OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency:

Nuclear Regulatory Commission

Incident Investigation Team

Title:

Nine Mile Point Nuclear Power Plant

Interview of: ERIC HOFFMAN

Docket No.

LOCATION:

Scriba, New York

DATE: Tuesday, August 20, 1991

PAGES: 1 - 20

ANN RILEY & ASSOCIATES, LTD.

1612 K St. N.W., Suite 300 ' Washington, D.C. 20006 (202) 293-3950.

-9305-06-0317-

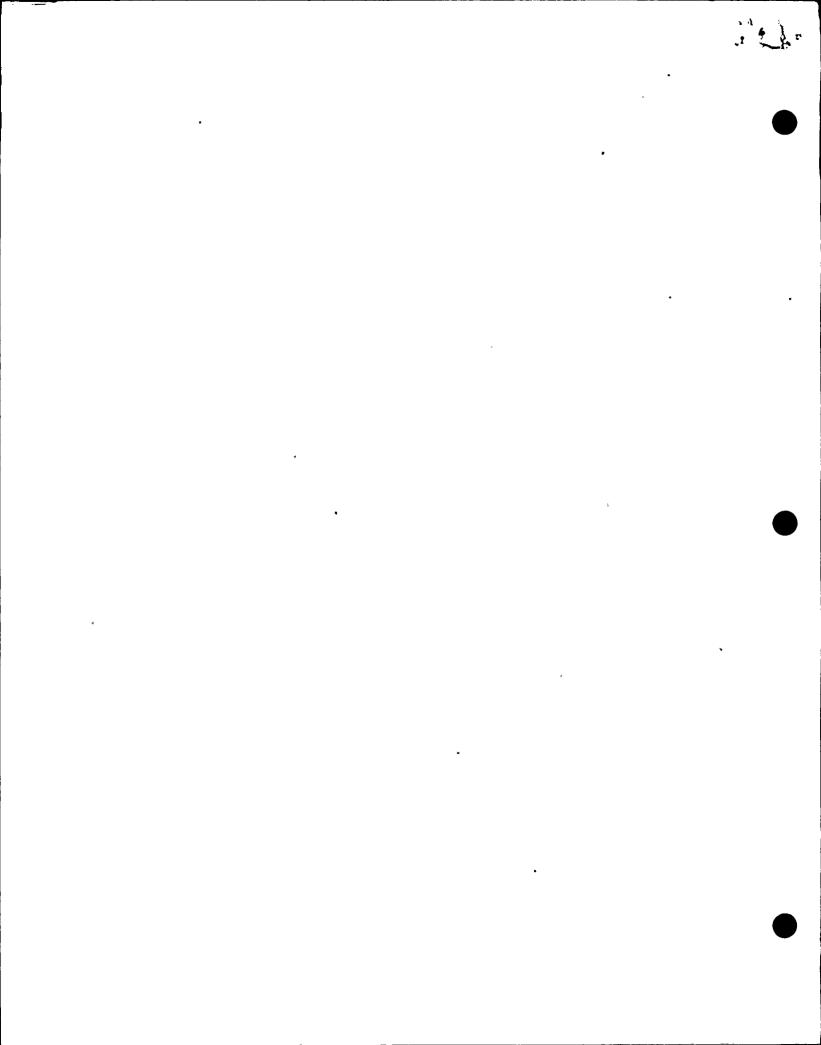


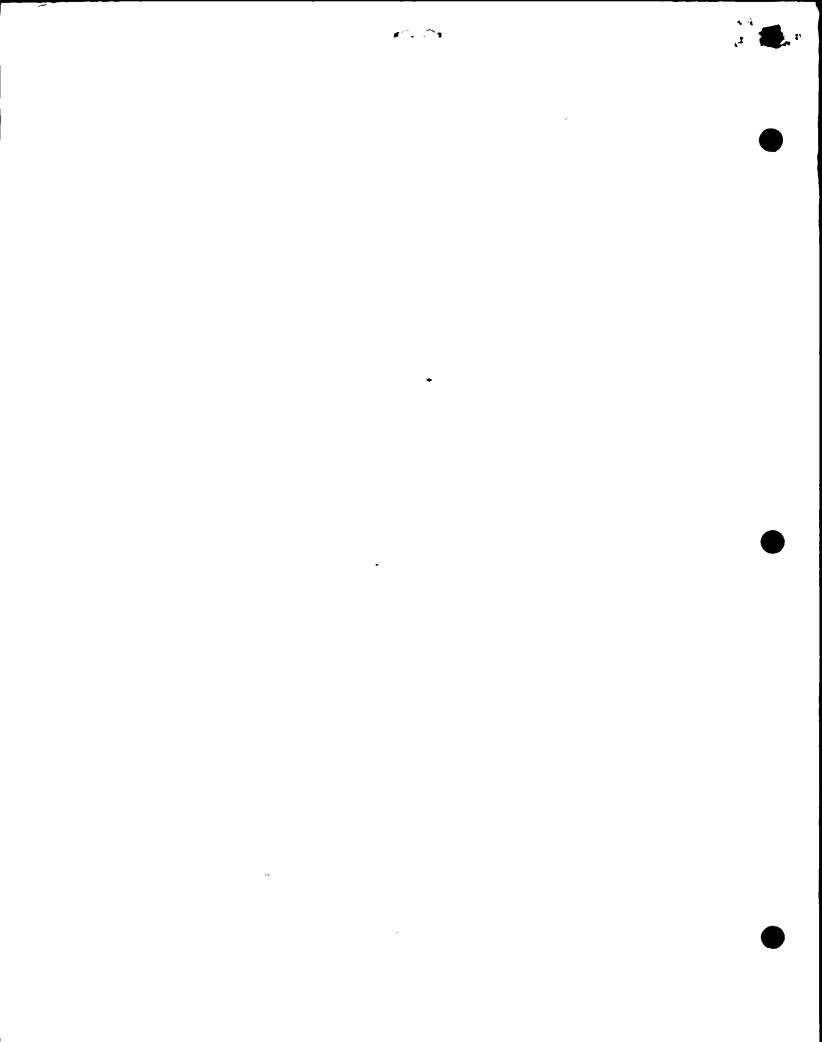
Exhibit 3-1 (continued)

-3-

ADDENDUM TO INTERVIEW OF EAG HOFFman NAOC (Name/Position)

Page	Line ·	Correction and Reason for Correction
4 4 4 5	8: <u>% 10</u> 25	Ctill 900 pounds till is not cightword. Wants to Strater up out to context. Lian planty tippedoffine out of context. Acic tripped we shur acic down to min flow / nut complete service of
10	ا ا کر عن	Licensed intrial officency. / what FSAid. to be revisized Stinger a wird: Brasically From the a little after ten + 1030. Scrince not complete.
1) 1)	გ <u>ა</u> - ჯა.	We Had introduction thave improper context One introduction down to the 261 million word.
13	14 17 21 3	when he actually mane the phone Gall missing word. We reported back for the guage next to mine. out of contest The rule into plant system at this time, word missing.
17	1L 2S	CUNTED COORS indication word missing First time word missing

Page of Signature Grain July Date 8 /22/91

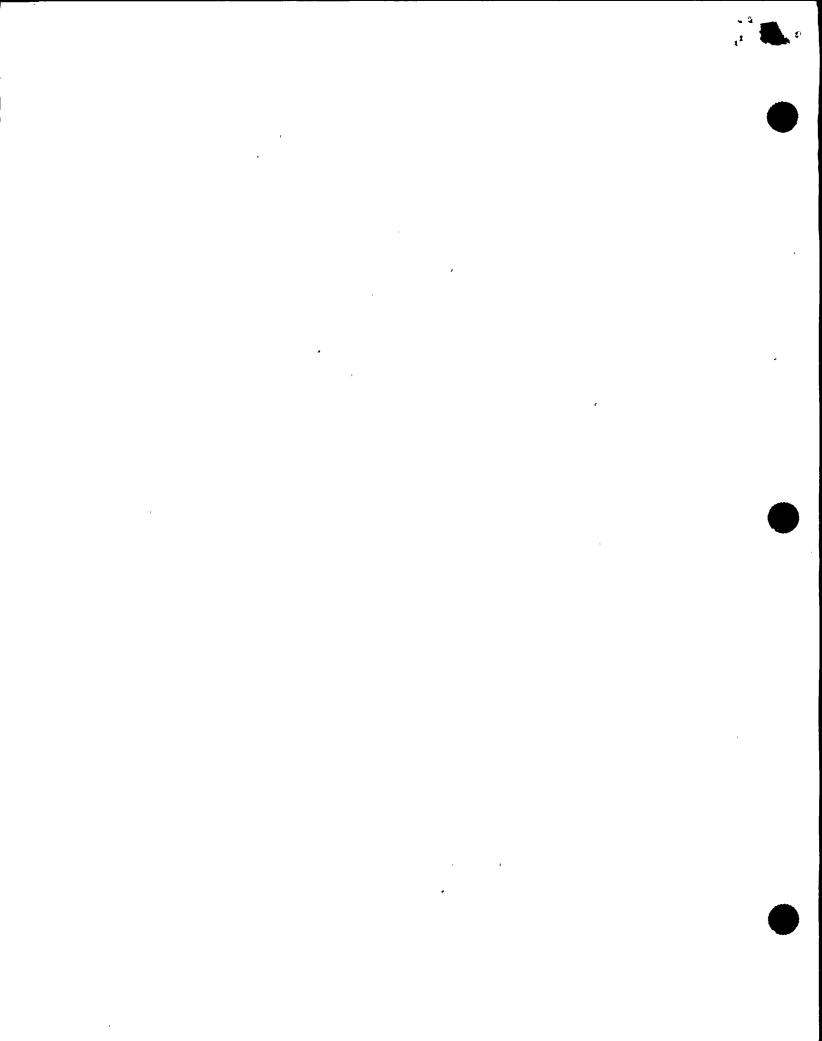


1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
3	INCIDENT INVESTIGATION TEAM
4	
5	
6	Interview of :
7	ERIC HOFFMAN :
8	(Closed) :
9	
10	,
11	Conference Room B
12	Administration Building
13	Nine Mile Point Nuclear
14	Power Plant, Unit Two
15	Lake Road
16	Scriba, New York 13093
17	Tuesday, August 20, 1991
18	
19	The interview commenced, pursuant to notice,
20	at 11:02 a.m.
21	
22	PRESENT FOR THE IIT:
23	Michael Jordan, NRC
24	Rich Conte, INPO
25	

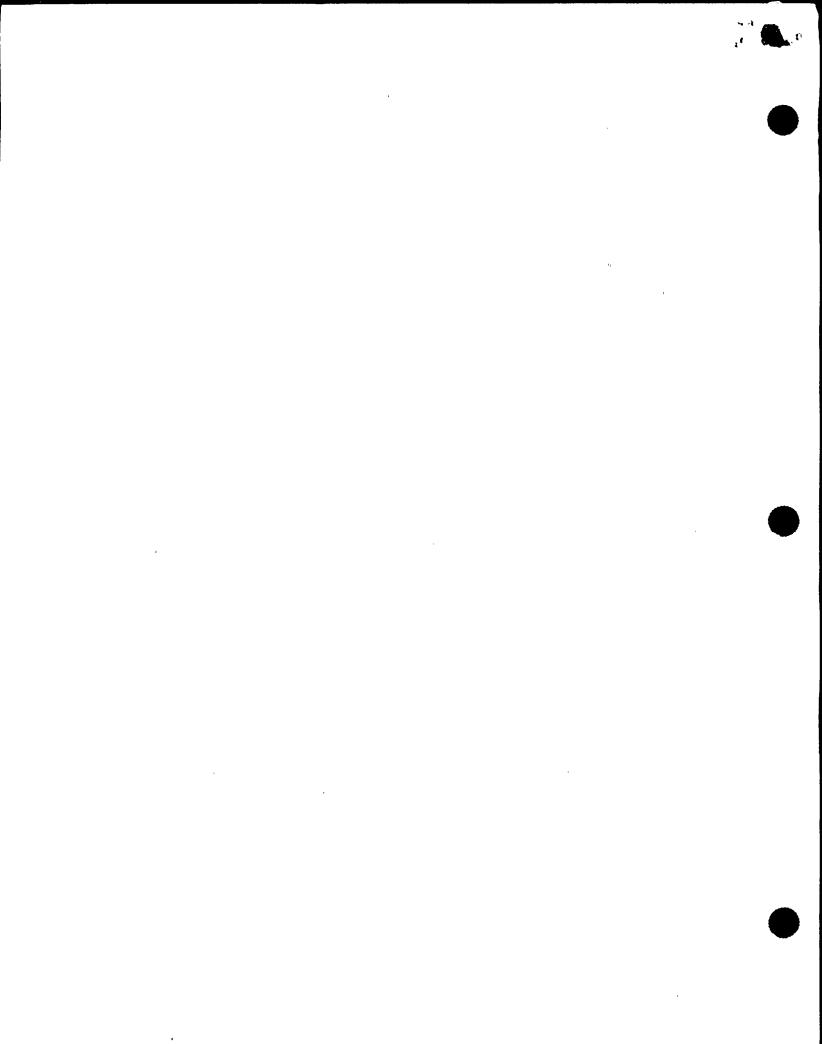
. • 1 , и

1 PROCEEDINGS

- [11:02 a.m.]
- MR. JORDAN: Good morning. We're at the Nine Mile
- 4 Point Unit Two, in the P building. It's August 20, 1991.
- 5 We're here to cover an event of a transient that occurred on
- 6 August 13, 1991. I am Michael Jordan. I'm with the NRC out
- 7 of Region III.
- 8 MR. CONTE: I'm Rich Conte. I'm a section chief
- 9 from Region I.
- MR. HOFFMAN: I'm Eric Hoffman, an auxiliary
- 11 operator C, Nine Mile Point Two.
- MR. JORDAN: Eric, before we get started, why
- 13 don't you just go ahead and give us a background of your
- 14 experience?
- 15 MR. HOFFMAN: I started in Nine Mile Two
- 16 operations back in 1984, during constructions days, and I
- 17 progressed through first fuel on site, startup and testing,
- into commercial run. Prior to 1984, I was in college for a
- 19 couple years.
- MR. JORDAN: Are you licensed, or are you not
- 21 licensed?
- MR. HOFFMAN: I am not licensed. I'm non-
- 23 licensed.
- MR. JORDAN: Non-licensed operator.
- Okay, Eric. Why don't you in your own words just



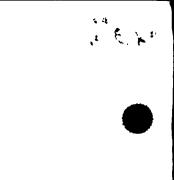
- 170
 - 1 give an idea of what you saw transpire when you came on
 - 2 shift during the event?
 - 3 MR. HOFFMAN: Okay. I was riding down the
 - 4 elevator when on the elevator we lost all lights. First we
 - 5 thought the elevator just go stuck, but it continued to come
 - 6 down. When the door opened on the 261 elevation, lights
 - 7 were off in that area. We then proceeded to go to the
 - 8 nearest here-here system --
 - 9 MR. JORDAN: What's the system?
 - MR. HOFFMAN: Here-here, PA system.
 - MR. JORDAN: Oh.
 - MR. HOFFMAN: -- to contact the control room to
 - 13 find out what was going on. We went to the PA system. It
 - 14 did not work, so we then proceeded to a site phone and
 - 15 contacted the control room. They told us that they wanted
 - 16 up upstairs immediately because they have lost indication.
 - 17 We then proceeded to go upstairs back into the control room,
 - 18 where I was then instructed to man reactor pressure level
 - 19 and reactor level gauges on the emergency core cooling
 - 20 system panels.
 - 21 MR. CONTE: Reactor pressure level and what?
 - MR. HOFFMAN: Reactor pressure and reactor water
 - 23 level.
 - MR. CONTE: Okay. Just those two parameters.
 - MR. HOFFMAN: Yes.



- 1 MR. CONTE: Okay.
- 2 MR. HOFFMAN: I think the first set of readings I
- 3 called off was a reactor water level of 175 inches, and
- 4 reactor pressure was 964 inches -- or 964 pounds; excuse me.
- 5 I then proceeded to keep on calling off numbers when I
- 6 noticed any decline or increase in either one, and continued
- 7 calling them off until we reached 159 inches water level.
- 8 The pressure was till 900, I think; I'm not exactly sure of
- 9 the exact number on it. The station shift supervisor
- 10 started up RCIC, had a licensed operator come over and start
- 11 reactor core isolation cooling, to inject water into the
- 12 vessel.
- We started RCIC in auto first, and then the
- 14 licensed operator switched over to manual, because it seemed
- 15 there was erratic control when it was in auto. He was
- 16 injecting; I was watching level. Level still was
- 17 decreasing; pressure still was decreasing. He continued
- 18 injection. Then I noticed a turn-around, where level
- 19 started to rise. I called off the reading to the SSS, which
- 20 he wrote down, and continued to watch level.
- Level continued on climbing, to the point where
- the licensed operator backed off on the flow of RCIC because
- 23 level was coming up. Level continued on rising, to the
- 24 point that the licensed operator -- we hit level 8, and RCIC
- 25 was already off line, basically; it was past min flow. We

•

- 1 went off-scale on the wide band recorder that I was reading.
- 2 Mainly I just kept on calling off pressures and
- 3 levels as the licensed operators were manipulating various
- 4 other systems to try to regain everything.
- MR. JORDAN: When the level was coming up, do you
- 6 have any idea of a time frame when the annunciators came
- 7 back on and the power came back?
- MR. HOFFMAN: I can't really remember, but I don't
- 9 think it was --
- MR. JORDAN: Before or after RCIC tripped?
- MR. HOFFMAN: RCIC didn't trip; we shut RCIC down.
- 12 It probably was like five, six minutes. I'm not positive.
- 13 To me that sounds about right, because I was still watching
- 14 level when it came back on.
- MR. JORDAN: Five to six minutes after, before?
- MR. HOFFMAN: Probably from the time that we
- 17 started RCIC to the time that the lights came back on.
- MR. JORDAN: Okay.
- MR. CONTE: Okay. Can you continue.
- MR. HOFFMAN: Basically, I was assigned to that
- 21 position and watching that when they tried to re-establish
- 22 flow and everything with the condensate booster pumps. Then
- 23 I was relieved of position as other licensed operators came
- on who were coming in for the morning shift.
- Then I was instructed to go down to the air

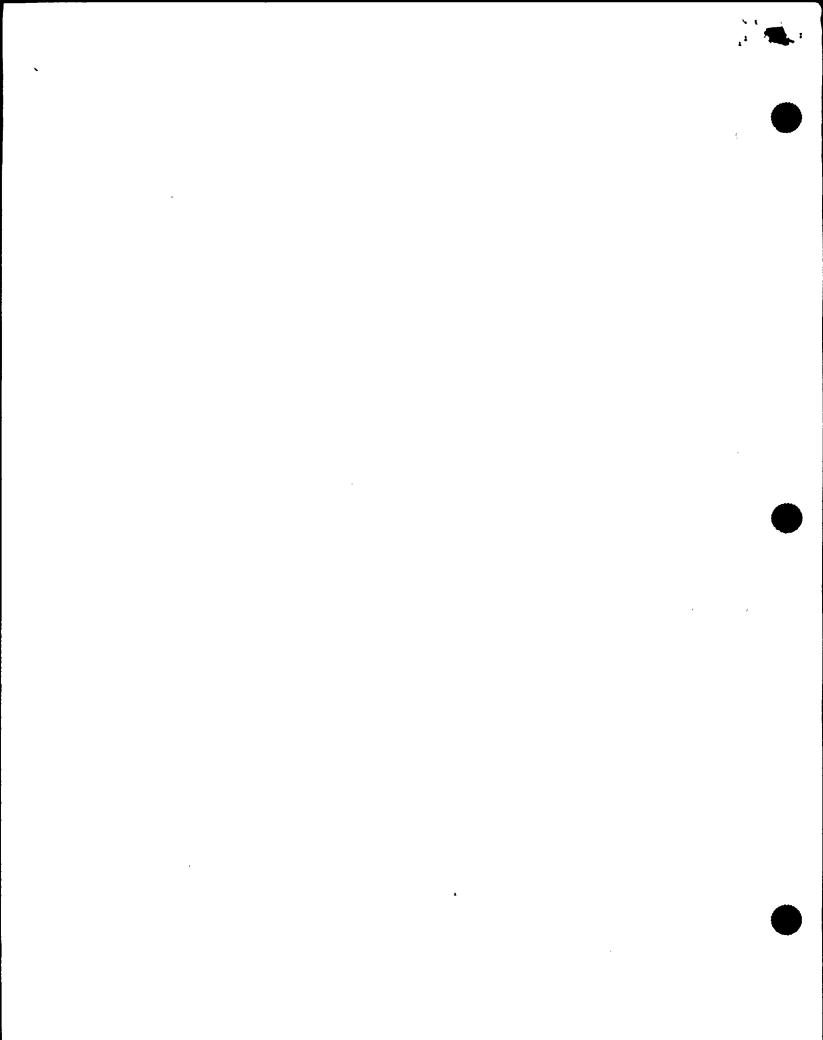


4

v v

- 1 removal system and make sure that was ready to go into
- 2 service.
- MR. CONTE: To make sure what was ready?
- 4 MR. HOFFMAN: Air removal system.
- 5 MR. CONTE: Okay.
- 6 MR. HOFFMAN: I was sent down to make sure that it
- 7 had proper seal water level, oil level, that they were both
- 8 able to be used to maintain condenser vacuum.
- 9 MR. JORDAN: That's what the air removal system is
- 10 for?
- 11 MR. HOFFMAN: To maintain condenser vacuum.
- MR. CONTE: These are the hoggers?
- MR. HOFFMAN: These are the hoggers, yes.
- MR. CONTE: Okay.
- About what time did you leave the control room?
- 16 The condensate booster feed pump attempt to start up
- 17 occurred around 7, 7:30. Were you in the control room at
- 18 that time?
- MR. HOFFMAN: Yes, I was.
- 20 MR. CONTE: So it was after -- Based on that time
- of reference, about how long after that?
- MR. HOFFMAN: I can't remember the exact time, how
- 23 long. I was in there for a while longer after that. I was
- 24 still reading level when they were controlling with the
- 25 condensate booster. I was reading the wide range, which was

- 1 coming down back on the scale again, and they had a licensed
- 2 operator reading narrow range over in another panel.
- MR. CONTE: Okay. You were down at the hoggers.
- 4 What happened next?
- 5 MR. HOFFMAN: I called the control room up to let
- 6 them know the situation with the hoggers -- they were ready
- 7 to be started -- and I was told not to go up to 277 because
- 8 there was a high rad annunciator in on the off-gas system.
- 9 MR. CONTE: Go up to 277 elevation.
- 10 MR. HOFFMAN: Turbine building.
- MR. CONTE: Because of a high rad?
- MR. HOFFMAN: High rad alarm was annunciated from
- 13 off-gas system.
- 14 That's when I turned around and noticed the
- 15 radiation monitors in the area. There was one 30, 40 feet
- 16 away from me annunciating also, alarming. I then proceeded
- 17 --
- MR. CONTE: What elevation?
- MR. HOFFMAN: I was on 250.
- MR. CONTE: And 250 is where the hoggers are.
- MR. HOFFMAN: Yes, sir.
- MR. CONTE: And there was a radiation monitor
- 23 around that?
- MR. HOFFMAN: Around the paging system I was
- 25 using, yes.



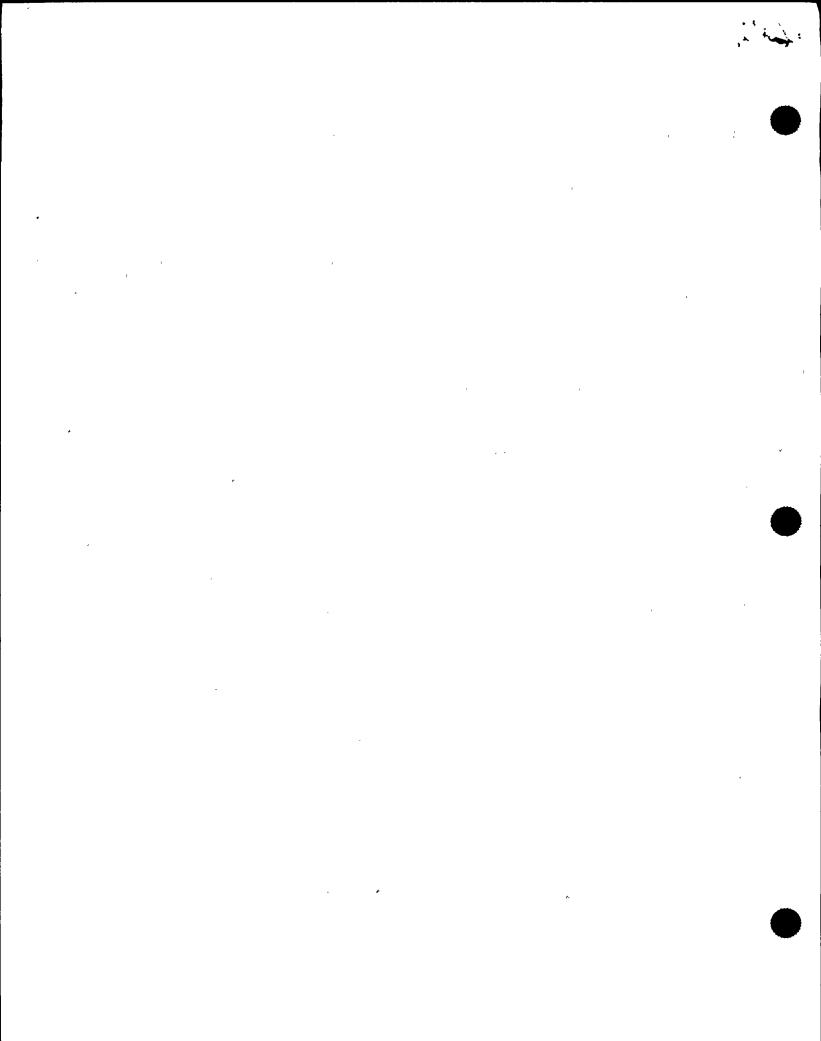
- - MR. CONTE: Is there a meter there, so you could
 - 2 tell what the --
 - MR. HOFFMAN: Yes, there was.
 - 4 MR. CONTE: Was that high?
 - 5 MR. HOFFMAN: No, it wasn't. It was reading 10 to
 - 6 the minus 1st.
 - 7 MR. CONTE: Was there an alarm?
 - 8 MR. HOFFMAN: The alarm light was going off, yes.
 - 9 MR. CONTE: And in your mind is that unusual?
 - MR. HOFFMAN: Yes, it is. I proceeded to tell the
 - 11 licened operator I was talking to in the control room the
 - 12 alarm was going off and I was leaving the area. When I
 - 13 walked past area I read the annunciator part of the meter
 - 14 for that radiation monitor to see what it was reading and
 - 15 proceeded to leave that area and ran past another radiation
 - 16 monitor that was alarming and read that annunciator's level.
 - Both of them were reading ten to the minus first.
 - I then proceeded up to the control room and
 - 19 explained what I saw down on 250 area to the licensed
 - 20 operator. He explained to the Chief Shift Operator what I
 - 21 saw where they made the determination to evacuate the
 - 22 turbine building until Rad Protection was able to go out and
 - 23 survey because even though they were reading low levels they
 - 24 wanted to make sure because the alarms were going.
 - MR. CONTE: Did anyone offer an explanation as to

, •

- 1 why the alarms were in versus the indication?
- 2 MR. HOFFMAN: Yes. Talking to a Radiation
- 3 Protection tech, me and him, just between the two of us,
- 4 thought maybe due to the fact that when the UPS's did come
- 5 back into service that they might have spiked the radiation
- 6 monitors, causing an alarm to come in and then, you know, as
- 7 soon as power was re-established it was reading normal
- 8 again, but when the power initially came on the surge of
- 9 voltage might have spiked the monitors.
- MR. CONTE: Is there a way we remove that alarm,
- 11 like hitting a reset button of some sort?
- MR. HOFFMAN: There is an acknowledge and reset
- 13 button but we were instructed per administration procedures
- 14 when we see alarm to get the reading and get out and report
- 15 it.
- MR. CONTE: Okay, continue. You got back to the
- 17 control room, made your report.
- 18 MR. HOFFMAN: Then we were in the middle of the
- 19 site area emergency where, you know, we were instructed to
- 20 make sure you were logged in, into the control room area
- and then waited for the next job, which basically from that
- 22 time, which is pretty close to by the time everything was
- 23 overwith and they figured out -- I think it was about 9:30 -
- and basically since our shift was all night and there were
- three other shifts, they basically just told us to sit down

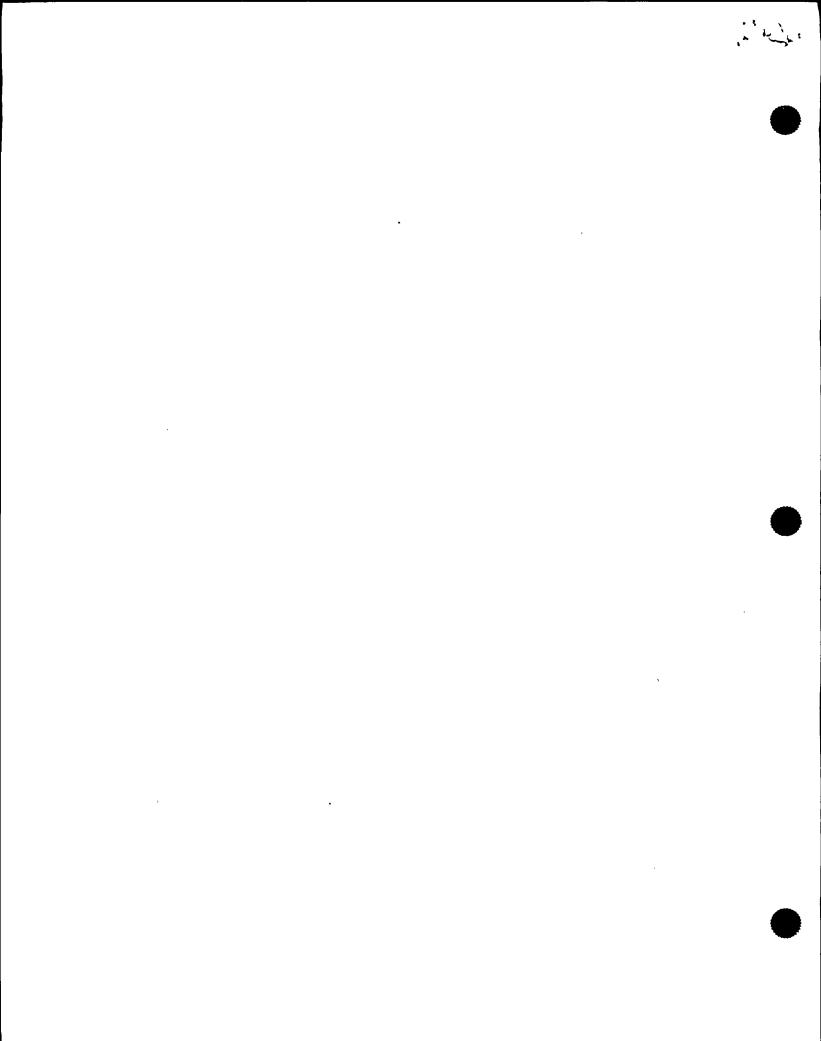
•

- - 1 and wait until the emergency was over unless we were needed
 - 2 to re-utilize --
 - 3 MR. CONTE: Wait where?
 - 4 MR. HOFFMAN: We were waiting in the control room
 - 5 and then we were instructed to wait over at the beehive,
 - 6 which is right across -- it's our staging area because there
 - 7 is too many people and they wanted to maintain decorum in
 - 8 the control room.
 - 9 MR. CONTE: What time did you get relieved and
 - 10 allowed to go home?
 - 11 MR. HOFFMAN: Eleven o'clock.
 - MR. CONTE: So you spent 9:30 to 11:00 in the
 - 13 beehive?
 - 14 MR. HOFFMAN: Closer probably like 10:00. I went
 - out and did a few minor jobs which were normal plant
 - 16 function jobs, if you want to call it that --
 - 17 MR. CONTE: Like what?
 - MR. HOFFMAN: I charged the air compressors on one
 - 19 of the diesels because we have to use a cross-tie on it and
 - 20 gasically from then about a little after 10:00 to 10:30,
 - 21 when they got permission from the EOF to let us leave, I was
 - instructed to wait in the staging area until I was needed.
 - MR. CONTE: Tell me something about this crosstie
 - 24 and the need to charge the emergency diesels?
 - MR. HOFFMAN: Yes. Diesel generators. We have

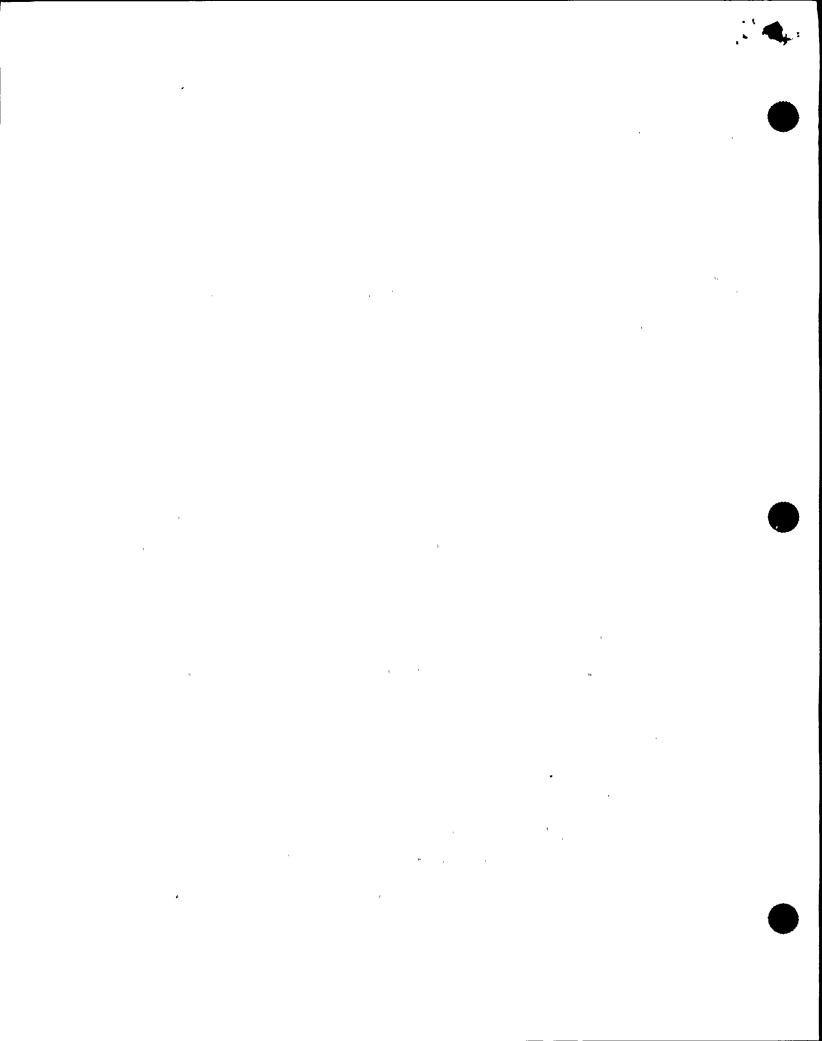


16 2.

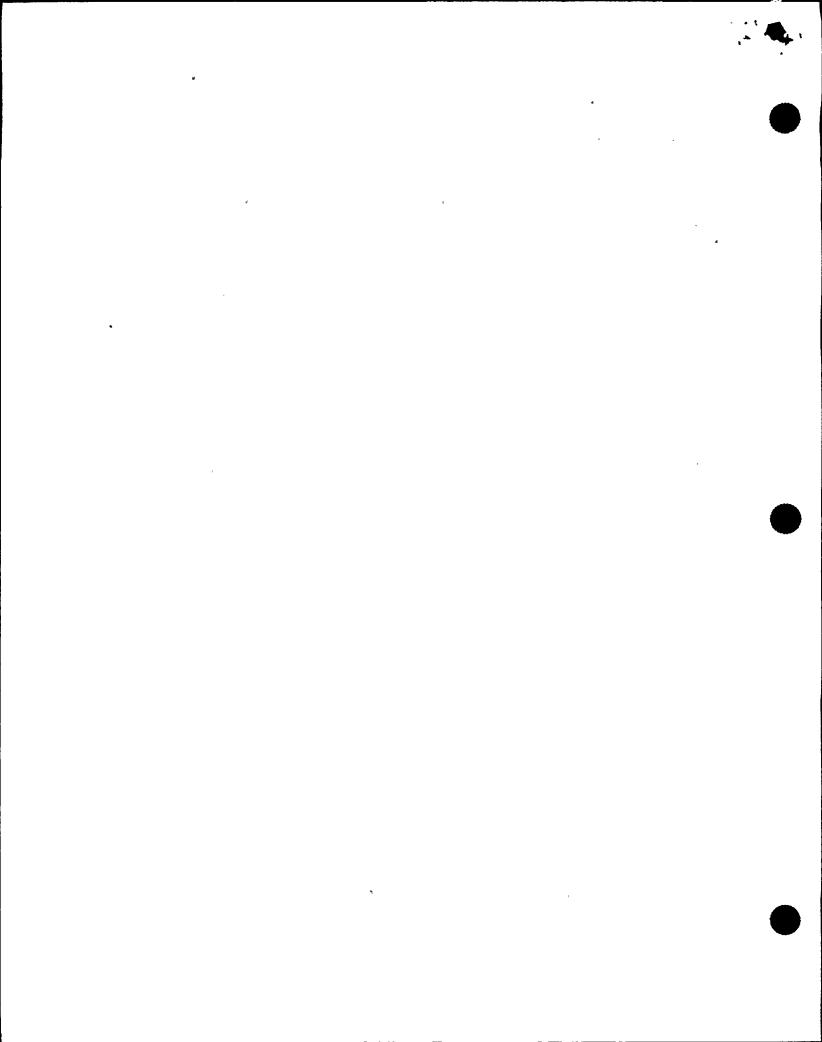
- 1 the diesel air compressor was being marked up to be fixed
- 2 and we have two compressors for the two tanks. One
- 3 compressor is marked up so you have to open when the low
- 4 pressure alarm comes in, you have to manually charge it up.
- 5 They were trying to repair one of the dryers.
- 6 MR. CONTE: What's the crosstie aspect? I
- 7 thought--
- 8 MR. HOFFMAN: It was two tanks and what it does is
- 9 you open a crosstie. Since one compressor's marked up it
- 10 allowed the compressor of the diesel or air compressor of
- 11 the two tanks to each have a compressor, allows the
- 12 compressor, the different tank, to charge to one whose
- 13 compressor is being marked up.
- MR. CONTE: Does each tank have these two -- does
- 15 each diesel have these two tanks or does one tank go with
- one diesel and the other tank go with the other diesel?
- 17 MR. HOFFMAN: No. Each diesel has two tanks.
- 18 MR. CONTE: Oh, I see, so really a crosstie is
- 19 within one emergency diesel generator room?
- MR. HOFFMAN: That's correct.
- MR. CONTE: Okay.
- 22 MR. HOFFMAN: It's sits between the two tanks and
- 23 the diesel to enable us to allow to charge the tank up to
- 24 acceptable pressure.
- MR. JORDAN: Do you isolate one tank and then



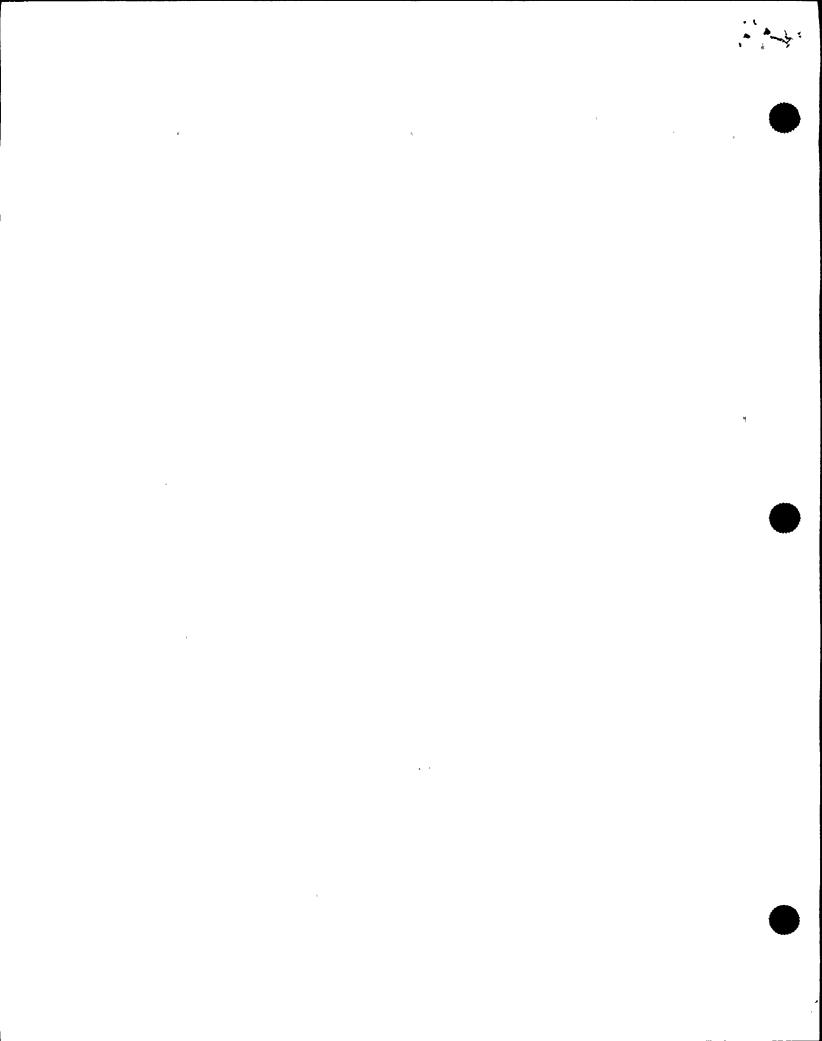
- - 1 charge the other when you crosstie or are they both tied
 - 2 together?
 - 3 MR. HOFFMAN: Both tied together.
 - 4 MR. CONTE: Until they get charged.
 - 5 MR. HOFFMAN: Until they get charged up and then
 - 6 we re-isolate the crosstie and both tanks are now separate
 - 7 again.
 - 8 MR. CONTE: Okay, so that takes us to when you
 - 9 left, around 11:00.
 - 10 MR. HOFFMAN: That's correct.
 - 11 MR. CONTE: Okay. I have some review questions
 - 12 here based on that chronology of what you gave us.
 - Can you be specific in terms of the building?
 - 14 You mentioned an elevation but what portion of the
 - building -- you were in the elevator?
 - 16 MR. HOFFMAN: Yes. That was for the auxiliary
 - 17 service building.
 - 18 MR. CONTE: Auxiliary service building. Does this
 - 19 elevator take you up and down past the Rad Protectio office
 - 20 or something?
 - 21 MR. HOFFMAN: The Rad Protection office is located
 - 22 at the top of the elevator route, the 306.
 - MR. CONTE: You weren't in that area at all, 306?
 - MR. HOFFMAN: Well, that's where I was coming down
 - 25 from. I was coming down from the control room down the 261



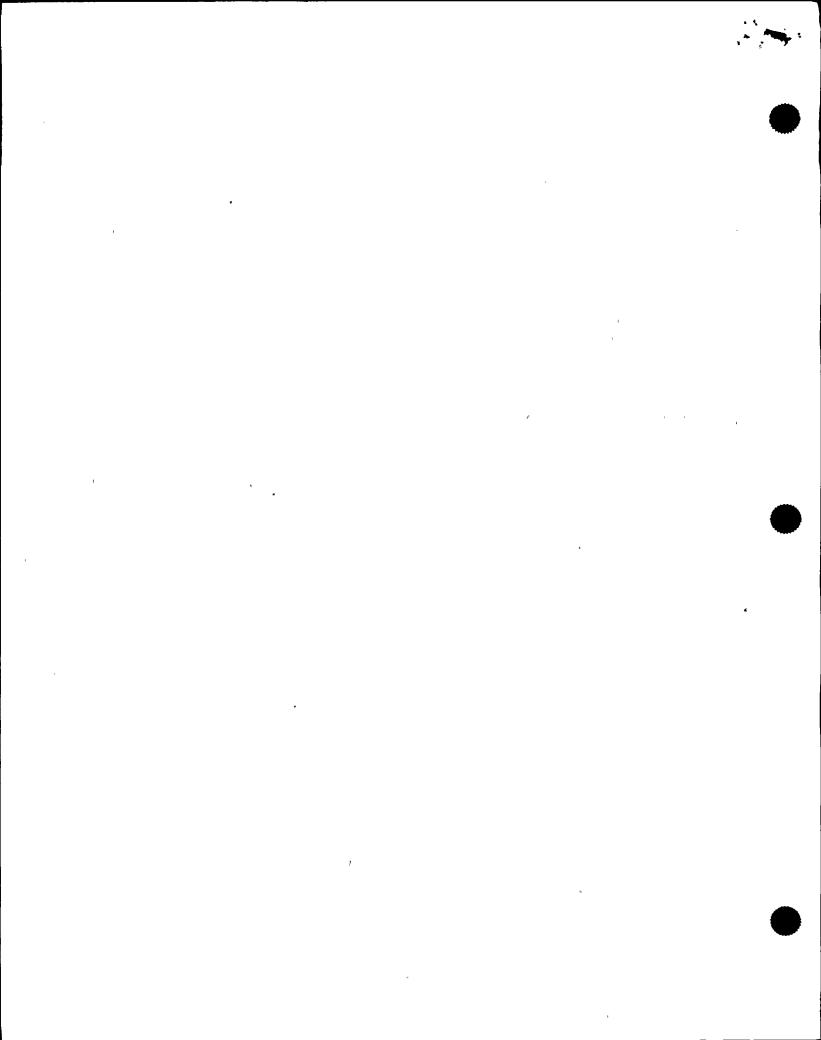
- 1 elevation.
- 2 MR. CONTE: Okay, and you explained the symptom of
- 3 the elevator being black, black with the exception of -- was
- 4 there any lights in the elevator?
- 5 MR. HOFFMAN: Yes, there was. The floor
- 6 indication light indicated between 2 and 3. The elevator
- 7 seemed to stop momentarily and then continued down to 2,
- 8 which is elevation 261.
- 9 MR. CONTE: When you come in on 261 of the aux
- 10 service building, you found darkness?
- 11 MR. HOFFMAN: Yes, I did.
- MR. CONTE: No emergency lighting?
- MR. HOFFMAN: Did not seem to be. I did not
- 14 notice any on -- actually made the phone call, reported back
- 15 up to the control room. The stairways were dark also.
- MR. JORDAN: Did you have a flashlight?
- 17 MR. HOFFMAN: Yes, I did.
- MR. JORDAN: Glad you had a flashlight?
- MR. HOFFMAN: Yes, I am. It got real dark.
- MR. CONTE: The stairways in the aux service
- 21 building were?
- MR. HOFFMAN: That is correct.
- MR. CONTE: How many stairways are in this aux
- 24 service building, just that one?
- MR. HOFFMAN: Yes. It gets from the 261 entrance



- 1 into the plant up to the control building. There's three
- 2 flights of stairs.
- 3 MR. CONTE: And the nearest here-here was where?
- 4 In that same building?
- 5 MR. HOFFMAN: Yes, it was. It was probably from
- 6 the elevator it was 35 feet away.
- 7 MR. CONTE: Was that black in that area too?
- 8 MR. HOFFMAN: Yes, it was.
- 9 MR. CONTE: No emergency lighting?
- MR. HOFFMAN: Did not notice any.
- 11 The lighting was on and where we found the plant
- 12 phone, which is in the locker room, the lighting was on in
- 13 there though.
- 14 MR. CONTE: That's interesting.
- [Laughter.]
- 16 MR. CONTE: Lighting in the stairways and
- 17 elevators dark -- do the elevators have emergency lighting
- 18 in them?
- MR. HOFFMAN: I really couldn't tell you, off
- 20 hand. I would have to look again.
- 21 MR. CONTE: Okay. Good. On monitoring reactor
- 22 pressure and level can you tell me the highest and the
- lowest of the two parameters that you ever observed?
- MR. HOFFMAN: What I can remember is we started
- out at a reactor pressure of 964 pounds, reactor water, the



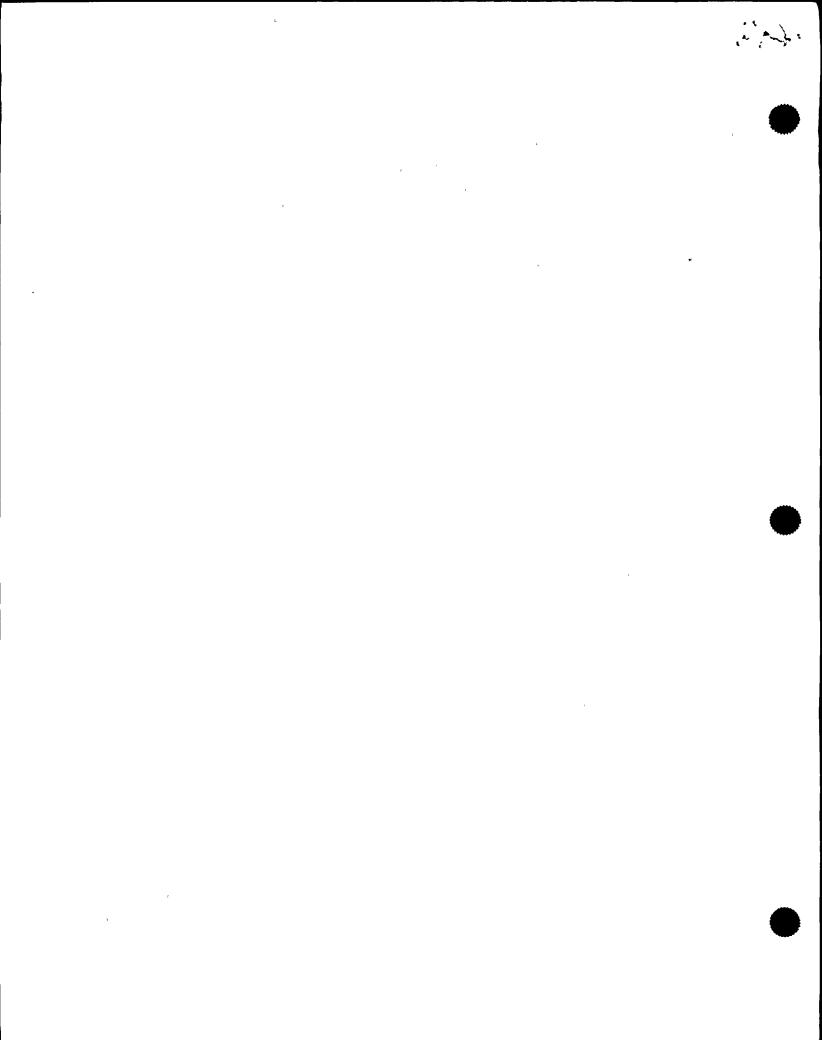
- - 1 highest you want for reactor water was off scale on my meter
 - 2 which is greater than 200 inches. The lowest I saw -- that
 - 3 I can remember reactor water getting was, I would have to
 - 4 say, not positively, but I would say in the 150 range -- 149
 - 5 range. The lowest -- reactor pressure continued on,
 - 6 dropping down -- I can't remember exactly what the pressure
 - 7 got to, it got down to 590, I do remember, but I think it
 - 8 continued on lowering after that.
 - I do know that it seemed to stop twice when it was
 - 10 decreasing. It seemed to settle out for a minute or two --
 - MR. CONTE: Level?
 - MR. HOFFMAN: Level. Yeah. It seemed to settle
 - 13 and then it continued on dropping again.
 - MR. CONTE: Okay. Do you happen to know what the
 - 15 RCIC initiation is -- initiation setting is?
 - MR. HOFFMAN: I'm not really sure. I think it is
 - 17 -- well, single low level is, I think 158.8. I am not
 - 18 positive. And the SSS called to start at 159. I'm pretty
 - 19 sure that was the number he called and started it at.
 - As I said before, a licensed operator was doing
 - 21 many of those functions, just happened to be he gauge next
 - 22 to mine.
 - MR. CONTE: You must have overheard the -- I guess
 - 24 the operator who was controlling RCIC indicated going from
 - 25 automatic to manual, did he give a reason? Did you hear a



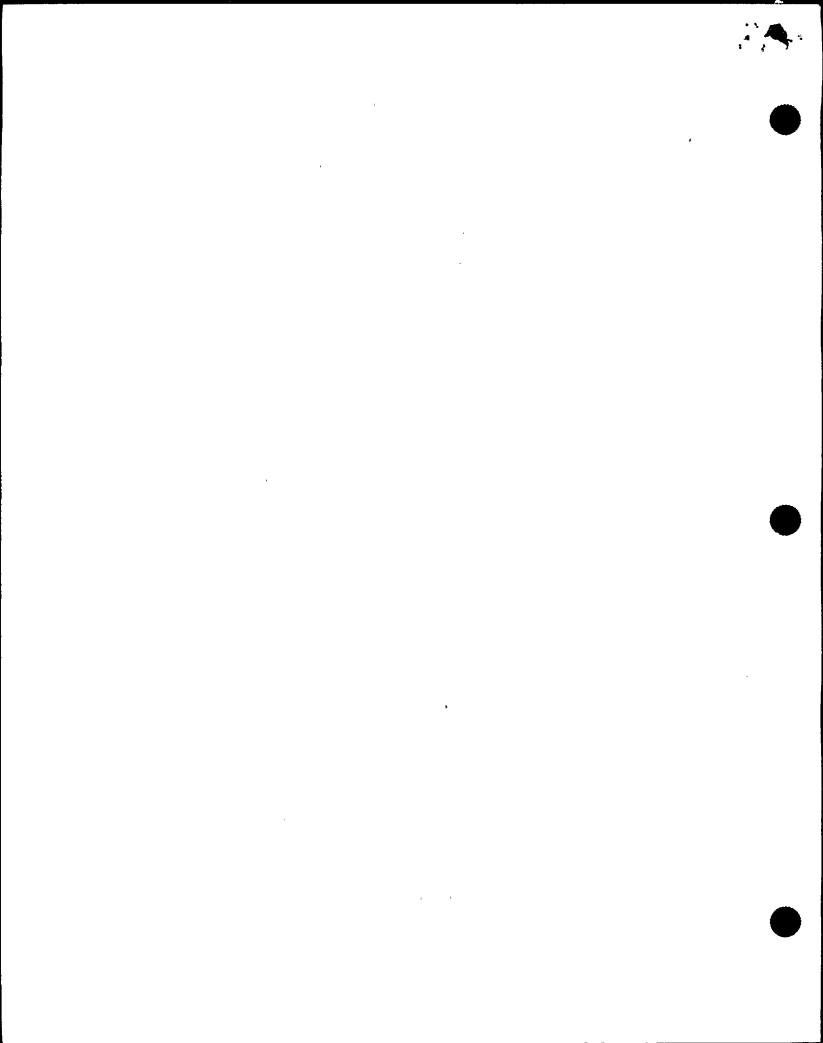
- MR. HOFFMAN: The best that I can remember, as I
- 3 said, I was more intently watching what I was told to do --
- 4 was to do -- the flow was erratic and the flow meters seemed
- 5 to erratic in auto. So, he announced he was switching over
- 6 to manual.

reason?

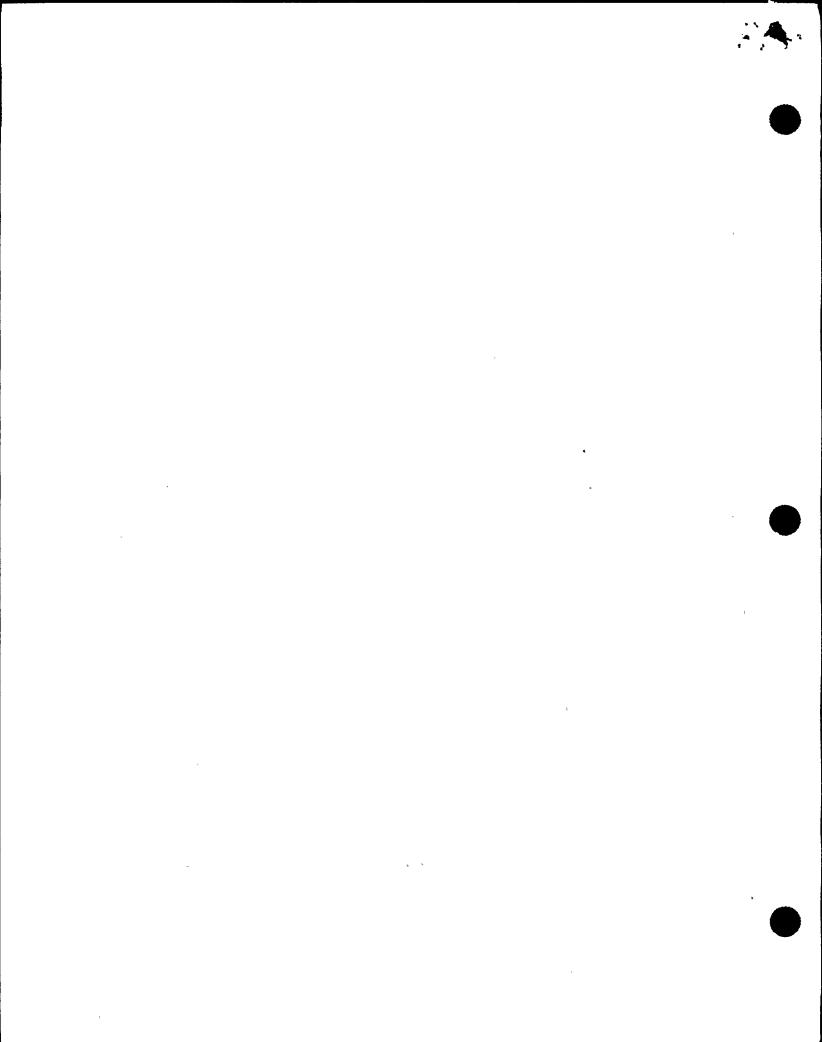
- 7 MR. CONTE: The flow was erratic. Okay. Did you
- 8 offer an explanation as to why the reactor level went high?
- 9 Did you hear or did you know anything?
- MR. HOFFMAN: Not that I remember. I don't really
- 11 remember why. The only thing I could think of, is as we
- 12 started injecting flow, it came up and then even though we
- 13 backed off, it was still coming on.
- MR. CONTE: You didn't hear any emotional
- 15 statement from anyone like "Oh no" or --
- MR. HOFFMAN: No.
- MR. CONTE: Okay.
- MR. HOFFMAN: Everything was very professional in
- 19 there.
- MR. CONTE: And when he got that Level 8, he shut
- 21 down RCIC?
- MR. HOFFMAN: He was shut down before he hit Level
- 23 8 if I remember correctly.
- MR. CONTE: And that was -- is that normal -- did
- you happen to know if that is normal practice to shut down



- - 1 RCIC before the Level 8 function comes in?
 - 2 MR. HOFFMAN: I'm not trained in the control room
 - 3 aspects of the systems. I'm more into plant at this time.
 - 4 MR. CONTE: That's a fair answer. All right.
 - 5 Mike, jump in, if you've got anything.
 - 6 MR. JORDAN: I've got just a couple questions.
 - 7 Did -- you say it went off scale, high on level, did it stay
 - 8 there, did it come back down?
 - 9 MR. HOFFMAN: It stayed there for a while and then
 - 10 came back down. It went -- on the wide range it went off
 - 11 scale and, as I said before, I'm not real familiar with the
 - 12 control rooms --
 - MR. JORDAN: Did it come back down to the point
 - 14 where they had to restart RCIC? Did it come back down and
 - 15 they were controlling it elsewhere outside of RCIC?
 - 16 MR. HOFFMAN: It came back down, but they never
 - 17 restarted RCIC. They came back down within acceptable
 - 18 range.
 - 19 MR. JORDAN: Do you know what range it was in?
 - MR. HOFFMAN: No, I can't remember, off hand. As
 - 21 I said, they started to control with condensate boosters.
 - 22 MR. JORDAN: So as far as you know RCIC was only
 - 23 used one time?
 - MR. HOFFMAN: That is correct.
 - MR. JORDAN: Okay. You mentioned that you were at

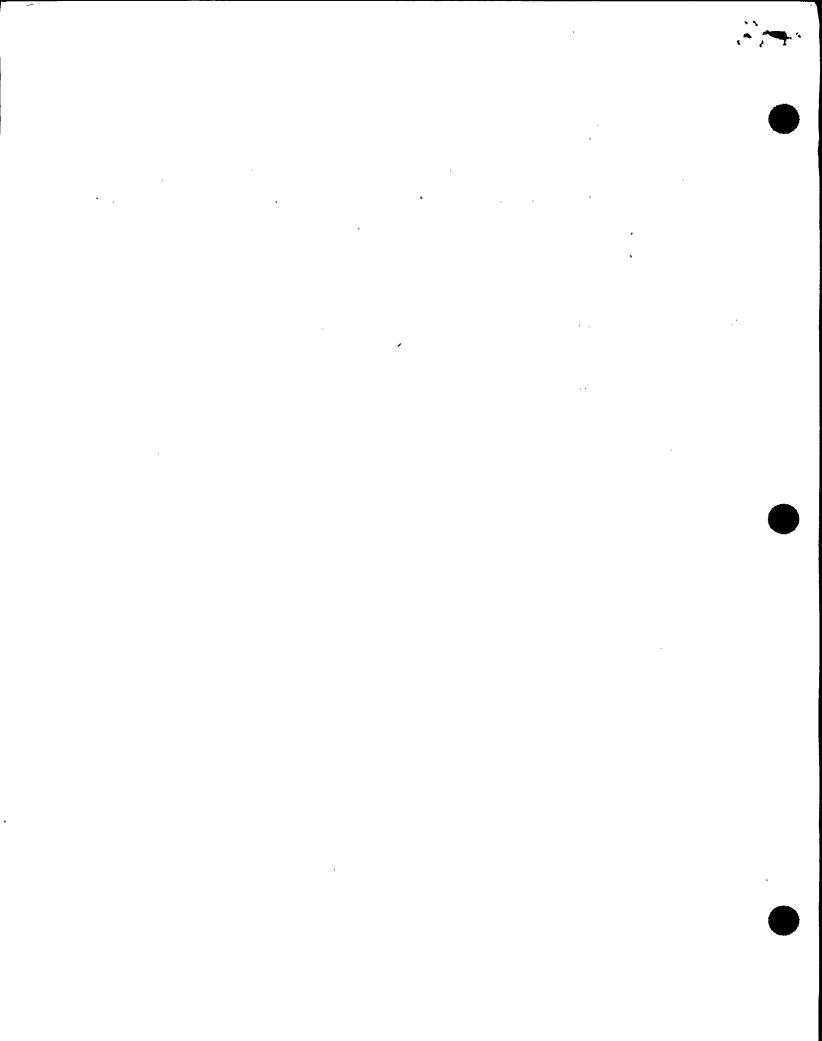


- - 1 the 250 foot area in the Hoggers, what building is that in?
 - 2 MR. HOFFMAN: That is in the turbine building.
 - 3 MR. JORDAN: Turbine building. And you had the
 - 4 RAD monitor that was close to the area alarming?
 - 5 MR. HOFFMAN: That is correct.
 - 6 MR. JORDAN: And you read it at ten to the --
 - 7 MR. HOFFMAN: Ten to the minus first.
 - 8 MR. JORDAN: And then you said there was another
 - 9 alarm?
 - MR. HOFFMAN: Um hm.
 - MR. JORDAN: That you -- actually near that you
 - 12 came across? Do you have any idea where that was at? Same
 - 13 Elevation?
 - 14 MR. HOFFMAN: Same elevation, the east end of the
 - 15 building versus the first alarm was on the west end of the
 - 16 building.
 - MR. JORDAN: And that one was alarming and it was
 - 18 reading?
 - MR. HOFFMAN: Ten to the minus one, again.
 - MR. JORDAN: Same thing?
 - MR. HOFFMAN: Yes, sir.
 - MR. JORDAN: Okay. And at that time you notified
 - 23 the control room, is that correct?
 - 24 MR. HOFFMAN: I notified the control room the
 - 25 first -- after they told me about the high radiation level

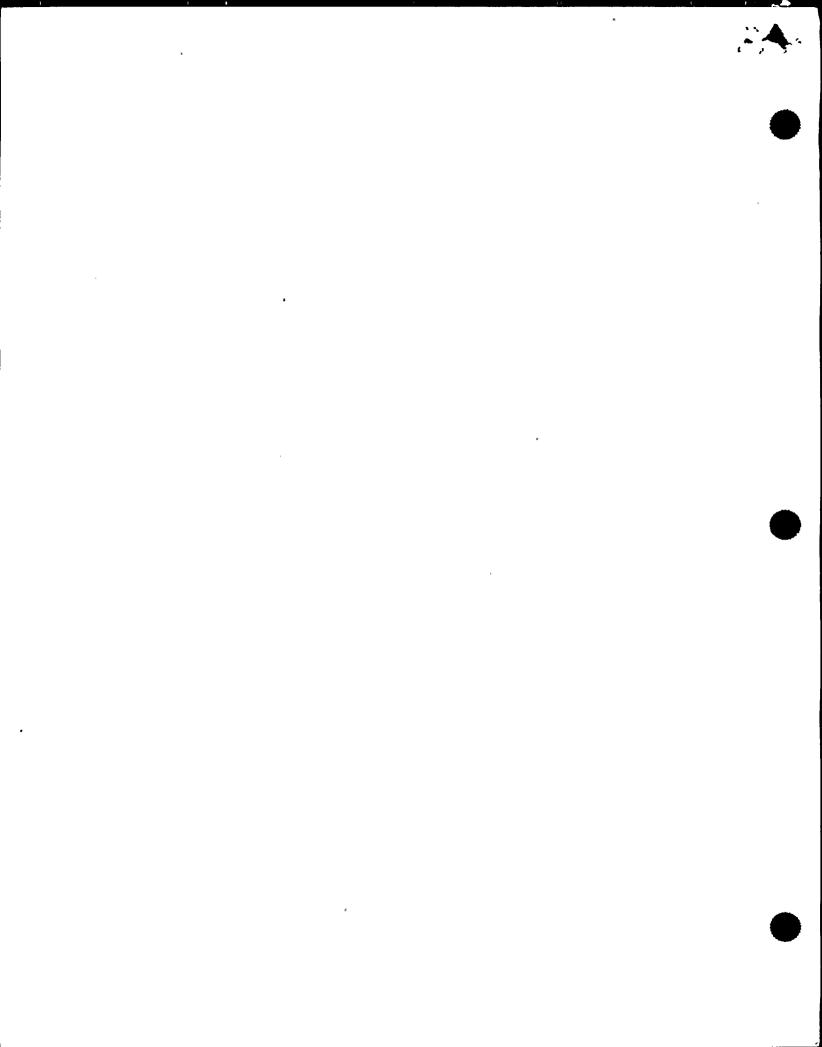




- 1 the 277 annunciator being in, I then looked around to make
- 2 sure that the ones on my level -- because I'm right below
- 3 that, weren't in and they turned out to be. I then told the
- 4 control room I was leaving the area.
- 5 MR. JORDAN: Is the alarm an audible? Is it a
- 6 visual -- what?
- 7 MR. HOFFMAN: It's a visual. The alarm that was
- 8 going was visual. There is also audible, but the visual is
- 9 what I noticed it was pretty loud down there. I didn't even
- 10 get right next to it. I got close enough to be able to see
- 11 what the level was and then proceeded out of the building.
- MR. JORDAN: That's how you -- in other words you
- 13 didn't hear the audible alarm, you noticed the visual
- 14 alarm?
- MR. HOFFMAN: That is correct.
- MR. JORDAN: Or a light, what's the --
- 17 MR. HOFFMAN: It's a flashing light. It's like a
- 18 siren light or police light.
- MR. JORDAN: Okay. So it's a red light that
- 20 flashes, is that correct?
- MR. HOFFMAN: That's correct.
- MR. JORDAN: Okay. The communications at that
- 23 time were working? What were you using?
- MR. HOFFMAN: I was using the here-here system.
- 25 By that time the UPS's -- our power had been restored to the



```
1
     annunciators and here-here systems.
               MR. JORDAN: So after that time you knew of no
 2
     other problems as far communications with the control room?
 3
     You were out in the plant doing other activities for the
 4
 5
     day?
 6
               MR. HOFFMAN:
                             That is correct.
 7
               MR. JORDAN: Okay.
 8
               MR. CONTE: I'm done.
 9
               MR. JORDAN: So am I.
10
               MR. CONTE: Let's go off the record.
               [Whereupon, at 11:20 a.m., the taking of the
11
     interview was concluded.]
12
13
14
15
16
17
18
19
20
21
22
23
24
25
```



REPORTER'S CERTIFICATE

This is to certify that the attached proceedings before the United States Nuclear Regulatory Commission

in the matter of:

NAME OF PROCEEDING: Int. of ERIC HOFFMAN

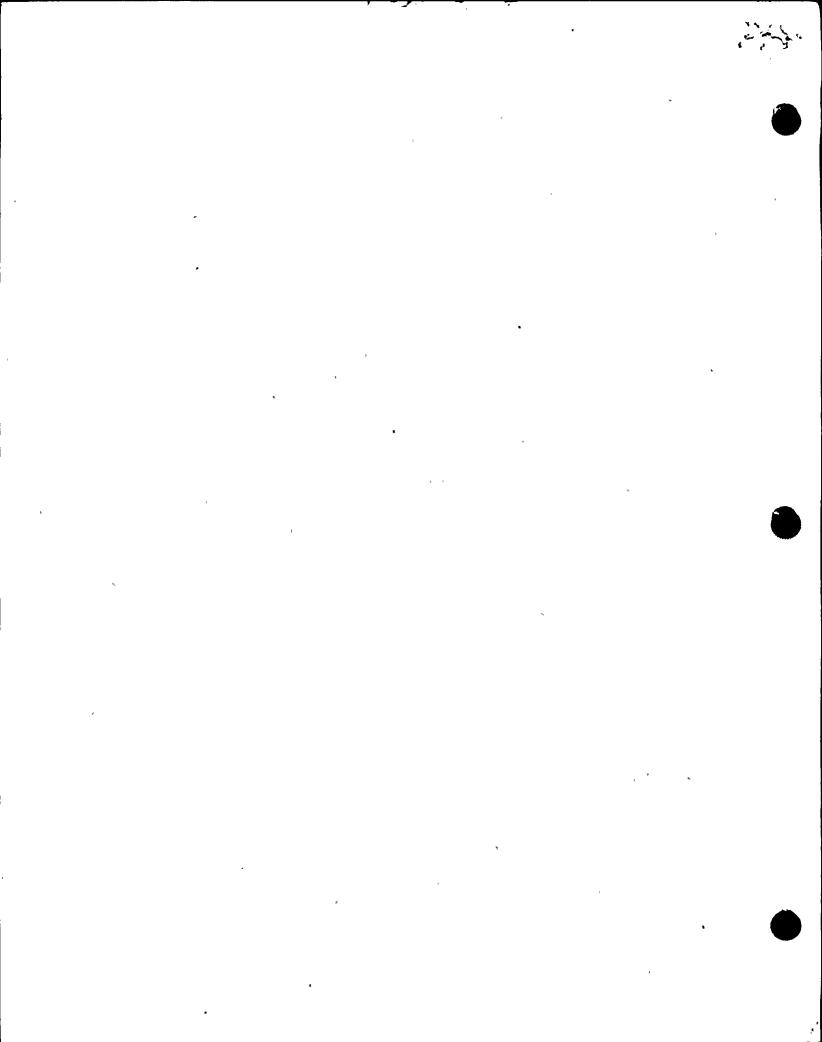
DOCKET NUMBER:

PLACE OF PROCEEDING: Scriba, N.Y.

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

JON HUNDLEY

Official Reporter Ann Riley & Associates, Ltd.



ORIGINAL

OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency:

Nuclear Regulatory Commission

Incident Investigation Team

Title:

Nine Mile Point Nuclear Power Plant

Interview of: ERIC HOFFMAN

Docket No.

LOCATION:

Scriba, New York

DATE: Tuesday, August 20, 1991

PAGES: 1 - 20

ANN RILEY & ASSOCIATES, LTD.

1612 K St. N.W., Suite 300 Washington, D.C. 20006 (202) 293-3950.

9305060317 911031 PDR ADDCK 05000410 S PDR

3.p5060317

,

.

•

•

*

•

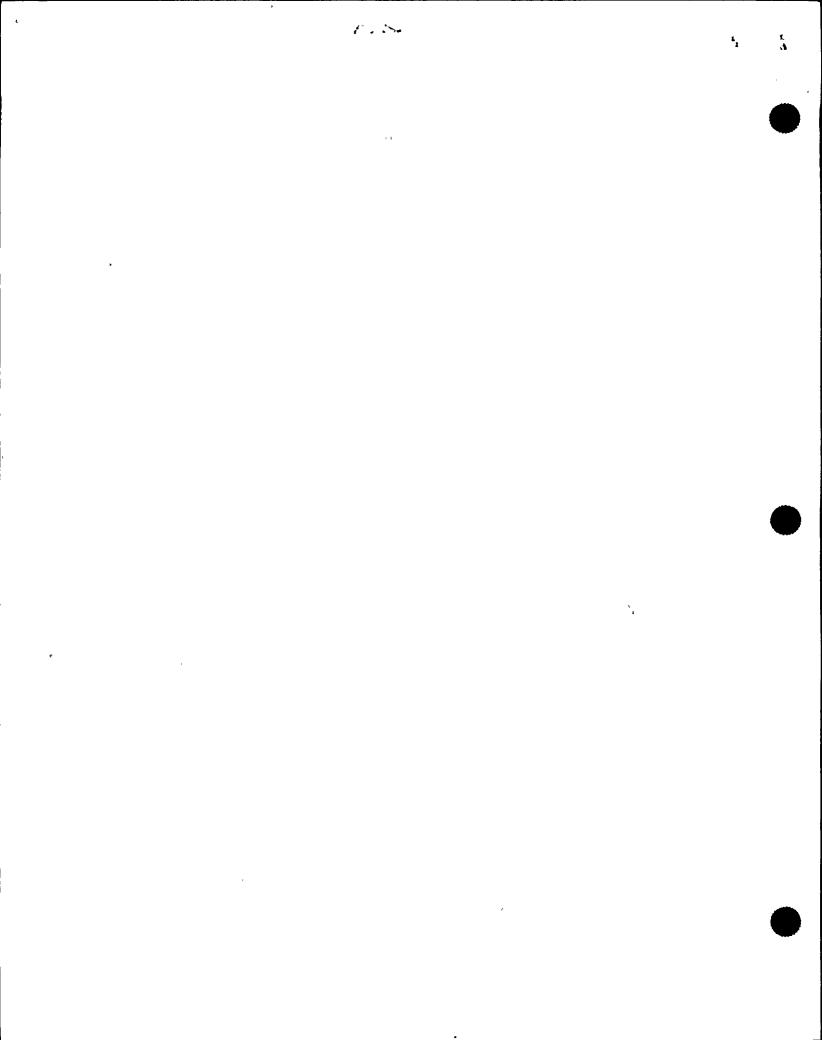
ADDENDUM TO INTERVIEW OF Enic Hoffman Whoc. (Name/Position)

Page	<u>Line</u>	Correction and Reason for Correction
4	8	Ctill 900 Founds till is not rightword.
<u> </u>	<u> </u>	Wants to STRATED UP OUTUT CONTERES
<u> </u>	<u> </u>	ison planty to tippedoffine out of context.
5		NCIC tripped we shut no a down to min Flow nut complete service o
	<u> </u>	Licensed instead officened. / WHAT ESAID.
10	2	to he reutifized stipped a word.
	20	BASICALLY From them to a little after ten + 1030.
		sentince and complet.
10	<u> ৯ ১</u>	We Had introductive improper context
		· One installation
1,7	<u> ን</u> ς ͺ	. down to the 261 milling word.
13	14	When we actually more the phone Gall missing word.
<u> 13</u>	17	We repurted back /outof context.
12	<u>ک</u> ا	if the gult happened to be the guare next to mine. out of contest
17	3	I'm nore into plant systems at this time, word missing.
	ール	CHARLE CAME Sallentha In ord miller
18	25	First time word missing
		· · · · · · · · · · · · · · · · · · ·
		
		
		
		
		

Page of Signature Grain Jul Date 8 /22/91

Ť, **X**>

1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
3	INCIDENT INVESTIGATION TEAM
4	
5	
6	Interview of :
7	ERIC HOFFMAN :
8	(Closed) :
9	
10	
11	Conference Room B
12	Administration Building
13	Nine Mile Point Nuclear
14	Power Plant, Unit Two
15	Lake Road
16	Scriba, New York 13093
17	Tuesday, August 20, 1991
18	
19	The interview commenced, pursuant to notice,
20	at 11:02 a.m.
21	
22	PRESENT FOR THE IIT:
23	Michael Jordan, NRC
24	Rich Conte, INPO
25	



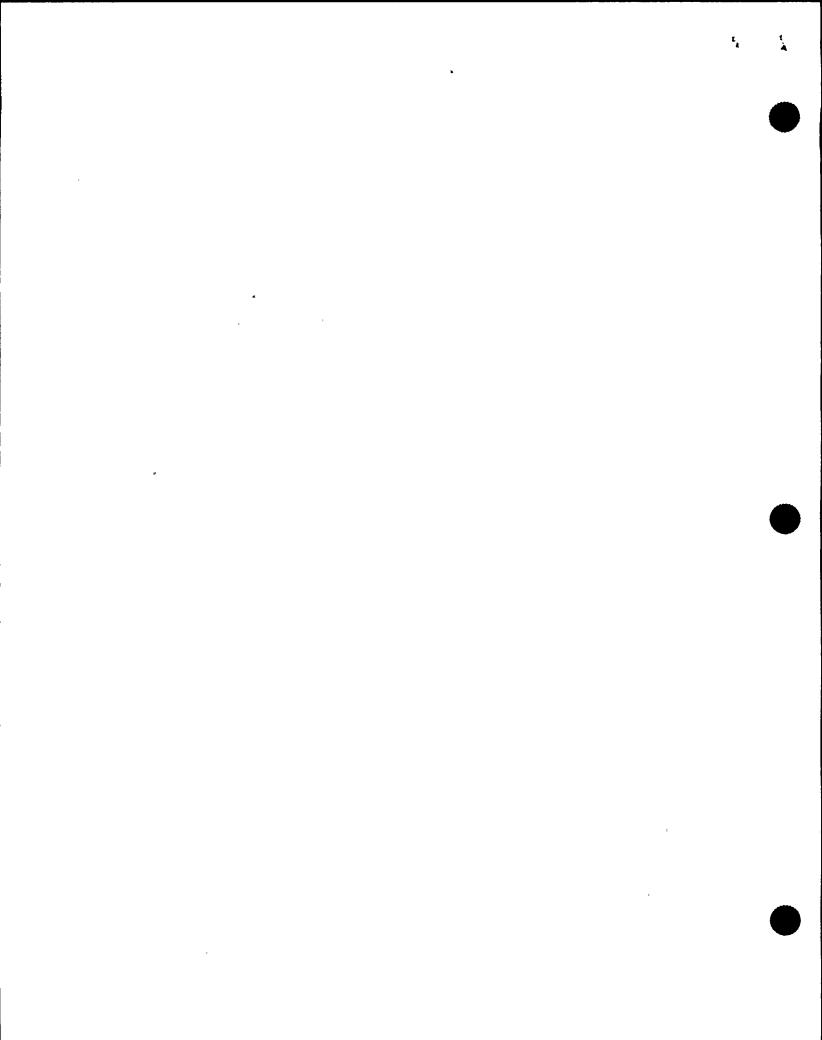
1 PROCEEDINGS

- [11:02 a.m.]
- 3 MR. JORDAN: Good morning. We're at the Nine Mile
- 4 Point Unit Two, in the P building. It's August 20, 1991.
- 5 We're here to cover an event of a transient that occurred on
- 6 August 13, 1991. I am Michael Jordan. I'm with the NRC out
- 7 of Region III.

6

'n

- 8 MR. CONTE: I'm Rich Conte. I'm a section chief
- 9 from Region I.
- MR. HOFFMAN: I'm Eric Hoffman, an auxiliary
- 11 operator C, Nine Mile Point Two.
- MR. JORDAN: Eric, before we get started, why
- don't you just go ahead and give us a background of your
- 14 experience?
- MR. HOFFMAN: I started in Nine Mile Two
- 16 operations back in 1984, during constructions days, and I
- 17 progressed through first fuel on site, startup and testing,
- into commercial run. Prior to 1984, I was in college for a
- 19 couple years.
- MR. JORDAN: Are you licensed, or are you not
- 21 licensed?
- MR. HOFFMAN: I am not licensed. I'm non-
- 23 licensed.
- MR. JORDAN: Non-licensed operator.
- Okay, Eric. Why don't you in your own words just



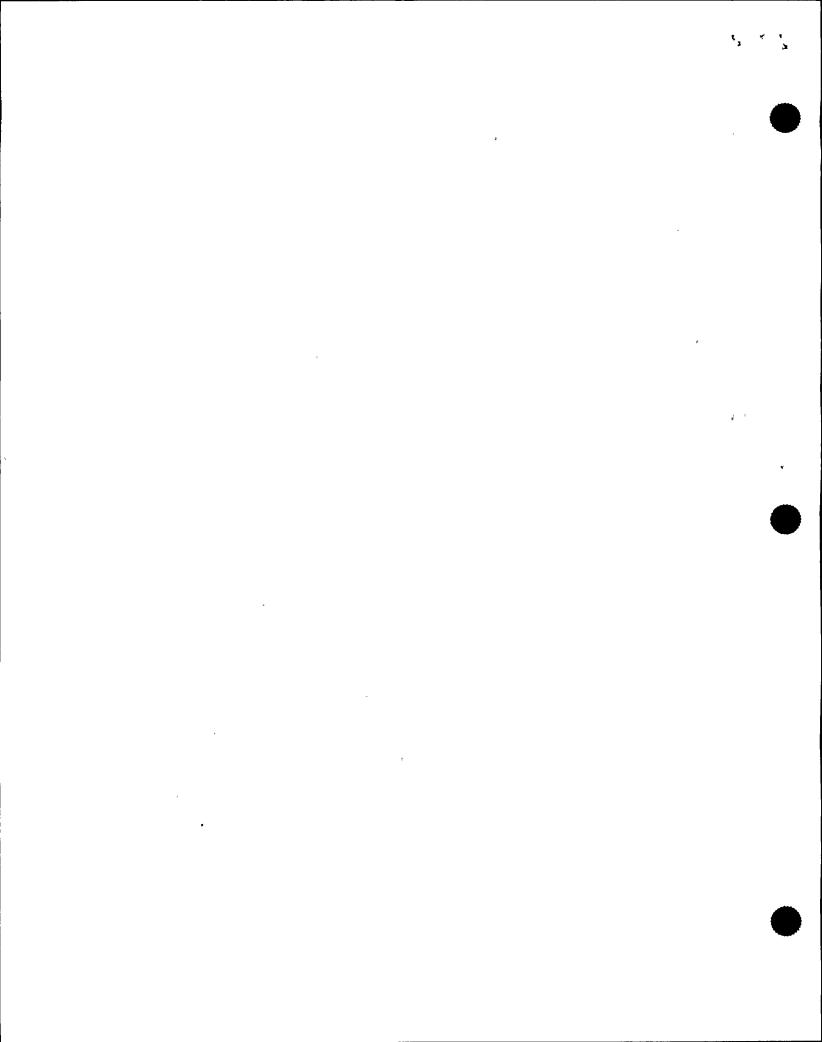
- 1 give an idea of what you saw transpire when you came on
- 2 shift during the event?
- 3 MR. HOFFMAN: Okay. I was riding down the
- 4 elevator when on the elevator we lost all lights. First we
- 5 thought the elevator just go stuck, but it continued to come
- 6 down. When the door opened on the 261 elevation, lights
- 7 were off in that area. We then proceeded to go to the
- 8 nearest here-here system --
- 9 MR. JORDAN: What's the system?
- MR. HOFFMAN: Here-here, PA system.
- MR. JORDAN: Oh.
- 12 MR. HOFFMAN: -- to contact the control room to
- 13 find out what was going on. We went to the PA system. It
- 14 did not work, so we then proceeded to a site phone and
- 15 contacted the control room. They told us that they wanted
- 16 up upstairs immediately because they have lost indication.
- 17 We then proceeded to go upstairs back into the control room,
- 18 where I was then instructed to man reactor pressure level
- 19 and reactor level gauges on the emergency core cooling
- 20 system panels.
- 21 MR. CONTE: Reactor pressure level and what?
- MR. HOFFMAN: Reactor pressure and reactor water
- 23 level.
- MR. CONTE: Okay. Just those two parameters.
- MR. HOFFMAN: Yes.

• , . •

- 1 MR. CONTE: Okay.
- MR. HOFFMAN: I think the first set of readings I
- 3 called off was a reactor water level of 175 inches, and
- 4 reactor pressure was 964 inches -- or 964 pounds; excuse me.
- 5 I then proceeded to keep on calling off numbers when I
- 6 noticed any decline or increase in either one, and continued
- 7 calling them off until we reached 159 inches water level.
- 8 The pressure was till 900, I think; I'm not exactly sure of
- 9 the exact number on it. The station shift supervisor
- 10 started up RCIC, had a licensed operator come over and start
- 11 reactor core isolation cooling, to inject water into the
- 12 vessel.
- 13 We started RCIC in auto first, and then the
- 14 licensed operator switched over to manual, because it seemed
- 15 there was erratic control when it was in auto. He was
- 16 injecting; I was watching level. Level still was
- 17 decreasing; pressure still was decreasing. He continued
- 18 injection. Then I noticed a turn-around, where level
- 19 started to rise. I called off the reading to the SSS, which
- 20 he wrote down, and continued to watch level.
- Level continued on climbing, to the point where
- the licensed operator backed off on the flow of RCIC because
- 23 level was coming up. Level continued on rising, to the
- 24 point that the licensed operator -- we hit level 8, and RCIC
- 25 was already off line, basically; it was past min flow. We

. • · . .

- 1 went off-scale on the wide band recorder that I was reading.
- 2 Mainly I just kept on calling off pressures and
- 3 levels as the licensed operators were manipulating various
- 4 other systems to try to regain everything.
- 5 MR. JORDAN: When the level was coming up, do you
- 6 have any idea of a time frame when the annunciators came
- 7 back on and the power came back?
- MR. HOFFMAN: I can't really remember, but I don't
- 9 think it was --
- MR. JORDAN: Before or after RCIC tripped?
- MR. HOFFMAN: RCIC didn't trip; we shut RCIC down.
- 12 It probably was like five, six minutes. I'm not positive.
- 13 To me that sounds about right, because I was still watching
- 14 level when it came back on.
- MR. JORDAN: Five to six minutes after, before?
- MR. HOFFMAN: Probably from the time that we
- 17 started RCIC to the time that the lights came back on.
- MR. JORDAN: Okay.
- MR. CONTE: Okay. Can you continue.
- MR. HOFFMAN: Basically, I was assigned to that
- 21 position and watching that when they tried to re-establish
- 22 flow and everything with the condensate booster pumps. Then
- 23 I was relieved of position as other licensed operators came
- on who were coming in for the morning shift.
- Then I was instructed to go down to the air



- 1 removal system and make sure that was ready to go into
- 2 service.
- 3 MR. CONTE: To make sure what was ready?
- 4 MR. HOFFMAN: Air removal system.
- 5 MR. CONTE: Okay.
- 6 MR. HOFFMAN: I was sent down to make sure that it
- 7 had proper seal water level, oil level, that they were both
- 8 able to be used to maintain condenser vacuum.
- 9 MR. JORDAN: That's what the air removal system is
- 10 for?
- MR. HOFFMAN: To maintain condenser vacuum.
- MR. CONTE: These are the hoggers?
- MR. HOFFMAN: These are the hoggers, yes.
- MR. CONTE: Okay.
- About what time did you leave the control room?
- 16 The condensate booster feed pump attempt to start up
- 17 occurred around 7, 7:30. Were you in the control room at
- 18 that time?
- MR. HOFFMAN: Yes, I was.
- MR. CONTE: So it was after -- Based on that time
- of reference, about how long after that?
- MR. HOFFMAN: I can't remember the exact time, how
- 23 long. I was in there for a while longer after that. I was
- 24 still reading level when they were controlling with the
- 25 condensate booster. I was reading the wide range, which was

•

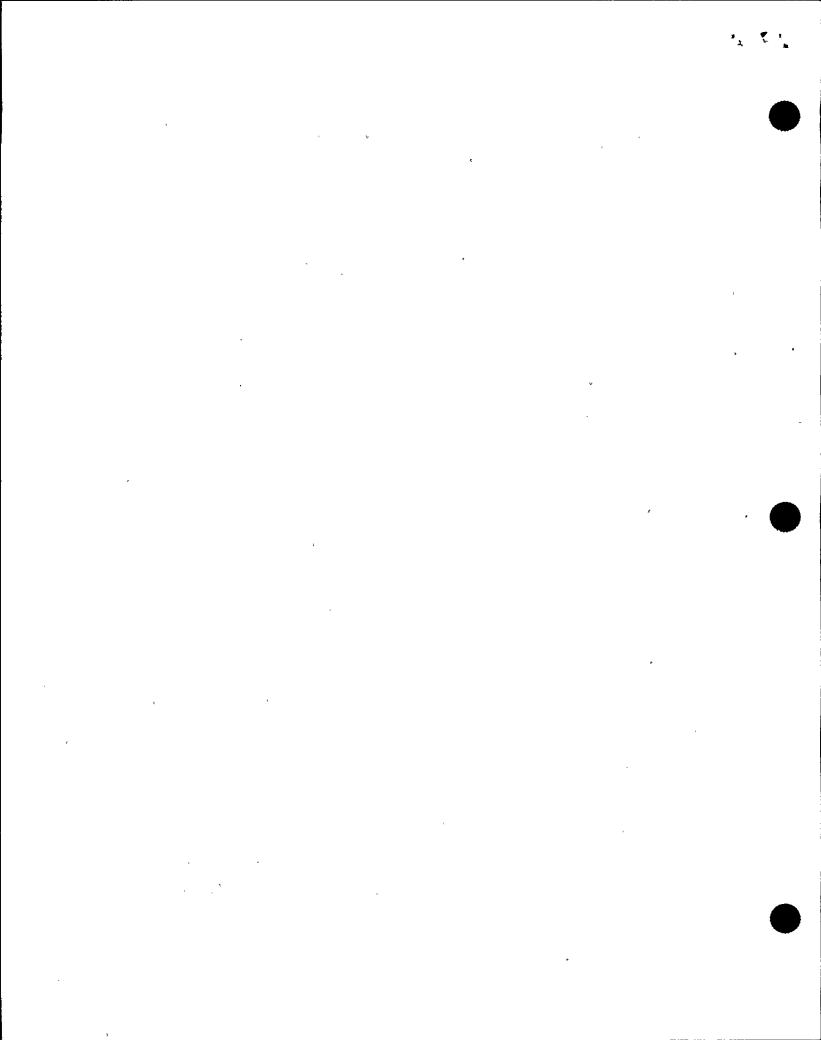
- 1 coming down back on the scale again, and they had a licensed
- 2 operator reading narrow range over in another panel.
- MR. CONTE: Okay. You were down at the hoggers.
- 4 What happened next?
- 5 MR. HOFFMAN: I called the control room up to let
- 6 them know the situation with the hoggers -- they were ready
- 7 to be started -- and I was told not to go up to 277 because
- 8 there was a high rad annunciator in on the off-gas system.
- 9 MR. CONTE: Go up to 277 elevation.
- MR. HOFFMAN: Turbine building.
- MR. CONTE: Because of a high rad?
- MR. HOFFMAN: High rad alarm was annunciated from
- 13 off-gas system.
- 14 That's when I turned around and noticed the
- 15 radiation monitors in the area. There was one 30, 40 feet
- away from me annunciating also, alarming. I then proceeded
- 17 --
- MR. CONTE: What elevation?
- MR. HOFFMAN: I was on 250.
- MR. CONTE: And 250 is where the hoggers are.
- MR. HOFFMAN: Yes, sir.
- MR. CONTE: And there was a radiation monitor
- 23 around that?
- MR. HOFFMAN: Around the paging system I was
- 25 using, yes.

•

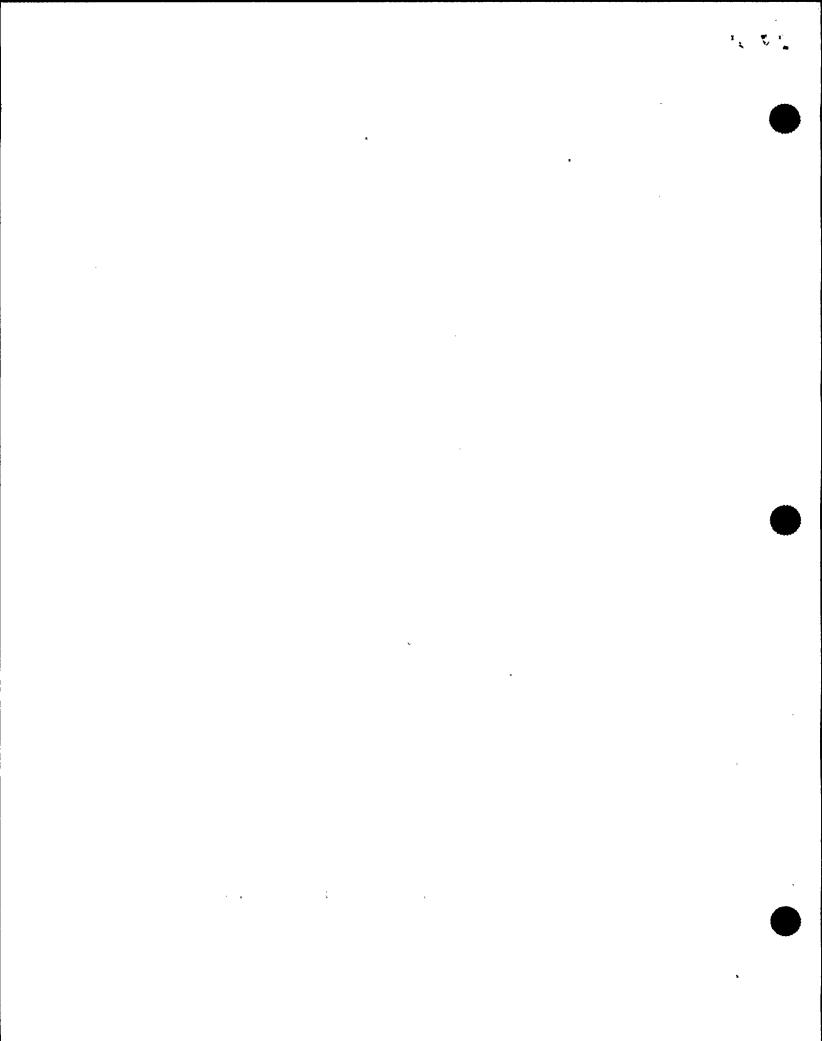
.

,

- 1 MR. CONTE: Is there a meter there, so you could
 2 tell what the -3 MR. HOFFMAN: Yes, there was.
 4 MR. CONTE: Was that high?
- 5 MR. HOFFMAN: No, it wasn't. It was reading 10 to 6 the minus 1st.
- 7 MR. CONTE: Was there an alarm?
- 8 MR. HOFFMAN: The alarm light was going off, yes.
- 9 MR. CONTE: And in your mind is that unusual?
- MR. HOFFMAN: Yes, it is. I proceeded to tell the
- 11 licened operator I was talking to in the control room the
- 12 alarm was going off and I was leaving the area. When I
- 13 walked past area I read the annunciator part of the meter
- 14 for that radiation monitor to see what it was reading and
- 15 proceeded to leave that area and ran past another radiation
- 16 monitor that was alarming and read that annunciator's level.
- Both of them were reading ten to the minus first.
- I then proceeded up to the control room and
- 19 explained what I saw down on 250 area to the licensed
- 20 operator. He explained to the Chief Shift Operator what I
- 21 saw where they made the determination to evacuate the
- 22 turbine building until Rad Protection was able to go out and
- 23 survey because even though they were reading low levels they
- 24 wanted to make sure because the alarms were going.
- MR. CONTE: Did anyone offer an explanation as to



- 1 why the alarms were in versus the indication?
- 2 MR. HOFFMAN: Yes. Talking to a Radiation
- 3 Protection tech, me and him, just between the two of us,
- 4 thoguht maybe due to the fact that when the UPS's did come
- 5 back into service that they might have spiked the radiation
- 6 monitors, causing an alarm to come in and then, you know, as
- 7 soon as power was re-established it was reading normal
- 8 again, but when the power initially came on the surge of
- 9 voltage might have spiked the monitors.
- MR. CONTE: Is there a way we remove that alarm,
- 11 like hitting a reset button of some sort?
- MR. HOFFMAN: There is an acknowledge and reset
- 13 button but we were instructed per administration procedures
- 14 when we see alarm to get the reading and get out and report
- 15 it.
- MR. CONTE: Okay, continue. You got back to the
- 17 control room, made your report.
- MR. HOFFMAN: Then we were in the middle of the
- 19 site area emergency where, you know, we were instructed to
- 20 make sure you were logged in, into the control room area
- 21 and then waited for the next job, which basically from that
- 22 time, which is pretty close to by the time everything was
- overwith and they figured out -- I think it was about 9:30 -
- 24 and basically since our shift was all night and there were
- 25 three other shifts, they basically just told us to sit down



- and wait until the emergency was over unless we were needed
- 2 to re-utilize --
- 3 MR. CONTE: Wait where?
- 4 MR. HOFFMAN: We were waiting in the control room
- 5 and then we were instructed to wait over at the beehive,
- 6 which is right across -- it's our staging area because there
- 7 is too many people and they wanted to maintain decorum in
- 8 the control room.
- 9 MR. CONTE: What time did you get relieved and
- 10 allowed to go home?
- 11 MR. HOFFMAN: Eleven o'clock.
- MR. CONTE: So you spent 9:30 to 11:00 in the
- 13 beehive?
- 14 MR. HOFFMAN: Closer probably like 10:00. I went
- out and did a few minor jobs which were normal plant
- 16 function jobs, if you want to call it that --
- 17 MR. CONTE: Like what?
- 18 MR. HOFFMAN: I charged the air compressors on one
- 19 of the diesels because we have to use a cross-tie on it and
- 20 gasically from then about a little after 10:00 to 10:30,
- 21 when they got permission from the EOF to let us leave, I was
- instructed to wait in the staging area until I was needed.
- 23 MR. CONTE: Tell me something about this crosstie
- 24 and the need to charge the emergency diesels?
- 25 MR. HOFFMAN: Yes. Diesel generators. We have

• •

- 1 the diesel air compressor was being marked up to be fixed
- 2 and we have two compressors for the two tanks. One
- 3 compressor is marked up so you have to open when the low
- 4 pressure alarm comes in, you have to manually charge it up.
- 5 They were trying to repair one of the dryers.
- 6 MR. CONTE: What's the crosstie aspect? I
- 7 thought--
- 8 MR. HOFFMAN: It was two tanks and what it does is
- 9 you open a crosstie. Since one compressor's marked up it
- 10 allowed the compressor of the diesel or air compressor of
- 11 the two tanks to each have a compressor, allows the
- 12 compressor, the different tank, to charge to one whose
- 13 compressor is being marked up.
- 14 MR. CONTE: Does each tank have these two -- does
- 15 each diesel have these two tanks or does one tank go with
- one diesel and the other tank go with the other diesel?
- MR. HOFFMAN: No. Each diesel has two tanks.
- MR. CONTE: Oh, I see, so really a crosstie is
- 19 within one emergency diesel generator room?
- MR. HOFFMAN: That's correct.
- MR. CONTE: Okay.
- MR. HOFFMAN: It's sits between the two tanks and
- 23 the diesel to enable us to allow to charge the tank up to
- 24 acceptable pressure.
- MR. JORDAN: Do you isolate one tank and then

- 1 charge the other when you crosstie or are they both tied
- 2 together?
- 3 MR. HOFFMAN: Both tied together.
- 4 MR. CONTE: Until they get charged.
- 5 MR. HOFFMAN: Until they get charged up and then
- 6 we re-isolate the crosstie and both tanks are now separate
- 7 again.
- 8 MR. CONTE: Okay, so that takes us to when you
- 9 left, around 11:00.
- MR. HOFFMAN: That's correct.
- MR. CONTE: Okay. I have some review questions
- 12 here based on that chronology of what you gave us.
- Can you be specific in terms of the building?
- 14 You mentioned an elevation but what portion of the
- building -- you were in the elevator?
- MR. HOFFMAN: Yes. That was for the auxiliary
- 17 service building.
- 18 MR. CONTE: Auxiliary service building. Does this
- 19 elevator take you up and down past the Rad Protectio office
- 20 or something?
- 21 MR. HOFFMAN: The Rad Protection office is located
- 22 at the top of the elevator route, the 306.
- MR. CONTE: You weren't in that area at all, 306?
- MR. HOFFMAN: Well, that's where I was coming down
- 25 from. I was coming down from the control room down the 261

- 1 elevation.
- 2 MR. CONTE: Okay, and you explained the symptom of
- 3 the elevator being black, black with the exception of -- was
- 4 there any lights in the elevator?
- 5 MR. HOFFMAN: Yes, there was. The floor
- 6 indication light indicated between 2 and 3. The elevator
- 7 seemed to stop momentarily and then continued down to 2,
- 8 which is elevation 261.
- 9 MR. CONTE: When you come in on 261 of the aux
- 10 service building, you found darkness?
- MR. HOFFMAN: Yes, I did.
- 12 MR. CONTE: No emergency lighting?
- MR. HOFFMAN: Did not seem to be. I did not
- 14 notice any on -- actually made the phone call, reported back
- up to the control room. The stairways were dark also.
- MR. JORDAN: Did you have a flashlight?
- 17 MR. HOFFMAN: Yes, I did.
- MR. JORDAN: Glad you had a flashlight?
- MR. HOFFMAN: Yes, I am. It got real dark.
- MR. CONTE: The stairways in the aux service
- 21 building were?
- 22 MR. HOFFMAN: That is correct.
- MR. CONTE: How many stairways are in this aux
- 24 service building, just that one?
- MR. HOFFMAN: Yes. It gets from the 261 entrance

e e • •

CASE IN THE

- 1 into the plant up to the control building. There's three
- 2 flights of stairs.
- MR. CONTE: And the nearest here-here was where?
- 4 In that same building?
- 5 MR. HOFFMAN: Yes, it was. It was probably from
- 6 the elevator it was 35 feet away.
- 7 MR. CONTE: Was that black in that area too?
- 8 MR. HOFFMAN: Yes, it was.
- 9 MR. CONTE: No emergency lighting?
- MR. HOFFMAN: Did not notice any.
- The lighting was on and where we found the plant
- 12 phone, which is in the locker room, the lighting was on in
- 13 there though.
- 14 MR. CONTE: That's interesting.
- [Laughter.]
- 16 MR. CONTE: Lighting in the stairways and
- 17 elevators dark -- do the elevators have emergency lighting
- 18 in them?
- MR. HOFFMAN: I really couldn't tell you, off
- 20 hand. I would have to look again.
- MR. CONTE: Okay. Good. On monitoring reactor
- 22 pressure and level can you tell me the highest and the
- lowest of the two parameters that you ever observed?
- 24 MR. HOFFMAN: What I can remember is we started
- out at a reactor pressure of 964 pounds, reactor water, the

1 T • · · 1

- 1 highest you want for reactor water was off scale on my meter
- 2 which is greater than 200 inches. The lowest I saw -- that
- 3 I can remember reactor water getting was, I would have to
- 4 say, not positively, but I would say in the 150 range -- 149
- 5 range. The lowest -- reactor pressure continued on,
- 6 dropping down -- I can't remember exactly what the pressure
- 7 got to, it got down to 590, I do remember, but I think it
- 8 continued on lowering after that.
- I do know that it seemed to stop twice when it was
- 10 decreasing. It seemed to settle out for a minute or two --
- 11 MR. CONTE: Level?
- MR. HOFFMAN: Level. Yeah. It seemed to settle
- and then it continued on dropping again.
- MR. CONTE: Okay. Do you happen to know what the
- 15 RCIC initiation is -- initiation setting is?
- MR. HOFFMAN: I'm not really sure. I think it is
- 17 -- well, single low level is, I think 158.8. I am not
- 18 positive. And the SSS called to start at 159. I'm pretty
- 19 sure that was the number he called and started it at.
- As I said before, a licensed operator was doing
- 21 many of those functions, just happened to be he gauge next
- 22 to mine.
- MR. CONTE: You must have overheard the -- I guess
- the operator who was controlling RCIC indicated going from
- 25 automatic to manual, did he give a reason? Did you hear a

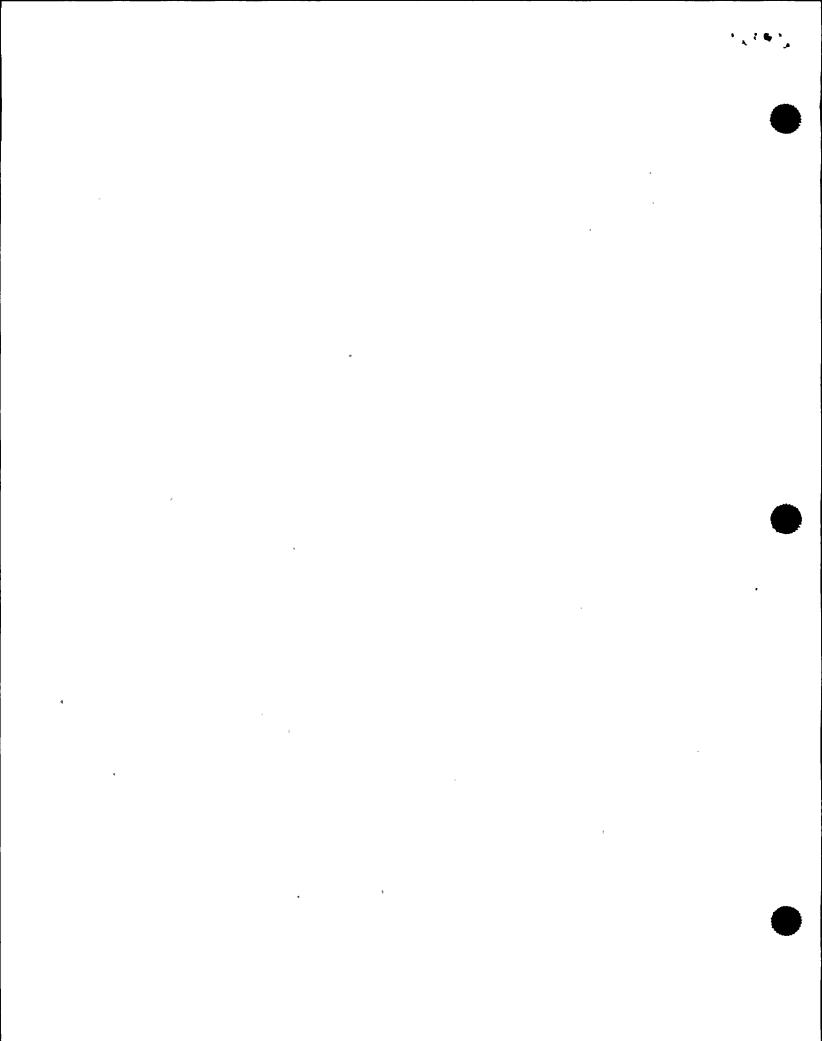
, ', , e ,"

ı

.

Company Company

- J. 3 1 3 .
 - 1 reason?
 - MR. HOFFMAN: The best that I can remember, as I
 - 3 said, I was more intently watching what I was told to do --
 - 4 was to do -- the flow was erratic and the flow meters seemed
 - 5 to erratic in auto. So, he announced he was switching over
 - 6 to manual.
 - 7 MR. CONTE: The flow was erratic. Okay. Did you
 - 8 offer an explanation as to why the reactor level went high?
 - 9 Did you hear or did you know anything?
 - MR. HOFFMAN: Not that I remember. I don't really
 - 11 remember why. The only thing I could think of, is as we
 - 12 started injecting flow, it came up and then even though we
 - 13 backed off, it was still coming on.
 - MR. CONTE: You didn't hear any emotional
 - 15 statement from anyone like "Oh no" or --
 - MR. HOFFMAN: No.
 - MR. CONTE: Okay.
 - MR. HOFFMAN: Everything was very professional in
 - 19 there.
 - MR. CONTE: And when he got that Level 8, he shut
 - 21 down RCIC?
 - MR. HOFFMAN: He was shut down before he hit Level
 - 23 8 if I remember correctly.
 - MR. CONTE: And that was -- is that normal -- did
 - you happen to know if that is normal practice to shut down



(31 2. 1

- 1 RCIC before the Level 8 function comes in?
- MR. HOFFMAN: I'm not trained in the control room
- 3 aspects of the systems. I'm more into plant at this time.
- 4 MR. CONTE: That's a fair answer. All right.
- 5 Mike, jump in, if you've got anything.
- 6 MR. JORDAN: I've got just a couple questions.
- 7 Did -- you say it went off scale, high on level, did it stay
- 8 there, did it come back down?
- 9 MR. HOFFMAN: It stayed there for a while and then
- 10 came back down. It went -- on the wide range it went off
- 11 scale and, as I said before, I'm not real familiar with the
- 12 control rooms --
- MR. JORDAN: Did it come back down to the point
- 14 where they had to restart RCIC? Did it come back down and
- 15 they were controlling it elsewhere outside of RCIC?
- MR. HOFFMAN: It came back down, but they never
- 17 restarted RCIC. They came back down within acceptable
- 18 range.
- MR. JORDAN: Do you know what range it was in?
- MR. HOFFMAN: No, I can't remember, off hand. As
- 21 I said, they started to control with condensate boosters.
- MR. JORDAN: So as far as you know RCIC was only
- 23 used one time?
- MR. HOFFMAN: That is correct.
- MR. JORDAN: Okay. You mentioned that you were at

•

- Kan in
 - 1 the 250 foot area in the Hoggers, what building is that in?
 - 2 MR. HOFFMAN: That is in the turbine building.
 - MR. JORDAN: Turbine building. And you had the
 - 4 RAD monitor that was close to the area alarming?
 - 5 . MR. HOFFMAN: That is correct.
 - 6 MR. JORDAN: And you read it at ten to the --
 - 7 MR. HOFFMAN: Ten to the minus first.
 - 8 MR. JORDAN: And then you said there was another
 - 9 alarm?
 - MR. HOFFMAN: Um hm.
 - MR. JORDAN: That you -- actually near that you
 - 12 came across? Do you have any idea where that was at? Same
 - 13 Elevation?
 - MR. HOFFMAN: Same elevation, the east end of the
 - 15 building versus the first alarm was on the west end of the
 - 16 building.
 - 17 MR. JORDAN: And that one was alarming and it was
 - 18 reading?
 - MR. HOFFMAN: Ten to the minus one, again.
 - MR. JORDAN: Same thing?
 - MR. HOFFMAN: Yes, sir.
 - MR. JORDAN: Okay. And at that time you notified
 - 23 the control room, is that correct?
 - 24 MR. HOFFMAN: I notified the control room the
 - 25 first -- after they told me about the high radiation level

·

i

J. 3 8 34.0

- 1 the 277 annunciator being in, I then looked around to make
- 2 sure that the ones on my level -- because I'm right below
- 3 that, weren't in and they turned out to be. I then told the
- 4 control room I was leaving the area.
- 5 MR. JORDAN: Is the alarm an audible? Is it a
- 6 visual -- what?
- 7 MR. HOFFMAN: It's a visual. The alarm that was
- 8 going was visual. There is also audible, but the visual is
- 9 what I noticed it was pretty loud down there. I didn't even
- 10 get right next to it. I got close enough to be able to see
- 11 what the level was and then proceeded out of the building.
- MR. JORDAN: That's how you -- in other words you
- 13 didn't hear the audible alarm, you noticed the visual
- 14 alarm?
- MR. HOFFMAN: That is correct.
- MR. JORDAN: Or a light, what's the --
- 17 MR. HOFFMAN: It's a flashing light. It's like a
- 18 siren light or police light.
- MR. JORDAN: Okay. So it's a red light that
- 20 flashes, is that correct?
- MR. HOFFMAN: That's correct.
- MR. JORDAN: Okay. The communications at that
- 23 time were working? What were you using?
- MR. HOFFMAN: I was using the here-here system.
- 25 By that time the UPS's -- our power had been restored to the

a a

•

·

•

.

annunciators and here-here systems. MR. JORDAN: So after that time you knew of no other problems as far communications with the control room? You were out in the plant doing other activities for the day? MR. HOFFMAN: That is correct. MR. JORDAN: Okay. MR. CONTE: I'm done. MR. JORDAN: So am I. MR. CONTE: Let's go off the record. [Whereupon, at 11:20 a.m., the taking of the interview was concluded.]

• ز کا ایک عش

و لا الله الله

1

T. Company

•

•

REPORTER'S CERTIFICATE

This is to certify that the attached proceedings before the United States Nuclear Regulatory Commission

in the matter of:

NAME OF PROCEEDING: Int. of ERIC HOFFMAN

DOCKET NUMBER:

PLACE OF PROCEEDING: Scriba, N.Y.

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

JON HUNDLEY

Official Reporter Ann Riley & Associates, Ltd.

english to the specific of the