

I-MCSBA-9A

DOCKETED
USNRC

INT. EXH. 9 A
'95 OCT 20 P5:09 TAPE 10
DATE: 3-23-90

GPC/NRC version

OFFICE OF SECRETARY
DOCKETING
LOCATION: Engineering Conference Room
3rd Floor Service Building
OCCASION: Event Critique Team Meeting

SEGMENT #1
TR. 22-23

BRINEY: They vent anyway. If they start coming up on their setpoint, they start to vent. Just reaching up there and feeling them, they are blowing air. When they actually trip, they blow [GPC:(inaudible)] [NRC: ape], okay? So if he just went up there and felt the air, and it was just barely venting, you know whether it was approaching its trip, or has reset, okay? And if you're trying to completely reset, to pinch it off. These are the worst temperature switches you've ever seen in your life. They're junk. I don't know whether we need to advertise that or not, but if you ever looked at the calibration process for these temperature switches you'd say, "How the hell can we put this on something like a diesel."

KOCHERY: These CALCON switches have a lot of Part 21's on them, you know. (Inaudible) switches (inaudible). Unfortunately, none of them say -- lube oil pressure switches is one of them.

NUCLEAR REGULATORY COMMISSION

Docket No. 50-424/425-OLA-3 EXHIBIT NO. II-9A
In the matter of Georgia Power Co. et al., Vogtle Units 1 & 2
☐ Staff ☐ Applicant ☒ Intervenor ☐ Other
☐ Identified ☒ Received ☐ Rejected Reporter 59
Date 10/6/95 Witness

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1 SEGMENT #2
2 TR. 27-28
3

4 FREDERICK: Can I ask a question before we go ahead?

5 On the repeatability, once you do get it set, have we demonstrated
6 in the past that it drifts from that setpoint?

7 BRINEY: When you calibrate these things, you take three
8 sets of data and [GPC: take an average of the three] [NRC:
9 (inaudible)].

10 FREDERICK: Yes. But have we demonstrated in the past
11 that once we get this average value and we put it in service, that
12 it subsequently drifts way off from where [GPC: its set to] ^{NRC:} [it
13 sets it]?

14 BRINEY: It's difficult to tell. No, I don't think that
15 we've gone out and tried to recalibrate [GPC: them again] [NRC:
16 (inaudible)]. I don't know how many sets of data [GPC: on it]
17 [NRC: unit] you would take.

18 HOLMES: Typically do we go back and recalibrate them?
19 Do they always require recalibration?

20 BRINEY: Always require recalibration or replacement.

21 HOLMES: Because they are off.

22 MOSBAUGH: Do you use this tapping procedure?

23 BRINEY: Since the RER came back in "88", I think we
24 (inaudible) we did, we've used that tapping procedure. Prior to
25 that, no, we did not because the vendor did not give us the
26 information. Its hard to tell with them because they are such
27 junk.

1 MOSBAUGH: In which direction does the switch tend to
2 behave if it was in normal service without the tapping procedure?
3 Do you understand the kind of question I'm asking?
4 BRINEY: Yeah. I understand, but I'm not sure whether
5 I can -- I think [GPC: that the] [NRC: if that] possibility exists
6 one could behave in either direction.
7 MOSBAUGH: Okay.
8 [Inaudible conversation.]
9 HOLMES: But the next time you go back and try to
10 calibrate these same sensors essentially every time that you go so
11 far as recalibration, [GPC: the cal is never sat (i.e.,
12 satisfactory)] [NRC: whenever the cal is in a relapse].
13 BRINEY: Especially on jacket water. Especially on a
14 jacket water. We wind up replacing the switches quite often.
15 [GPC INSERT
16 HOLMES: Jacket water pressure and temperature?
17 MOSBAUGH: The CALCON switch is used on both?
18 NRC INSERT
19 VOICE: Are CALCON switch is used on both?
20 VOICE: I understood (inaudible) ... we've gone
21 through this.]
22 BRINEY: There isn't a whole hell of a lot of data
23 to go back and look at.
24 VOICE: Right.
25 BRINEY: Historically, we've always had problems
26 with jacket.

1 CASH: How -- if we take these sensors out and we
2 take them to the shop, are they difficult to install and remove?
3 I mean, on that, can the calibration be messed up in the transit?
4 BRINEY: You can say that about every calibration
5 that we do, Jimmy, but, you know --
6 CASH: I'm just asking --
7 BRINEY: When it comes to temperature switches,
8 really the best way to calibrate them is to remove the damn thing,
9 bring them back into the lab where you've got a controlled
10 environment to perform the calibration (inaudible) a pressure
11 switch or a transmitter or something like that.
12 * * * *

1 SEGMENT #2A (NRC INSERT)
2 TR. 33-34
3

4 HOLMES: Has another RER been written since they [i.e.,
5 CALCON] gave us that revised procedure? Has any other action been
6 initiated to say, hey, we still have to solve it folks?

7 BRINEY: I don't think so.

8 HOLMES: Are we just going to live with it?

9 BRINEY: Well, we get them to calibrate according to the
10 vendor's methodology. Now, whether or not they're still reliable
11 switches after that, I don't know. We [GPC: can] [NRC: can't]
12 comply with the vendor's procedure.

13 HOLMES: I would think, based on the fact that they had
14 failed after they had been calibrated several times, every time we
15 go back to recalibrate one, we have to recalibrate it or replace
16 it. They are never sat. They have a problem.

17 BRINEY: We've had temperature switches straight out of
18 the warehouse that we have been unable to calibrate.

19 HOLMES: We've got, it sounds like we've got a problem.
20 That's the -- to me, if they're related in that they're on both
21 diesels, then I think we need to try to draw a circle around this
22 one and attack this issue seperately from the other one, okay. I
23 think we've got another issue now to address and that's the
24 temperature switches.

25 VOICE: Do they show up in NPRDS in CESSAR?

26 VOICE: Not in the portion I read.

27 VOICE: Okay.

1
2 SEGMENT #3
3 TR. 40-41
4

5 BRINEY: Well, you're asking me to go back and calibrate
6 all the sensors again. I just got through calibrating every single
7 one of them.

8 VOICE: That's right.

9 COURSEY: Cal -- what do you call it?

10 KOCHERY: Calcon.

11 COURSEY: Calcon. And you know they're going to be off
12 anyway, right?

13 BRINEY: Chances are. Yeah.

14 KOCHERY: And you put it back, and quickly (inaudible).

15 [Simultaneous inaudible conversation.]

16 COURSEY: About all he's saying, he's saying again is
17 that what he's got to calibrate is a piece of garbage and he knows
18 they're all going to blow! (Inaudible.)

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