONFIGURATION CHECKED WITH DRAWINGS & COMPONENT/HANGER CONFIGURATION CHECKED WITH DRAWINGS — ACCEPT ☑ REJECT ☐ — NCR NO. N/A
2. WELDER QUALIFICATION — ACCEPT ☑ REJECT ☐
3. MATERIAL STATUS — ACCEPT ☑ HOLD ☐ — NCR NO. N/A — INSP INT'LS GR — DATE 5/23/81

IV — WELDING QA (ALL WELD JOINT)

* JOINT IDENTIFICATION OR DESCRIPTION & QTY. OF WELDS	PREHEAT NA	PREHEAT H	PREHEAT T	VT A	VT R	MT/PT NA	MT/PT A	MT/PT R	RT NA	RT A	RT R	UT NA	UT A	UT R	PWHT H	PWHT A	PWHT R	VAC BOX NA	VAC BOX A	VAC BOX R	INSPECTOR'S INITIALS	DATE WELDED	DATE INSP.
2 Flares Rejected for undersize - Length 1/2" short	✓				✓	✓			✓			✓			N/A			✓			GR	5/12	5/16/81
2 Flares Above 4/8				✓																	GR	5/19/81	5/23/81

FIT-UP INSPECTION / FP WELDS MANDATORY / FILLETS OPTIONAL

* JOINT INDENTIFICATION	FIT-UP H	FIT-UP A	FIT-UP R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR ROOT/WELDOUT (DATE)

XI — WELDING QA (FP TEE ROOT PASS)

* JOINT INDENTIFICATION	VT H	VT A	VT R	MT/PT H	MT/PT A	MT/PT R	DESCRIPTION OF DEFICIENCIES & REPAIR OR REWORK	INSPECTOR'S INITIALS	RELEASED FOR WELDOUT (DATE)

* USE QA-34A FORM TO LIST ADDITIONAL WELDS.
QA INSPECTION & NDE HOLDPOINTS VERIFIED BY: GR (INITIALS) 5/23/81 (DATE)

LEGEND:
A = ACCEPT
H = HOLDPOINT
R = REJECT
FP = FULL PENETRATION
NA = NOT APPLICABLE
T = TEMPERATURE (> °F)

QA SPECIALIST ______ DATE ______

COPY

(2)

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the matter of CAROLINA POWER & LIGHT CO. Et al.) Docket 50-400
Shearon Harris Nuclear Power Plant, Unit 1) O.L.

DOCKETED USNRC

CERTIFICATEOF SERVICE

I hereby certify that copies of WE Notice of Documents Relied Upon and Previously Served, As Testimony-in-Chief and case-in-chief on Joint Contention I and Eddleman 65, and of Proposed W.E. Exhibits on Contention 116 and of Interrogatories to Staff + FEMA + to Applicants/NC Emergency Planners and E-41 Exhibits† HAVE been served this 9 day of August 1984, by deposit in the US Mail, first-class postage prepaid, upon all parties whose names are listed below, except those whose names are marked with an asterisk, for whom service was accomplished by ______________

†Due to copy center problems, Judge Kelley orally approved filing as much of this as I can tonight (8-09) + the rest tomorrow. I had discussed this w/ applicants' attorney Baxter before contacting Judge Kelley.

Judges James Kelley, Glenn Bright and James Carpenter (1 copy each)
Atomic Safety and Licensing Board
US Nuclear Regulatory Commission
Washington DC 20555

George F. Trowbridge (attorney for Applicants)
Shaw, Pittman, Potts & Trowbridge
1800 M St. NW
Washington, DC 20036

Office of the Executive Legal Director
Attn Dockets 50-400/401 O.L.
USNRC
Washington DC 20555

Docketing and Service Section (3x)
Attn Dockets 50-400/401 O.L.
Office of the Secretary
USNRC
Washington DC 20555

John Runkle
CCNC
307 Granville Rd
Chapel Hill Nc 27514

Travis Payne
Edelstein & Payne
Box 12607
Raleigh NC 27605

Robert Gruber
Exec. Director
Public Staff
Box 991
Raleigh NC 27602

Richard Wilson, M.D.
729 Hunter St.
Apex NC 27502

Ruthanne G. Miller
ASLB Panel
USNRC Washington DC 20555

E. Plan Only To
Spence W. Perry
FEMA Room 840
500 C St. SW
Washington DC 20740

Dan Read
CHANGE/ELP PO Box 2151
~~5707 Waycross~~
Raleigh, NC 27602

Dr. Linda W. Little
Governor's Waste Mgt. Bd.
513 Albemarle Bldg.
325 N. Salisbury St.
Raleigh, NC 27611

Bradley W. Jones
USNRC Region II
101 Marietta St.
Atlanta GA 30303

Certified by Wells Eddleman