

OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency: U. S. NUCLEAR REGULATORY MISSION

Title: INTERVIEW OF: STAN DRIVER

Docket No.

LOCATION: WAYNESBORO, GEORGIA

DATE: MARCH 28, 1990

PAGES: 1-19

ANN RILEY & ASSOCIATES, LTD.

1612 K St. N.W., Suite 300

Washington, D.C. 20006

(202) 293-3950

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Page	Line	Correction and Reason for Correction
2	16	I+C (Instrument and Controls); Clarification INC wrong.
2	22	off site power and on site power had been lost, clarification
3	18	Chemistry instead of KIM; Clarification.
3	22	GET Truck Training should just be GET Training I believe.
3	24 & 25	If being escorted he would not have GET training unless Blue bodged.
5	23	Mid Loop incident instead of (stint).
5	10	I was not aware of the specific 5? minute requirement in the situation of March 20; however I was aware of mid-loop RHR problems and consequences.
7	4	Instrument and Controls instead of INC. (Clarification)
7	6	Instrument and Controls and some work planning personnel also attended (clarification)
7	14	I was asking a question (The Contractors?) Not saying that the contractors had received Training.
7	24	Instrument and Controls instead of INC.
9	19	I think they would remember the RHR Mid Loop training. I did not hear or remember the statement on Line 7 of being really sensitive at mid loop because I knew

ADDENDUM TO INTERVIEW OF S. D. Driver
 (Print Identity of Interviewee)

Page	Line	Correction and Reason for Correction
7	19	(cont) we covered being cognizant of air, water leakage, etc. but not the word perturbations (Clarification)
11	4+5	we are trying to follow the TSD" format ; clarification.
12	3	V.C. Summer instead of D.C.
12	6	V.C. Summer instead of D.C.
13	4	"and" instead of in Admin. Controls
13	23	Emergency Plan Overview instead of Plant overview
17	11	plan of the day instead of plant.
17	16	we would need to define few I don't think there would be much delay in most cases especially on RCS or RHR etc., items without ops being notified. All jobs I have been on ^{while performing management observations} we have gone by to notify ops prior to starting.

U. S. NUCLEAR REGULATORY COMMISSION

INTERVIEW OF:

STAN DRIVER

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Main Conference Room
Administration Building
Vogtle Electric Generating Plant
Waynesboro, Georgia

Wednesday, March 28, 1990

The interview commenced at 10:37 a.m.

APPEARANCES:

On behalf of the Nuclear Regulatory Commission:

WARREN LYON
GENE TRAGER
BILL JONES
GARMON WEST, JR.

On behalf of INPO:

PAUL DIETZ

P R O C E E D I N G S

1
2 MR. WEST: We are here at Plant Vogtle regarding the
3 IIT investigation of the March 20th event at the Plant.
4 Today is March 28th and the time is 10:37 a.m.
5 Whereupon,

6 STAN DRIVER

7 appeared as a witness herein and was examined and testified
8 as follows:

9 EXAMINATION

10 BY MR. WEST:

11 Q We would at this time like the interviewee to
12 introduce himself and tell us a little bit about his
13 position here at the plant.

14 A I am Stan Driver, Plant Training Supervisor. I am
15 primarily involved in the maintenance skills areas,
16 mechanical and electrical INC, quality control and fire
17 protection training. I have been here since, I believe,
18 August of 1983.

19 At the time of the event I was in a staff meeting
20 with my manager and the other supervisors. We were notified
21 that we were in the site area emergency off-site power and
22 on-site power, and other than accounting for my personnel
23 and standing by at the training center, I had no other
24 involvement.

25 Q I know to some degree your work has to do with

1 training. Does your work knowledge of training here at the
2 plant cover the area of trucks being on --

3 A No, not necessarily. The only -- I do not know of
4 any training concerning the driving of trucks or
5 requirements of driving a truck.

6 Q Is it that there is none here at the plant, or is it
7 that there is someone else that would be more knowledgeable
8 in this area? I'm just trying to get a better --

9 A I don't know of any training for truck drivers at
10 the plant. Now the core group might have some and David
11 Moncus might be able to help, but I don't know of any.

12 Q We can certainly follow up in that area.

13 BY MR. DIETZ:

14 Q Do you also deal with the general employee training?
15 Is that in your area?

16 A No. General employee training is not in my area.

17 Q Who deals with that?

18 A Mr. Mike Kurtzman, K-u-r-t-z-m-a-n. He's the HP KIM
19 and general employee training supervisor.

20 Q A truck driver that would come in through the gate
21 and have a guard with him all the time, would he necessarily
22 have a GET truck training?

23 A Not if he was signed in as an escort. I would not --

24 Q If he was being escorted --

25 A If the security office was escorting. I do not know

1 how this situation was. I don't know. I would think -- I
2 don't want to speculate.

3 BY MR. LYON:

4 Q The kinds of training you do, does that involve any
5 of the people who might be involved in doing things inside
6 containment?

7 A Yes.

8 Q Would any of these folks ever get involved in like
9 opening the equipment hatch or moving things like manways on
10 the reactor system?

11 A Georgia Power Company maintenance mechanics, yes.

12 Q And that would come within your scope?

13 A Yes, sir.

14 Q Okay. Your people would also be involved typically
15 in the maintenance of instrumentation within the containment
16 and also in the control room?

17 A That's Georgia Power Company, yes.

18 Q Were any of your people involved in those kinds of
19 things during this event?

20 A I do not know for sure. I assume they were, but I
21 do not know. I have not talked to any of them specifically.

22 BY MR. DIETZ:

23 Q Do you provide any training on how to mechanically
24 lower the equipment hatch? Say you have a loss of power to
25 the crane, etcetera.

1 A No, to my knowledge there is no specific training to
2 that individual task at this time.

3 Q Are you aware of any difficulties in being able to
4 do that?

5 A I am not, no. I know we train our people to rig and
6 the crane operator has a qualification check list. That I do
7 know.

8 Q Are you aware of the need to be able to put the
9 hatch on within 57 minutes of an event occurring?

10 A Yes, I am aware of the problems with RHR in mid-
11 loop.

12 Q Is there training provided to be able to insure that
13 you can meet that 57 minutes?

14 A Without getting into specifics, I'm not sure what
15 you mean as far as to meet that 57 minutes.

16 Q I guess I'm wondering what kind of training you've
17 gone through in putting the equipment hatch on. Is that a
18 task that's under -- that people are qualified to do in
19 terms of rigging and setting up or --

20 A That was not a task that was identified as being --
21 required to be trained at the time we developed the program.
22 Now, we did training for Georgia Power maintenance personnel
23 in 1988 on the Diablo Canyon mid-loop stint and we did
24 training on the concerns of being at mid-loop and some of
25 the things that you should know about as a maintenance

1 person for mid-loop operation, but it did not --

2 Q How about tasks associated with --

3 A No.

4 Q -- that were going to have to be done while at mid-
5 loop if an accident happened?

6 A No, did not.

7 Q And nothing doing with steam generator manways or
8 any of the buttoning up that might have to occur?

9 A No specific task that I'm --

10 BY MR. LYON:

11 Q Did you cover anything such as the number of bolts
12 that would need to be placed in the hatch locations out
13 there?

14 A No.

15 Q You mentioned mid-loop, and I kind of chuckled.
16 Probably everyone is aware of some of that. I understand
17 that there's been a lot of emphasis on that. Do you and
18 your people get involved in things such as a training
19 awareness of not perturbing anything while you were in mid-
20 loop or -- and if so, what does that involve? You came
21 prepared. You've got a briefcase full of stuff.

22 A This is what we gave to the Georgia Power people --
23 the contractors in my --

24 Q Let me, if I may, would you identify that for the
25 record please?

1 A This is the continuing training RHR mid-loop
2 operation for general employees Lesson Plan 8800200C. It
3 was taught in 1988 for maintenance personnel and mechanic,
4 electricians, and I believe the INC people also attended
5 this. I will have to verify that. I know mechanics and
6 electricians did and QC personnel.

7 Q This document is dated August 8th and August 9th,
8 1988.

9 A Right.

10 BY MR. DIETZ:

11 Q Now, what people would not have gotten this, before
12 we get into it? Westinghouse people that were working in
13 there would not have.

14 A The contractors.

15 Q What kind of contractors did you have on site here
16 that probably did any work?

17 A I don't know who was in there so I would say the
18 Westinghouse personnel, and I do not know who else was in
19 there. I don't know the people that were involved in the
20 buttoning up of the hatches or the lowering of the manways.
21 I do not know who they were. So I can't say who they were.

22 Q But the training did not provide anybody but Georgia
23 Power mechanical people --

24 A Mechanical, electrical INC and QC.

25 Q -- the training?

1 A Right. And anyone that came in after December of '88
2 would not have gotten this -- that was not qualified prior
3 to December of '88 because it was not identified as 1989
4 continuing training materials. We might do it again this
5 year. If you would like, I will read the objectives.

6 MR. LYON: No, we can review those kinds of things
7 separately. We will be asking for a copy of that, but we
8 can get hold of that.

9 BY MR. LYON:

10 Q So let me make sure I understand. This training was
11 last conducted in 1988?

12 A Right.

13 Q And has not been conducted since that time?

14 A That is a true statement.

15 Q Has there been any refresher training, or was it
16 this in 1988?

17 A This in 1988.

18 Q And all of your people then had that training at
19 that time?

20 A That were here and qualified in 1988.

21 Q What do you mean by qualified?

22 A I mean had been initially qualified, met the
23 requirements for the procedural training requirements.
24 It varies from discipline to discipline.

25 Q I understand.

1 BY MR. DIETZ:

2 Q This was done as part of the continuing training in
3 1988?

4 A Right.

5 BY MR. LYON:

6 Q At that time did they cover the need for avoiding
7 perturbing anything or being really sensitive when you were
8 in a mid-loop condition? Do you recall? If your memory is
9 as bad as mine, you may have trouble remembering.

10 A I don't remember without going through the lesson
11 plan and looking to see exactly what was covered.

12 Q That's fine. Would you judge that your remembrance
13 of this is perhaps representative of the other people on the
14 teams that were in that?

15 A Are you talking about the people that were in the
16 class?

17 Q Yeah, and the people that are doing this work out in
18 the plant?

19 A I don't know if their memory would be as good
20 because I deal with it on a day-to-day basis, and I have
21 answered questions to other people about what we did for
22 continuing training in 1988. So I do not know that their
23 memory would be quite as good as mine. I would hope that it
24 would be, but I don't know.

25 Q Do you, when you are in the process of doing

1 maintenance operations, really pay any attention to whether
2 the plant has just been shut down or whether it's been shut
3 down for a month and a half or two months other than
4 radiological kinds of things?

5 A I'm not sure I understand the question.

6 Q Okay. That's fair.

7 A Hit me again.

8 Q Sure. I don't want to hit you too much. You're
9 bigger than I am. If the plant has just shut down and
10 there is a high DK heat load and things -- if something goes
11 wrong and cooling to the core is lost, it will heat up more
12 rapidly than the case later on.

13 A Yes, I understand.

14 Q And do you folks in your training and in the
15 operations that you perform treat things any differently
16 under those two time conditions, knowing that early on if
17 someone makes a mistake the consequences may occur more
18 rapidly than later on?

19 A I don't think we specifically discussed it in that
20 text, no. I would not think that we addressed it quite that
21 detailed.

22 Q Okay. Do you interface with people in a similar
23 position in other plants?

24 A Yes, I do.

25 Q Do you recall ever having discussed these kinds of

1 things with those people, and if so, would your feeling be
2 that the way you do things here is pretty much
3 representative of the other kinds of plants?

4 A From the standpoint of how we address things that
5 are trying to follow the TSB format, yes, we do that. We
6 group our task different from even the way that Plant Hatch
7 does theirs as far as the overall program, yes, and I'm
8 trying to remember, and I don't remember the plant, but I
9 sent a copy of this lesson plan to at least one plant, and I
10 can not remember which plant it was.

11 Q A plant other than at your utility with Georgia
12 Power?

13 A Right. I don't remember which plant it was right
14 now. I don't remember if it was Farley, Surrey, or -- I
15 don't remember, but I did send a copy to at least one and
16 maybe two, of this very lesson plan. So --

17 Q Have they sent similar kinds of things to you?

18 A Oh, yes. We share information. I talked with my
19 counterpart yesterday, and --

20 BY MR. WEST:

21 Q Do you remember if you got a response in terms of
22 sending the lesson plan?

23 A No, I don't. To my knowledge I did not get a
24 response other than probably he received it, whoever it was.

25 BY MR. LYON:

1 Q You were starting to say that you received something
2 from somebody at a particular plant?

3 A No, I got a call yesterday from D.C. Sumner asking
4 me about some training material, how we did something.

5 Q That's good to share experiences and things.

6 A We share a lot of material, in particular D.C.
7 Sumner and Hatch to a degree. I've sent some stuff to
8 Surrey because one of the guys that came and inspected me
9 with INPO that's there now.

10 BY MR. DIETZ:

11 Q Is there any other training in the last couple of
12 years that you provided that dealt with issues dealing with
13 this event that occurred for mechanics or electricians?

14 A Dealt with issues of this specific event?

15 Q Right. The mid-loop type of operation.

16 A Other than I could go back and look at what industry
17 events we covered in our continuing training for this year
18 and last year, but specific to this type of event, I don't
19 remember.

20 BY MR. LYON:

21 Q Does your training cover the interactions and the
22 operating people and -- for example, if you need to do
23 maintenance on a particular instrument in the control room,
24 does your training cover the process that one goes through
25 as far as what your technician should do, or does the

1 technician simply go in and fix whatever instrument needs to
2 be fixed and leave?

3 A We discuss the -- We have a course entitled, "Safety
4 in Admn. Controls," and I'm not sure of everything that's in
5 there. It discussed procedure 350, which is the maintenance
6 work order. And we also have a course called "Maintenance
7 OQAP," for Georgia Power people. These are courses -- I'm
8 dealing strictly with Georgia Power that describes how the
9 maintenance work order satisfies the 18 point criteria, and
10 it covers who must authorize work and who must release work
11 and how this is done.

12 BY MR. WEST:

13 Q Does this area deal with what's appropriate,
14 inappropriate, if you have an accident of some kind? I'm
15 thinking specifically of an electrical kind of accident?

16 A No, I would not think that was covered in detail.
17 It might be mentioned, but it would not be covered in
18 detail.

19 BY MR. DIETZ:

20 Q Is there any training on what's appropriate in an
21 emergency? In other words, what people can do or not do
22 once the plant gets into some kind of emergency condition?

23 A That's covered in our emergency plant overview as to
24 what should be done, and that's covered in, basically, in
25 general employee training.

1 BY MR. LYON:

2 Q Do you know if one of your people was working on
3 instrumentation in the control room whether an operations-
4 type would remain with that person all the time?

5 A I would think that they would not be with them.

6 Q And the same would be true of a valve in containment
7 or cut in the plant or wherever?

8 A No, there would not be. You are talking
9 specifically an operator type person?

10 Q Yes. For example --

11 A No.

12 Q Typically in my experience operation people are the
13 only people that are allowed to manipulate valves that are
14 considered to be operable.

15 A That would be the general consensus, yes.

16 Q That would be the same practice here, but once that
17 valve is released to be maintained, then your people are
18 free to do whatever needs to be done with that valve?

19 A Depending on how the subclearance is written.

20 Q I understand.

21 A It might have a limitation that -- I shouldn't
22 speculate. It might be that the valve has to remain closed
23 or something. It might be an electrician or something
24 working on a valve and he might not be able to operate it,
25 but he might be able to check the switches on it and just

1 not operate it.

2 Q Right.

3 A Usually when you have a subclearance issued to
4 maintenance, to the best of my knowledge, there are no
5 limitations, but I don't know.

6 Q One last question and I will be quiet, and that's
7 timing. If you are asked to perform a particular repair,
8 are your people trained -- Let's say it's in something to do
9 with the reactor coolant system and the HRH system,
10 something like that. Are your people trained to contact the
11 control room at the time they initiate that work?

12 A They must go -- The form, I believe -- I'd have to
13 look in safety and admn. controls for exactly what would
14 say, but I believe the foreman has to go sign on the
15 subclearance, and until he has signed on that subclearance,
16 he can't release it to his people to work. So he has to
17 interface with the support shift supervisor.

18 Q Okay. Now, let's suppose he does that --

19 A Right.

20 Q -- and everything is set up --

21 A Right.

22 Q -- and then some people get sidetracked. Could they
23 come back, say, a day later and initiate the work at that
24 time without going back to the control room and saying,
25 "Here, we've started this"?

1 A I do not know. I don't know if that's a practice or
2 not.

3 Q All right. Let me go on the end of the thing and
4 you find the same situation. Once the work is
5 satisfactorily completed --

6 A Right.

7 Q -- would the people in the control room be informed
8 immediately, or would again that be delayed for some time?

9 A It could be delayed. I can see how it could be
10 delayed, but the final notification is whenever that foreman
11 releases his subclearance. The foreman -- For some reason
12 the crew may finish the work and he's got to go out and
13 verify the housekeeping or he's got to go out and verify to
14 his satisfaction the work has been completed. So there could
15 be a delay, but when he releases the subclearance, the work
16 is completed.

17 Q And the control room is certainly made aware of it
18 at that time?

19 A Right.

20 Q That's the understanding and perception that I
21 needed.

22 A As far as once the work is released to the foreman,
23 I don't know what kind of delay could be built into there.

24 Q I understand.

25 A I would not think a lot, but I don't know.

1 Q The reason that I'm asking, for example, is that I
2 was at a plant some time ago where the clearance to begin
3 work was received from the control room. The work was
4 started on the order a day later. The control room wasn't
5 aware the work was ongoing and some mistakes were made and
6 they weren't aware these people were doing these kinds of
7 things and it complicated their job a lot. Whereas, if there
8 is a timely kind of a thing and they know this is ongoing,
9 that is a suspect location. So that's what I was pursuing
10 there.

11 A The POD, plant of the day, is tracked fairly
12 closely. They have POD meetings daily. So --

13 Q That would tend to prevent that in a gross sense?

14 A Right.

15 Q But perhaps a few hour perturbation could occur?

16 A Right.

17 Q That's the way I'm reading that. Is that accurate?

18 A To the best of my knowledge.

19 MR. WEST: We're at the end of our time allotted.
20 Does anyone have any remaining questions?

21 (No response)

22 BY MR. WEST:

23 Q Let me just ask quickly, if you will, does your area
24 of training cover anything to do with whether employees or
25 individuals driving vehicles -- Does it get into that at

1 all?

2 A No.

3 Q To your knowledge is there any training that is
4 provided here for contractors that come into the plant
5 whether they are driving vehicles or not?

6 A Whether they are driving vehicles or not? Nothing
7 other than general employee training and anything else that
8 may be prescribed, or asked for, by the people they are
9 working for, and that could be a wide area.

10 Q I see. Okay.

11 BY MR. DIETZ:

12 Q Let me say again, in the area of training for
13 contractors, if we bring mechanics on, then the maintenance
14 department is responsible for identifying the qualification
15 training that's needed for those people?

16 A That's true.

17 MR. WEST: Thank you very much.

18 (Whereupon, the interview was concluded at 11:05 a.m.)

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C E R T I F I C A T E

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This is to certify that the attached proceedings before the
U. S. Nuclear Regulatory Commission in the matter of:

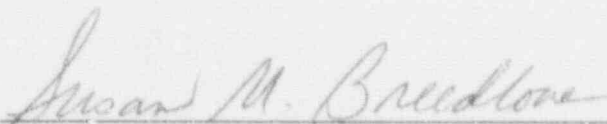
Name: Investigative interview of
STAN DRIVER

Docket Number:

Place: Vogtle Nuclear Generating Plant, Waynesboro, GA

Date: March 28, 1990

were held as herein appears, and that this is the original
transcript thereof for the file of the United States Nuclear
Regulatory Commission taken stenographically by me and,
thereafter reduced to typewriting by me or under my
direction, and that the transcript is a true and accurate
record of the foregoing proceedings.



SUSAN M. BREEDLOVE
Official Reporter

Ann Riley & Associates