



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30303

OCT 23 1978

SSINS 5050

2  
Annex  
70

MEMORANDUM FOR: Files

THRU:

*CZ*  
Charles E. Murphy, Chief  
Reactor Construction & Engineering  
Support Branch

*JRD*  
Alan R. Herdt, Chief  
Projects Section  
Reactor Construction & Engineering  
Support Branch

FROM:

Robert D. Bradley, Principal Inspector  
Projects Section  
Reactor Construction & Engineering  
Support Branch

SUBJECT:

SUMMARY OF ACTIVITIES CONDUCTED SEPTEMBER 12 THROUGH  
OCTOBER 2, 1978 PERTAINING TO ALLEGATIONS AFFECTING  
THE SHEARON HAPRIS NUCLEAR POWER PLANT

On September 12, 1978, M. V. Annast requested a meeting with C. E. Murphy, V. L. Brownlee and myself to discuss a telephone call he had just received concerning the Shearon Harris Nuclear Plant. The caller was a [REDACTED] who requested that his name not be disclosed; however, he did want to meet with members of the Region II staff concerning safety-related structures and activities at the CP&L site. In general, the concerns involved re-bar tolerancing, concrete repair, survey monument changes, and misplaced anchor bolt mounting pads. As an inspection was already scheduled the following week, it was agreed that a meeting would be held with the caller at that time.

Late in the evening on September 19, 1978, M. V. Annast, W. B. Swan, and myself met with the [REDACTED]. He informed us that through a misunderstanding, he was no longer employed by [REDACTED]. He then proceeded to describe in detail six areas of concern he had in the fuel handling building, waste processing building, and unit 1 containment.

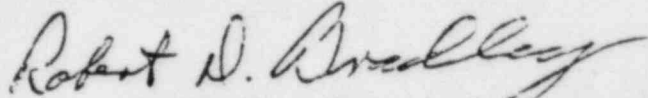
Between W. B. Swan and myself, each of the areas were examined, documentation was reviewed, and discussions were held with personnel knowledgeable in those areas. Care was taken not to draw any attention to our activities as it was determined that the licensee would not be informed unless the allegations were substantiated.

8406010016 840403  
PDR FOIA  
VADEN83-413 PDR

(8)

The results of our examination, as well as the specific areas in question, can be found in the letter prepared by M. V. Annast to the concerned individual dated

will provide additional information on these matters and the basis for these findings. In summary, there were no areas examined which were not adequately identified, documented, investigated, evaluated, and appropriate action taken.

  
Robert D. Bradley, Principal Inspector  
Projects Section  
Reactor Construction & Engineering  
Support Branch

cc: M. V. Annast

October 2, 1978

Dear \_\_\_\_\_

This refers to our meeting on \_\_\_\_\_ during which you expressed concerns about certain construction practices at Carolina Power and Light Company's Sharon Harris Nuclear Plant.

We have completed our examination of these matters. Messrs. Bradley and Sloop, two of our construction inspectors, interviewed workers, checked records and viewed the locations which you identified. Our findings are as follows:

1. Incorrect rebar placement tolerances - The inspectors found that some tolerances had not been met but in each case a field change request was initiated, evaluated and adequate corrective action was taken.
2. Small crack in the fill concrete - The six-inch long crack in the fuel handling building floor, which allowed water seepage, has been covered and sealed by plastic membranes and structural concrete. This is a standard procedure. The finished floor does not present a safety problem.
3. Misplaced control monuments - The apparent error in the alignment of the centerline of Unit 1 containment was probably caused by construction activities such as blasting and other major excavation activities which can result in minor disturbances of the nearby original reference monuments. The minor error, which you discovered, was previously noted in the survey field books and appropriate corrective actions were taken to insure proper alignment of the building.
4. Misplaced anchor bolts - The two-inch offset of the anchor bolts which you discussed, had been identified by a field change request and corrective action was taken by repositioning the pipes to as-built location. No safety problems resulted from this change.

5. Misplaced wall (#22A) in the waste processing building - The inspectors found that the wall is, in fact, positioned 1 3/8" to the south of the original location. This condition was identified in a field change request and evaluated. A study of space utilization showed the wall to be acceptable as built.
6. Cold joints in concrete - Possible cold joints, which you felt may have resulted because of an interruption of one hour in the pouring of concrete, due to a local strike, were examined by the inspectors. They found that the interruption did not create a problem. The retardants present in the concrete mix and use of additional J-bars insured an adequate joint.

This concludes our activities regarding this matter. We appreciate your concerns about the quality of construction at nuclear power plants. The Nuclear Regulatory Commission is committed to assure that all construction procedures are strictly followed to protect the health and safety of the public.

We feel that our actions have been responsive to your concerns. Please contact us should you desire further information on this matter.

Sincerely,

Michael V. Annast  
Regional Investigator

cc: George O. Cowar, XDOS  
Case file II-C46

RII MVA	RII CEAlderson	RII WSwan	RII BBradley	RII AErdt
10/2/78	10/3/78	10/3/78	10/3/78	10/ /78



DO NOT DISCLOSE  
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Confidential Source

September 21, 1978

SSIMS 3050

Dear

This confirms our telephone conversations of September 12 and September 17, 1978, during which you expressed concerns about certain construction practices at the Sharon Harris site.

This also refers to our scheduled meeting in [redacted] during which you provided additional information regarding your concerns.

We plan to examine the specific areas which you identified to us. We will inform you of the result of this examination.

Your cooperation is appreciated. Please don't hesitate to call me, Holbert, as usual, should you desire to provide additional information in this case.

Sincerely,

M. V. Annast  
Regional Investigator

cc: C. Cover, EDOE  
J. O'Reilly  
Case File II-C46

RII:INV  
Mannast:bem

9/21/78

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Confidential Source



SUMMARY OF INVESTIGATION-RELATED CONVERSATION

CASE NO.: <b>II-C46</b>	DATE: <b>9/19/88</b>	TIME INITIATED:	TIME COMPLETED:
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TYPE:  TELEPHONE CALL     MEETING     INTERVIEW     OTHER

PARTICIPANTS:

SUMMARY:

~~Continued. — The initial pour was about 100 yds covering approximately one third of the slab. Laborers and carpenters poured the rest.~~

~~They alleged pinpointed the approximate locations and elevations on charts furnished by inspectors. He was cooperative but was not very technically oriented. He no longer works for [ ]~~

REVIEWED BY:

DATE:

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# SUMMARY OF INVESTIGATION-RELATED CONVERSATION

CASE NO.: 20-246      DATE: 1/15/77      TIME INITIATED: 2:15 PM      TIME COMPLETED: 3:15 PM

TYPE:  TELEPHONE CALL     MEETING     INTERVIEW     OTHER

PARTICIPANTS:  
[Faint handwritten names]

SUMMARY:  
[Faint handwritten summary text]

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

**DO NOT DISCLOSE**  
This document may contain information which is exempt from public disclosure.



9/12/78

11:20am

CLASSIFIED  CONFIDENTIAL

CONFIDENTIAL  
CONTAINS IDENTIFYING INFORMATION

INDIVIDUAL CALLED:

Phone No.

H. DANCE  
ANNAST

INDIVIDUAL CALLING:

Phone No.

PURPOSE OF CALL:

Allegations of poor construction - HANNS  
individual initially contacted H. Dance  
and wished to remain anonymous.

I cleared the room and assured  
that I would respect his  
confidentiality.

He stated that he was a  
floor and  
wanted to report the following:

① Tolerances in the placement of  
rebar in the containment building  
are being changed, apparently without  
justification i.e.  $-0, +\frac{1}{8}$ ' TO  $\pm\frac{1}{8}$ '

② There is a crack in the floor  
~~of~~ of the fuel handling building -  
lots of water seeps in from underneath

③ Rumors of weakening of already  
placed rebar i.e. using torches.

④ Control monuments are not placed  
correctly - his own survey -  $\frac{1}{4}$ " off  
from  $\odot$  mark on the wall.

⑤ Anchor bolt pads - in waste

DO NOT DISCLOSE  
Contains Identifying Information



PHONE CALL RECORD

DATE:

TIME:

CALL: in  out

INDIVIDUAL CALLED:

Phone No.

INDIVIDUAL CALLING:

Phone No.

SUBJECT OF CALL:

M.F.R. OF CALL:

(cont) processing building. - One of these pads is 4 feet off it's original location. He does not know what this pad is touched to summit.

[Plant Manager] had ability to buy + fix - and cost of he  
 has not like QA manager  
 [Trully] was QA manager for several months - but actually  
 left because to [Richard Morrow] place - there was a lag  
 of several months for to [Trully] take Morrow place. -

went to plant manager explaining that needed more people - was  
 eventually set up because did not have enough people. People just not  
 are not replaced.

Program, the way out my was good program -  
 problem was that plant manager was not giving support.

[Chas Stewart] QA Co-ordinator - at monthly meeting

Acc. Welding machine, calibrated by welding people who supplied  
 the machines - WWP calibrated machine - certified service  
 person - Richard Morrow set up the QA and QC program  
 but a guy did come from WWP and supply the machines -  
 [Trully] got them calibrated but maybe - but plant manager got  
 support.

Welding certifications - they were certified when [Morrow] came  
 in. [Morrow] found them go to Dickalls look and get set  
 then certified.

- QA audits from Dec 78, Feb 80
- Engineering mgr Feb 80 - Apr 80
- QA mgr Apr - June 80
- Acc QA auditor from 80 - Sept 80
- Receiving inspection Sept 80 - Dec 81

[ 7 ]  
did audit report July 1980 - submitted a  
report - informal - prepared for the 2 external audit  
yearly audit each section.

① manage storage of component  
at get cleaned up  
other little things which they get cleaned up  
Toldeo Sobles - Columbus Ohio  
Pellegrini - Home 700 Columbus Ohio  
DISTRICT - Columbus Ohio.

Only one find has been [Morrow]

Had about 4 external audits - while GA  
manager had 2 external audits

Not aware of any component having incorrect #'s  
[Prosser Ray Adams] said they did =  
good that people - would get it out.

~~at good to get in early~~

parts locked up - when ready to assemble panel parts come out  
left unboxed while panel being assembled - could be  
3-6 months depending on many factors. Therefore parts  
sitting on floor, not marked that would get intermixed  
with other materials of other jobs

\* ask about QA corporate interface [G. Williams]  
[Atlanta] Does the plant manager detail what QA  
does or does not do.

12-10-81

as of time [Tue. 11.] was there - QA manager reports  
directly to [ ] project manager -  
Corporate QA has more control of plant

[ ] never nuclear certified, qualified -  
to but [ ] knowledge but he  
would not sign off on nuclear program

Construction inspector

CI inspector [Lobby Strickland] - mechanical inspector for CI group.

took <sup>Tracy</sup> train + bus ~~stayed~~ out and should be some non-safety related work.

QA <sup>weld</sup> Supervisor [Mr. West] - he looked at welds and he is evaluating.

~~to~~ [Mr. West] aware of allegation against best 2 welds said best not doing inspection

↑ They are the ones who installed pipe hangers on amp bld #1 - the crew who put them up may talk

- 77

came in yesterday and told Geo he knows IRL is looking at welds + he asked if he was going to get paid. Geo explain only paid 1

weld so far and not on personnel business [Richard Parsons] told last few foreman things and said one guy to have ambient program.



~~MAN~~  
MAN  
told about 6 weeks ago that to tighten  
up on inspections that welders are coming down  
on his case and out to get him

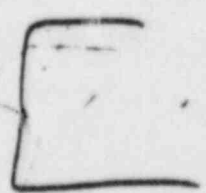
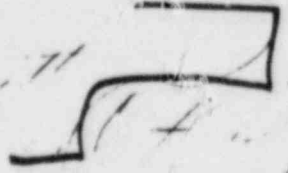
2 people that may be investigators

B.L. HOLCOMBE  
J.A. BRINCHECK

Welding Engineer  
(Inspector)

These 2 are allegedly coming down hard on  
causing an NCR to be written on one of [ ]  
welds on non-safety weld.

MAN has heard that 50% of welds are  
rejected when he inspects them  
[ ] claimed that people are after him because of high  
reject rate.



1. 1000  
2. 1000  
3. 1000

1000 - 1000  
1000 + 1000 = 2000

1000 - 1000 = 0

[erry White] Supervisor, QA welding

Had meeting w/ act QA welding inspectors - asked if anyone had any problems - after the meeting some inspectors complained about D.O.T. - equipment concerns.

~~That was also called by [erry White]~~  
November 30, 1998

[erry White] was inspecting hanger with Maxwell, both observed a bad fillet with [erry White] comment was "if [erry White] inspected + accepted this weld, he ought to be fired" Then Maxwell told [erry White] to check to see if the hanger had been inspected. He said he would but he did not think it had been accepted. Maxwell asked [erry White] on the following day if the hanger that had the bad weld had been signed off. [erry White] said it had. Maxwell checked the paperwork (felt looked too finished not to have been signed off) got hanger package + inspected it again. Everything OK except that one weld. Maxwell [erry White] later that afternoon and told him again that he thought he said it was signed off. [erry White] said what was the hanger number [erry White] said he thought it meant the hanger next to that one (do not mind any difference

because the one next to it ~~is~~ <sup>is</sup> kept off - according to Michael  
Michael checked 5 hangers - total of about 20 walls and found  
1 rejectable but it is not flagrant.

the ~~only~~ <sup>major</sup> inspector who has done re-inspection of <sup>pipe</sup> hangers +  
new pipe hangers for the last 9 months.

\* CI-hanger inspectors (construction inspectors)

\* address for pipe hanger is Reactor Assembly Bldg + Common Bldg  
room 14

\* QA welding inspectors (who have been certified for 9 months  
more)



[Kenneth A. Douglas] 12-11-81

- 6 months - QA watching monitoring
- 1) not wanted
  - 2) walking in field
  - 3) fabrication shop
  - 4) will hit around pouring.

about 1 month - 3 weeks ago, a welder in the field said asked  
 how do you inspect welds. Asked what he meant and he said  
 he heard someone was using a flashlight for the floor and not  
 doing any further checks. Can't recognize  
 approach also thought inspector - did not recognize

Approx 1 month ago, was shown a bad weld by John Brovcheck  
 who is a welding supervisor (but he has not signed to GTR GC)  
 pointed out the a bad  
 defect on a 1" waste process pipe <sup>in waste process</sup>. The welder  
 had ~~an~~ inspection sticker on it. <sup>with inspection + full light</sup> The weld was rejected by  
 [Douglas] because it was flange. Reported it [Jury White]  
 and in WCR was written [W-] told by [White] that WCR  
 was written. Pipe was sitting on bench - bench on the floor  
 welder called it to [Brovcheck's] (welder was doing the  
 "joining weld") attention. Weld was non-safety cast?  
 later asked [Brovcheck] if a weld like of same any ~~at~~  
 at [Douglas] used to call ~~to~~ bro.



he complained to management about [ ] about 5 months ago.  
[ ] had a very bad case of arthritis at that time.

\* [Ken Stanley] is helper for [ ] - is ~~getting~~ <sup>working on</sup> wings on  
pipe hangers with [ ] Don't know ~~how~~  
the punchy work.

\* [Mare Tallin] QA inspector - had control -  
welders have complained to him about [ ]

[Ernest W. Moore] <sup>Chair</sup>  
for approx 3 years (P+L at this  
QC welding inspector - piping

Director & computer code 1, 2, 3 class piping  
radiation piping + fire protection  
limited use

no changes - has not done so for several years

---

for about 2 months - QC welding inspector broken into 3  
groups

- 1) Pipe - [Ernest W. Moore]
- 3) QIT group - [Ken Douglas]

C P+L found this down.

about 2 1/2 - 3 weeks ago on a meeting was held with the  
<sup>1st</sup>  
Quality Group. The purpose is to discuss things which  
~~after effect~~ can be done to improve working conditions,  
general concerns raised are [Ernest W. Moore] & [Ken Douglas]

[Albino Walter]  
presenter

[Judy McDonald  
Ken Douglas -  
Steve Montcastle -  
Gil Deberis]

welding  
fabricator structural fab shop  
QIT Group  
Hanger Director - all over + R/L  
at Hanger Logistics Consultant



[Gilbert A. DeBarros]

2 months at Harris  
QA - Welding inspector works for [Terry Walter] <sup>left in about May 1981</sup>

Pipe hangers, structural support in containment.  
Heard rumor that [redacted] has suggested for floor  
no direct knowledge



( 12-14-81

[Reggie F. Faulkner] - 5 years experience  
2 months at Hines

Weld Control + Surveillance

welders - [Sythow] - fairly recently pipe welder - said  
called one of Daniels' boys + [Brencheck] (Douglas  
[Furbush] went and checked the pipe [Douglas  
[Hatch] about laps)

Overheard several times, that welders saying that  
was not showing flashlight on walls and on  
one occasion a welder said something about one of  
his co-workers taking a QA sticker off + putting it  
on a hanger. Food station was for LAB, Comm. room  
+ fuel

[Don Sands] a walking  
went out with [ ] and he checked the floor.

12.14.81  
[Sheila M. Freeman]  
Harris on August 27, 1981

CPT Welby Inspector  
6 years experience

Level II LP, I-RT, 2, RT 1 UT

Notes - profit ~~loss~~, Assoc 2+3, Fity, final  
visual. - No pipe hangers.

D. 14-81

[Gene G  
"Peter"]

[Tingen]

1/4 C  
CIA welding inspector

Hubby Dec 1979 - at home w/ Daniel  
CPL Feb of 1981

welding  
pipe inspector - but he has occasion to inspect  
hangers - did hangers before looks up into groups.

~~Dec 80~~ Dec 80

July 81

Sept 81

Very bad  
Arthritis  
cannot grasp -  
cannot hardly  
walk

[Ken Douglas] - go out and inspect 20 hangers  
lost 4-5-6 units, has been reporting a lot more  
logs.

Face Stanbough (phonetic) waste process  
aka- 236 "that man"

10-12 people. non softy related going.

Interview

[Keith A. Douglas  
Ernest W. Mercer]

QA Welding Monitoring  
Welding Inspector (Piping)

Steve Montcastle  
Bruce Giles - (unrec'd w/ re)  
Ken Stanley - "

[Marc Tallon] QA inspector / weld  
control - welders have complained to  
him

[Gilbert De Barros  
Reggie Faulkner -  
Shiela M. Freeman  
Gene G. Tingen]

QA welding Inspector

Weld control + surveillance

Shiela M. Freeman

QA welding Inspector

Gene G. Tingen

QA welding Inspector



[Edith C. McDonnell]

Welding Inspector - Fab Shop - Structural  
HUAC - inbeds - mostly in Shop

Sometime ~~was~~ about 4 months ago - [Bill Pierce] (phonetic)  
said that [ ] was inspecting hanger for floor.

about 1 month ago, [Terry White] asked if had heard  
anything about [ ] - not inspecting - She asked 2  
workers, <sup>who work in FAB</sup> for hangers if they had ever heard.

2 people that consider reliable sources - one designer,  
said that [ ] is no different than any other.

Montcastle  
Perrin  
Tingert  
Fischer  
Terry White  
Jill McDonnell

discussed  
asked for an example in  
the field ~~person~~ could do  
it, about [Montcastle] who  
said something about training -  
but, in her opinion, did not  
have much substance.

12-15-81

[Steve W Mountcastle]

QA <sup>welding</sup> Inspector -

hanger, all tray, HVAC

3 1/2 years at Harris

Welding for one year, civil life that

from Sept 1980 to Jan 1981 - undergoing training  
and spent about 45-50% of time (60 hours week)

going around up doing inspections. After about 2  
months, L had me inspect the welds for about 50-2  
hangers which were located primarily in the RAB ~~etc~~  
elev-236 and 507c 190. He had me inspect

mostly inaccessible ones mostly near the ceiling. I  
placed the aluminum ladder out. QA accepting step  
near the wall. <sup>would fill out the weld data sheet if done by him</sup> if one requested, I would go down and  
test L and he would have and the specimens to  
construction. I did this alone until the end  
of January 1981 when I was certified then I  
started doing inspections by myself

\* L had the incident up out, mostly up L had etc  
I would go when they said something etc

[Kenneth B. Starke]

Sept 8, 1981 - present

QA Inspector - inspecting seismic pipe

Hangers  
Certified early November

Level 1 - 80 hours OST

Certified welding inspector

Training given by fellow welding inspectors + [Tony White]

[Steve Masten] [ ] you OST

about 70% [Montana] } 10-12 hrs  
30% [ ] } actual OST

stay welding background  
certified in Mid-November

Never worked on Saturdays while undergoing OST

Mostly RAB 261 while OSTing - mostly  
cable tray

work for about 1 month on pipe hanger  
before took test for certification

\* never absent - on floor every day all day, weekend  
inspector

[Caril R. Stone] 12-16-81

pipe fitter

Waste Process - 8-9 mos to present  
never seen ~~any~~ any inspector

[Kemp T. Davis]

pipe fitter helper -

Waste Process - 1 year

checked all welds - got off floor about  
3-4' - there was no help one to  
check.

[J.M. F. Lynch]

Waste Process since late May 1981

inspector -  
Reviewed for 4 months - accompanied QA welding  
inspector -  
accompanied in Jun 1981, - was OK. May  
look at welds close up.

12-16-81

[Henry

A: welder]

welder T-20

Waste Process - 1 1/2 years

3 years w/ Daniels

man had a welder not visually look at the  
welds.

---

[Donald M. Shargots]

welder T-117

RAB. Common

believes people reluctant to talk because  
they are their welds.



Interview of Welder

[Chin A. Brigman]

[Foreman crew - P-17]  
RAB Common building

had no complaints from crew about any welder  
inspector. Never witnessed any inspectors with  
inspector. Mostly work piping. Only hazard  
only on in the bridge label from welder only  
16' to ceiling.

[Samuel J. Whitlock]

pipe fitter - work pipe - usual inspector see  
[Sheldon Freeman] + [Tingler]

[Willie H. Martin]

welder - no grabs - no exposure to

[Danny B. E. Bradford]

pipe fitter - 12 years no exposure to  
good Q14 inspector

[Robert L. Grant]

works bridge mostly + pipe - mostly pipe in RAB  
common - only 1 exposure to - if worked  
for heat - no inspector

[Andrew W. Richardson]

welder - has done only back welds - no  
problems with any welder inspectors.

[Fanny M. LAZARUS] - just registered in - has not made a  
perfectly - just registered in - has not made a  
fit

[Joseph F. Newsom] - just registered about  
under -

[Fanny L. Whitcomb] - 3 yrs. -  
RTA common - 8 to 9 mos.  
perfectly - no exposure to Root

[Jenny B. Starves] -  
perfectly kept - no problems -

15-17-81

[Jerry J. White]

foreman - [Goss] asked if the hanger had been inspected and the foreman had replied that it had not been. There was no review of documents prior to Marshall being brought to attention and etc. There was no review of documents CCH-342.

interpretation is that once the welding inspector who is supervising is satisfied that trainee is doing the inspections in a satisfactory manner, then is OK for that ~~inspect~~ trainee to inspect the hanger welds but he cannot sign the ~~old~~ ~~forms~~. Only the qualified inspector can sign the inspection forms.

EXIT - Kelland Parsons - PLANT MGR  
Aisleigh Lucas Senior Resident Engineer

~~Inspection~~  
if any of these are so many signs. then will can be  
in 3 sides with the 4 sides.

status of work is what state sign -

Review - Benjamin Patterson Hugger

When inspecting hangers with [ ] 75% of the time I would  
stay on the floor and inspect the hangers <sup>with</sup>. This was true for the  
hangers on left and for those immovably. I would go  
on the station, filled out, and I would inspect and  
place the station. I always initiated the work on  
the ADR - from QA 34 and the traveler. This was  
primarily in the CAB 236. I would estimate to inspect  
at least 100 hangers by myself. I never followed  
any and looked at the work. I would estimate this  
was during the month of ~~November~~ <sup>October</sup>, 1981.



Walden

12-15-01

"CASH"  
Eustion J. Carr

Foreman - Daniels P-21 crew -  
RAB 236  
Supervise 12 people

Walden <sup>normally</sup> not in a part of to down the inspectors

don't work Saturdays when alot of work by inspectors  
for most part they handle all inspection requests, no  
later than noon Friday. Part of problem has to do with by 10  
2. This is so walking inspectors can inspect on weekend

no complaint other than sometimes would see requests  
by \_\_\_\_\_ and Walden complaining about it. That  
about 6 months ago, a work problem came out  
that would have to be based on the gaps (result  
of re-inspection) bays. Walden complained about work  
size.

[Joseph J. Strickland]

~~with~~ fitter Daniels RAB since March 1981.

only complaint is about weld size.

[John A. Owens]

Welder - pipe fitter RAB 1 - since August 1980

several weeks ago heard rumors that NCC might be going down on him because someone speaking rumors that ~~was~~ someone told the NCC that he was not inspecting the weld, he was just sticking on.

Maybe because some welder has been had welds rejected. [Owens] has had a few turned down - about 3 weeks ago and the one before was about 8 months.

Considered fair by [Owens]

about 2 months ago rejected about 5.6 out of 7 in.

[Charles "Chuck" G. Robinson]

RAB welder -  
since Dec 1980

\* has weld 190-260 etc. No rejects by any inspector.

William W. Boster

pipe helper - fitter helper -

John G.F. Goodsell

new summer inspecting -  
do not know

Gary S. Peck

had seen 1 month ago that \_\_\_\_\_ was passing out  
sticks to welders and they were placing them on the hanger  
new summer inspect -

\* Heard that on the weekend, a welder goes with the  
projector and places the sticks on the hanger. No  
further detail

Kim M. Newton

welder - RAB

Ben N. Nijoye

welder RAB

Feb 81 - a few reported when started but none  
seen -

about 1 month ago people began complaining about  
welder inspecting by the street.

Ricky D. Symank

welder RAB

5 months  
Report about 3 months ago - seen  
when first - had some sticks in containers

Frank D. Warlick  
Welder - RAB  
2 units

Allyce T. BOHAN  
Fireman P-35  
RAB A236  
Welder -

never heard any complaints about inspectors not inspecting welds. I ~~do~~ receive complaints by welders. No complaints about

Wally T. W. Jenkins  
welder - P-35

RAB - sr. for 16 mos.

about 2 months heard rumors that hangers were being inspected from the floor no additional details.

Has inspected hangers with Saturdays and evenings. A few of them were heard to get to stage to provide account + more hangers. + on weekends some

Marshal Dudley Topham

Welder P-35  
for one month at home  
has only

John C. Woznick  
Welder P-35

Since Nov 1981 (7 mos)  
heard rumors that ~~was not~~ inspecting welds. had report to many times and always seen him inspect

Thomas K. Meredith

welder

2

2 months - Harris nothing.

Genl. Freeman

Ray V. McLeod - 3 years Harris only legal that began weld inspector during left on rangers worked alot of Saturdays with rangers inspectors

\* on Saturdays would have someone come in and help the welding inspector move ladders and get scaffolding put up.

The guys who help on some Saturdays blood & gear

- 1. Chuck Holman
- 2. Gene Colby - out today
- 3. Whely Jenkins
- 4. Wayne (George) (fitter)

personally observed on Saturdays but never seen on another

Saturdays that welders work is when these people are present to help.

for last 4-5 weeks inspectors have been coming in by themselves.



Waste Process

William B. Surber

9-14 1 1/2 years as welder  
Waste process int. time

Row A. Gardner

Foreman for intake

Thomas Smith

1 1/2 years

William C. Lynch

8 months

Allan Ben Giles

worked at Avon June 1978 - Sept 81  
CP+L

Tony W. [unclear] (Supervisor)

QA technician

First welding inspector

of anything, [unclear] was to not-fucking - not fully  
aware of Avon's codes - thinks did a good job inspecting

certain that never heard any rumors about [unclear] gun-  
dealing.

\* Suspected on Saturdays, other areas, only some  
hanger inspections. Helmut [unclear] several times and  
never observed him not working around scaffolding

Belin sometimes would come by to get materials in and out  
but never seen him by off work up looking at them.

In early September 1981, [unclear] was working [unclear] [unclear] on  
scaffolding in [unclear] [unclear] had a bad case, [unclear] [unclear]  
but he was able to perform his duties. [unclear]

Always try to get the easy hangers down low - he was  
the change the hanger leader - the only one who stays  
w/ hangers.

When he worked up [Montecito + Coles],  
could try to take the better lower hangers

[Don Crispino] <sup>left late August or early Sept</sup>  
(phonetic) - was another inspector  
<sup>may be in New York.</sup>

Remember time saw <sup>up on scaffolds which</sup>  
early through contract. Worked hard on w/c  
in September on HVAC.

When Paul in 2<sup>nd</sup> inspection he was being a lot of  
rejections - October 1988 - told that Jan 81 -  
did a lot of rejects.

Surprised that <sup>name has been brought up</sup>  
in opinion, as <sup>to make the adequate</sup> adequate  
inspector at Hoover.  
- real part

~~will be away~~

[W. D. ...]

12-16-81

[David L. Cauble]

welder

P-35 RAB 216-236  
4 yrs David's  
2 yrs welder  
1 yr P-35

1/2 - 2 months ago - heard rumor that during hunger  
from floor - heard from another worker

Opinion is that turned down a wife + some got mad  
at him.

worked w/ on Saturdays many babies + scissors -  
he did get up and move around - 2-3 months ago

[Roger Wayne George]

Superintendent - 7 years  
April 1984

P-35 crew April 1981 - Present  
April 1980 - Dec 1980

Several Saturdays  
AFTER work several times

always doing job

rumor about 1 month ago when CPT-L started  
doing survey rumors about that L - was coming from  
floor. found out situation and changing well... / possible

[I # 776 155]

Box 551 Lot 20  
Spartan, NC 27336

2-16-81

Foreman Joe Steinbaugh  
yellin

Nancy C. Sutton

Welder - Daniels P-2Φ

1 year - waste process elev- 236

[Kim Norton] heavy set like 20" - RAB  
units for that furnace

[Kilgore, James] Fuel Handling <sup>now</sup> - pipe fitter helper  
did work on 236 elev. waste process

[Gary Wilbore] - did cut 3 in waste process

[Mike Brantley] pipe fitter - [Sutton] group

Pool Station 3 - [Brendal] - her husband has some  
knowledge

[Nancy] 1st part of summer or late spring  
inspector was working with me on a Saturday. I would give  
me QA stickers, already filled out and should have me  
go up the scaffolds, ladder or pipe I could not get to  
them have some put them on. At one time did a fork  
of the wheels. I observed him put out his jaw.  
This is all pipe. Did about 120-140 pipes. The  
it only 6" - 8" and with L - Other people have told  
me that - - does not inspect the wheels.



12-16 81

[John A. Brinckock]  
Welding Supervisor

non safety related BOP - non coded items  
with Daniels.

[ ] links for senior welding Engineers

Waste groups + RAB

1 <sup>3</sup>/<sub>4</sub> years on site

May 81 - beam spinning  
of RAB. Several weeks

[ ] Nancy Suttard

[ ] Gary Wilborn - ~~was used by~~

12-16-81

[Robert D. Strickland] (Construction Inspector)  
Mechanical Inspector - CI group

CP+L employee

Lead man for group --

started hearing comments about long walking or non-safety  
related welds in West Process? Started looking at  
welds and found several with accept stickers on them

~~The welds requested on the list to the welds found~~

but later showed Geo. McQuinn and Joe was  
starting to show a lot of attention of welds that  
could 4-5 were repaired next time looked

The ones they looked at that were really bad were  
repaired about 2 weeks ago.

All non safety related.

[H. D. Stewart] identified most of welds.

12 16 81

[William H. Perez]

CFA Welding Inspector CFA + L

1 1/2 years

Structural welds

Has worked extraordinary during reconstruction of hangers.  
on Interprimary during reconstruction work  
and at hangers.

did this for 3 months - was not certified - only let  
paperwork Oct 80 - JAN 81

certified Feb-81

never inspected any welds before certified

\* worked almost exclusively with [Finigan]  
with [Gintrest] worked with [ ]

[ ] did, it went to work with [ ] that  
would be hard to go up high and [ ] would  
have to go

C.T. - works for [ ] in containment

~~\*\*\*~~

Green - welder, now in containment - brought  
to attention to [ ] frequent to [ ]

worked 1D - Light ~~30-35~~ 30-35, had been  
must be 6' 2" 100 lbs. work for

[ ] - after hours [ ] [ ] [ ]

\* Did see [ ] = being inspected for [ ]

X

MIKE E. Bradford

pipe fitter - DANIELS

Waste Process 18 months

States that about 4-5 months ago, was assisting

QA welding inspector, Bradford was holding the

charts and was inspecting the welds. Total at about 100 welds that day. This was on a Saturday. Were by

selves. Checked about 100 welds total. On one

occasion, there was some approx 3/4" stainless pipe and

it was about 20' high. He just ~~about~~ he showed his flashlight on the pipe and gave chart to Bradford.

Did not sign any charts when inspected. Did it

later he assumes. Was out of non safety fign

12-16-81

Clyde F. Green, JR

welder PF26 hangers  
formerly working in Waste Process

was told by Wally Suttard and a welder named  
Freeman - that Port not inspect, just give stickers  
cannot remember of Freeman.

Donald A. SANDS - DANIELS - Technical  
Services Limited - temporary assignment to  
CP+L QA welding

Welding inspector  
In approx late September 1981 was doing pipe hanger  
inspections with Wally several evening also  
read out welds, Sands climbed around + inspected. On  
a Saturday, Sands said I was inspecting pipe hangers  
in RAB 236. It was on a Saturday. I went up and  
looked at a weld on a hanger <sup>brace</sup> which was welded on  
three sides only. The top was not welded. I  
told the to ' , there was another brace to the same  
hanger 6' away. I told that I would not get  
to it <sup>standing on the floor about 25' below</sup> should be flushed out at end and set



Welders

James D. Foster

P-20 Fitter

236 Waste Process - 6708,

In all cases has looked at welds - crawled around and done his work.  
always on pipes.

This is the one whose weld was rejected for undercut on pipe -

Daniel

Carl Martini

- welder

Daniel's

P-20


Waste Process

NO rejects - had one that was bad, and sticker on it. as OK

Dennis P. Freeman

welder

Waste Process

He showed  walking around with a stick of sticks ~~and~~ would shine flashlight on pipes and have line plan. All of this ~~was~~ pipes were kept in waste process. Never saw him actually by the way. This was about 2 months ago.

reported CP+L Harris  
received did one week of required training, took 5  
tests and was certified based I had 10 years  
of welding inspection experience and had previously  
been certified in AWS, AWS2, ASME, NDE, and  
stick welding. I am certified in everything except  
RT.

started  
Reinspection of October 1980 ~~beginning~~ in October 1980.  
I was sent the plans with

working the reinspection  
we used the checklist provided by engineering. The checklist  
inspecting the welds for various numerous cosmetic defects,  
many of which did not affect the integrity of the  
weld.

for example, spatter, no strike, welder symbols  
in heat affected zone, etc. We told ~~about this~~  
after about 1 month several times and we told him we  
had found so many he said to start putting the  
information on the drawing. We then started putting reject  
on the checklist and engineering would evaluate.  
Prior to this we would reject the hanger only if the  
cosmetic defects were flagrant because the checklist  
did not require it and we were not really looking for  
it. Many of the hangers <sup>welds</sup> were rusted and I would find ~~it as a part of~~  
it. I worked mostly with ~~it~~

Board w/ my trust. Let's work out

Once <sup>you</sup> certified then he went on his own.  
Some U.S. testing job-shoppers came in and they were  
qualified and they would conduct inspections on their own.  
After reinspection <sup>of pipe hangers</sup> ~~was~~ <sup>completed</sup> sometimes around approximately  
Feb or March 1981. I then went to dedicating out  
most of my time to reinspection new pipe hangers. I did  
~~the work myself~~  
the for majority by myself until 11-16 81 when  
<sup>and other inspectors</sup> started helping me. <sup>During the summer months I got a very</sup>  
<sup>had lots of activities and had to get the foreman</sup>  
<sup>to have someone more familiar with scaffolds. They have my</sup>

Sometimes around April 1981, <sup>supervisory</sup> Elness started  
sending revisions for the reinspection of pipe hangers. ~~for~~  
The utility inspectors were required to sign off the new  
revisions even though utility was not required. Sometimes  
it would just require signatures. I would go down and  
look at the hanger to make sure it was still there  
before signing off the new revision. It was not  
required but I wanted to make sure the hanger was  
still there <sup>and not get down</sup>. This went on for ~~several~~ <sup>about</sup> 3  
months. all over the plant & access was available

I would send a welder or fitter up to place  
a sticker on the pipe hanger. I have not had any  
revision other than pipe hangers. In waste process <sup>on the piping I am</sup> had only  
required to conduct a final <sup>inspection</sup> ~~the other instance of~~ to go  
~~and look out for~~ There were pipe hangers in waste process,  
I had quite a <sup>few</sup> of revisions when I just had to look  
at the pipe hanger.

Regarding the inspector trainers, I checked with the  
boss, <sup>and</sup> asked him if I could  
~~have the trainers~~ <sup>with the trainers</sup> ~~look at the will.~~ He said we could  
see them to look at the will symbols and whatever  
else was obvious. This meant to me the committee  
I was looking for. ~~He would not be there~~ I wish to state  
only that I was with them. ~~They would come to me~~  
The trainer would look at the will and if it was acceptable,  
I would sign off the paperwork.

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS <i>Howell - Atkinson</i>	FILE NO <i>2F029</i>
	CONFIDENTIALITY REQUESTED    YES    NO	DATE <i>6-30-81</i>
		TIME <i>3:00 PM</i>

SUMMARY

DISCUSSED EIS ACTION IN THE EVENT THAT THE ALLEGER DOES NOT PROVIDE WRITTEN INFORMATION AS PREVIOUSLY AGREED UPON (SUSPENDED FOR 7-10-81).

IF INFORMATION IS NOT RECEIVED, EIS WILL ATTEMPT TO ASCERTAIN THE IDENTITIES OF THE ALLEGER AND A SECOND INDIVIDUAL REFERENCED BY THE ALLEGER.... EIS ACTION TO COMMENCE ON 7-17-81.

PREPARED BY *[Signature]* PAGE 1 OF 1

DATE  
*7-1-81*

ACTION REQUIRED

REVIEWED BY \_\_\_\_\_ DATE \_\_\_\_\_



MEMORANDUM TO CASE FILE

TYPE ACTION (X) RECORD OF CONVERSATION ( ) CASE REVIEW / STATUS ( ) OTHER	PARTICIPANTS Howell, Williamson, Nick Economos and an anonymous allegor  CONFIDENTIALITY REQUESTED      YES      NO	FILE NO. <b>2F029</b>
		DATE 6/22/81
		TIME 11:10 - 11:55 a.m.

SUMMARY

EIS received an anonymous telephone call 11:10 - 11:55 a.m., 6/22/81, alleging improper cadwelds at Shearon Harris nuclear plant (SHNP), New Hill, NC. The caller informed me that our conversation was being recorded.

The allegor (a male sounding voice) refused to identify himself, however he did state that he is currently a welder for Daniels Construction Company at SHNP. He continued by saying that he represents an informal group of welders who have "made bad rebar cadwelds in the containment building" now under construction at SHNP. He stated that each individual in this group has performed improper and unsafe welds. In response to questions, the allegor stated that the welders acted individually, in some cases simply taking shortcuts to get the job done faster. However, many individuals in the group have become fearful that so many improper welds have been made that it may constitute a serious safety problem. He stated that <sup>the welds</sup> there was no management complicity and he is certain that management personnel are not aware of the seriousness of the problem.

PAGE 1 OF 2

PREPARED BY J. C. Howell <i>JCH</i>	DATE 6/23/81
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ACTION REQUIRED 1. Open case and suspense for two weeks 2. Notify R.C. Lewis of allegation and suspense	
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REVIEWED BY <i>Chas. Anderson</i>	DATE 6/23/81
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## MEMORANDUM TO CASE FILE CONTINUATION SHEET

Regarding QA/QC personnel, the allegor stated that again he feels there is no complicity, but that the inspectors are not checking the welds properly and sometimes are not checking them at all.

The allegor stated that he is quitting his job soon, returning to school to become a crane operator, and plans to return to Daniels in that capacity. He stated that he and other members of the group are convinced that they will lose their jobs if Daniels' management discovers how they have been welding and for this reason they all prefer to remain anonymous.

When requested to provide specific locations and dates of improper welds, the allegor answered only in general terms saying that they are "everywhere" or that "all of them are bad". He stated that there is an individual whom he knows to possess a list and sketch that reflect the location of "bad welds". He stated that he was going to approach this individual and encourage him to contact us with this information. He refused to divulge the other individuals identity except to say that on February 8, 1980 he had received a head injury from a piece of steel as a result of a "bad weld".

Again the allegor was requested to provide more specific information. He informed us that he was going to return to the other members in his group and discuss the situation further. He agreed to contact Region II EIS by letter following his meeting within two weeks of this conversation. He stated that he may identify himself and meet with Region II investigators at that time.

FILE NO

DATE

6/22/81

TIME

11:10 - 11:15 a.m.

PAGE 2 OF 2

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MEMORANDUM TO CASE FILE

TYPE ACTION (X) RECORD OF CONVERSATION ( ) CASE REVIEW / STATUS ( ) OTHER	PARTICIPANTS Alderson	FILE NO. 2E035
		DATE 7/29/81
		TIME 9:57 a.m.
CONFIDENTIALITY REQUESTED      YES      NO		

SUMMARY

[ ] call<sup>ed</sup> the office and wanted to talk to Mr. O'Reilly. He refused to give his name to the secretary and did not wish to speak to an investigator. The secretary passed the information on to me, I returned the call and asked if the individual would speak to me. He agreed to do so and provided the following information. He had just left employment with [Daniels Construction Company] at the Shearon Harris site after three and a half years of employment. When he left he was the \_\_\_\_\_ in charge of the \_\_\_\_\_ shift. made the following allegations:


1. On the 211-Elevation in the core key area of containment against the primary wall, protective coating<sup>s</sup> were being applied. Water was coming out of cracks and construction joints in the concrete. Allegedly a substance referred to as "congresive" (~~concrete~~<sup>phenolic</sup>) which was described as a combination of epoxy and sand was used to fill the cracks. Even though there continued to be some amount of water seap<sup>erch</sup>, the eleven-5 coating was put on anyway. There are three concerns related to this-
  - a. The alleg<sup>er</sup> believes that the (congresive) is not to be used below the 246-elevation.
  - b. The alleg<sup>er</sup> believes he saw a letter from the project engineer to the resident inspector or directly to the NRC which said that PAGE 1 of 4

PREPARED BY C. E. Alderson	DATE 7/29/81
-------------------------------	-----------------

ACTION REQUIRED

- 1 Open case
2. Prepare letter to alleg<sup>er</sup>
- 3 Prepare memo to Conlon cc to Lewis and A. Gibson

} Hunt  
 Vaise

REVIEWED BY 	DATE 8/3/81
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## MEMORANDUM TO CASE FILE CONTINUATION SHEET

epoxy was used below the 246-elevation.

- c. The allegor does not believe that the 115 coating will cure properly when applied over moisture.

The allegor stated that the concrete [ ] and the construction [ ] know that the epoxy was used. He further stated that the finisher [ ] (last name unknown) and the concrete finishers (names unknown) would be aware of this.

2. In Zones 3 and 4, dry pack (or dry patch) was used to patch "bug holes" (areas where placement form <sup>the</sup> rods had been cut off). This material started crumbling and a CP ~~impersonated~~ L inspector (Joe Tis) checked it and had the work stopped. The [ ] had to write a report on this matter. The general foreman was instructed by an individual name [ ] and another individual name [ ] to get a hold of the inspector [ ] and use anything short of physical force to get him not to document this problem. According to the allegor, the deficient material was eventually covered with grout and the surface was coated. [ ] is believed to be working for <sup>Bechtel</sup> ~~Bechtel~~ at a nuclear facility in [Louisiana] at this time.
3. The resident inspector (George Maxwell) came on site at approximately 1:00 a.m. to inspect coating application. The resident inspector over heard a CP&L construction inspector and a coating foreman in a heated discussion regarding instructions not being clear. The resident inspector allegedly stayed all night and then went to the resident engineer (Lucas) the next morning and told him painters had complained about vague instructions which resulted in poor workmanship. The allegor is concerned that the whole crew was in trouble because of this.

FILE NO.

DATE

7/29/81

TIME

9:57 a.m.

PAGE 2 OF 4

## MEMORANDUM TO CASE FILE CONTINUATION SHEET

4. The allegor stated that whenever a problem is found, rather than go back and correct it, a Field Change Request (FCR) is issued to avoid the original specification. Some of these are taken care of onsite rather than going back to the person or organization that approved the original specification.
5. Waterproofing had been applied to the side of the turbine building and the area backfield when it was necessary to dig up part of the area to put in some conduit, thus exposing the waterproofing. Water got behind the vinyl liner and [redacted] ordered [redacted] to replace the vinyl liner that day. [redacted] explained that it could be done in one day and [redacted] then told him to cut holes in the vinyl liner and drain the water, and then to put mastic over the holes. [redacted] allegedly refused to do so without some sort of written authorization, so [redacted] wrote an FCR and [redacted] did the work. Later an individual went to [redacted] and said that he had to get the FCR back or there would be trouble. [redacted] returned the document but supposedly retained a copy.
6. Approximately 1½ years ago on the second shift a concrete placement of approximately three thousand yards was being made on reactor building no. 2 at the 211-elevation in the core key area. A cold joint developed and [redacted] (CP&L) and [redacted] the [redacted] told [redacted] to put concrete over the joint. The allegor stated that the concrete was hard and [redacted] told him to put a vibrator on it and blend it. The allegor identified the following individuals as witnesses:
- 
7. Non-seismic gate guides were used at the intake structure when seismically qualified gate guides were required. The allegor believed that an FCR may have been issued on this.



## MEMORANDUM TO CASE FILE CONTINUATION SHEET

8. Concrete was poured over an area which had not been clear in accordance with procedures prior to the ~~core~~<sup>pour</sup>. According to the allegor this occurred in an exterior wall in the fuel handling area and involved an area of approximately 3 to 4 square feet from which dirt had not been cleaned prior to the pour. A concrete inspector was alleged to have been aware of this; however no name was provided.
9. On the 236-elevation in the Northeast corner of the fuel handling building in the wall between the fuel handling building and the commening building sheet metal welded to seismic plates are touching reinforcing bar which may lead to damage of the reinforcement due to ~~pathic~~<sup>cathodic</sup> action.
10. On the 236-elevation of the RAB building there are series of small rooms with motors inside. Sandblasting was performed in these areas without sufficient protection of the motors and they now have sand inside them.

During the conversation the allegor also addressed a concern related to movement of gama radiography equipment by the radiography technicians. Specifically the camera had been lower on a rope some 30 or 40 feet passed workers and the allegor felt that they may have been exposed. I explained the operation of radiography camera to the allegor specifically with regard to the stored position of the source. He had no further concern regarding this matter after hearing my explanation.

Throughout the conversation the allegor repeatedly requested confidentiality in this matter; however, he indicated that if criminal charges arosed from this matter, he would testify if he had to.

MEMORANDUM TO CASE FILE

TYPE ACTION <input checked="" type="checkbox"/> RECORD OF CONVERSATION <input type="checkbox"/> CASE REVIEW / STATUS <input type="checkbox"/> OTHER	PARTICIPANTS	FILE NO.
	<i>Vorse &amp; Conlan</i>	<i>2F035</i>
		DATE <i>08-11-81</i>
CONFIDENTIALITY REQUESTED    YES    NO		TIME

SUMMARY

*I spoke to Tom Conlan and showed him the statement of concerns. He advised that Jack Harris will be going to Shearon Harris in the first week of September, 1981 and will address the issues. The one unresolved item is whether or not an investigator will accompany him.*

PAGE 07

PREPARED BY

*Vorse*

DATE

*08-13-81*

ACTION REQUIRED

REVIEWED BY

DATE

*12*