

ORIGINAL

07-100A-91

OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency: Nuclear Regulatory Commission
Incident Investigation Team

Title: Nine Mile Point Nuclear Power Plant
Interview of: JEFFRY POOR

Docket No.

LOCATION: Scriba, New York

DATE: Wednesday, August 21, 1991

PAGES: 1 - 9

ANN RILEY & ASSOCIATES, LTD.

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

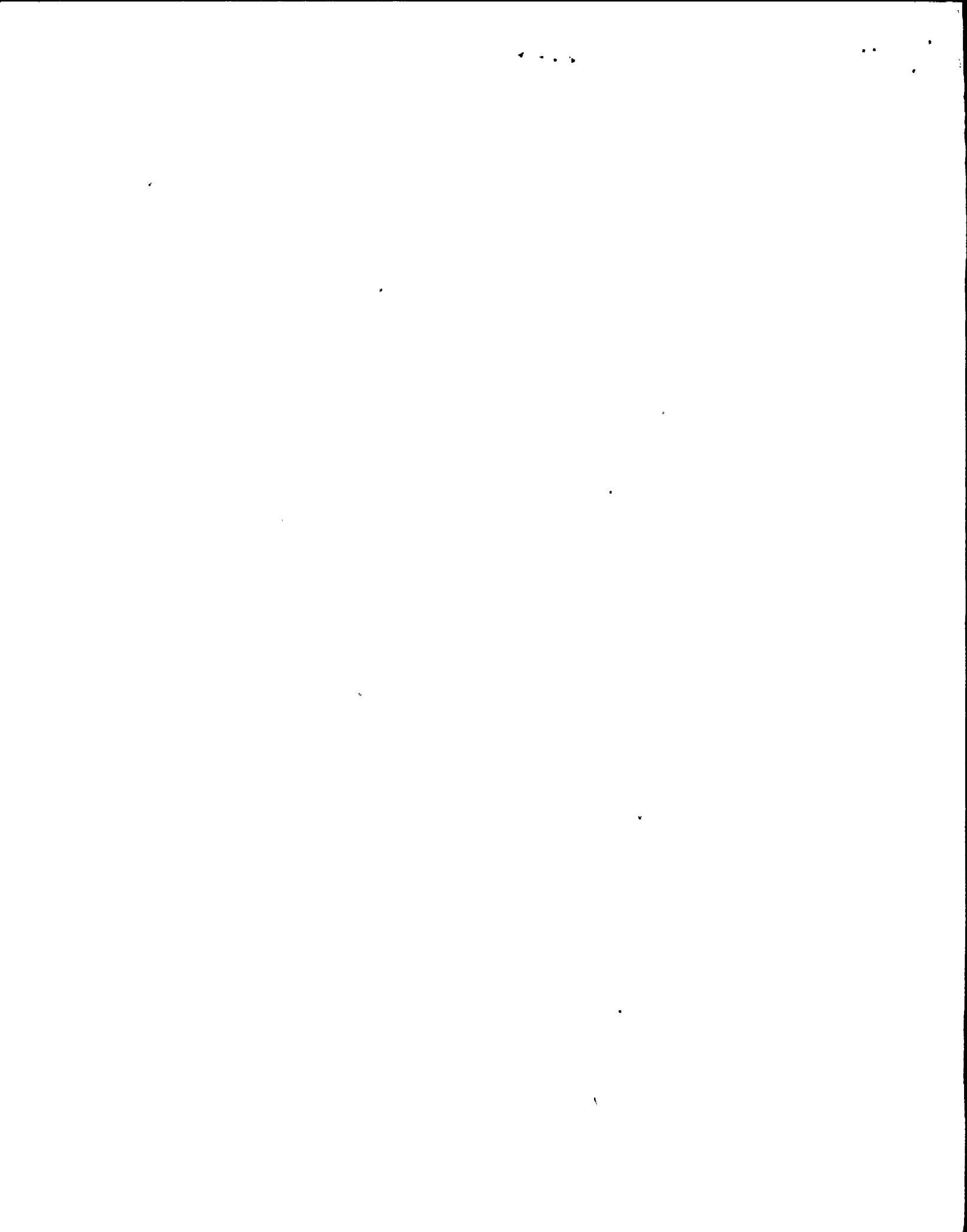
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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
INCIDENT INVESTIGATION TEAM

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Interview of :
JEFFREY POOR :
(Closed) :

Conference Room A
Administration Building
Nine Mile Point Nuclear
Power Plant, Unit Two
Lake Road
Scriba, New York 13093
Wednesday, August 21, 1991

The interview commenced, pursuant to notice,
at 4:40 p.m.

PRESENT FOR THE IIT:
Frank Ashe, NRC
Jose Ibarra, NRC



P R O C E E D I N G S

[4:40 p.m.]

1
2
3 MR. ASHE: My name is Frank Ashe, and this is the
4 NRC. Jeff, could you provide us your name, please, and who
5 you work for and a little about your history?

6 MR. POOR: Okay. My name is Jeffrey Poor. I work
7 in the electrical maintenance department at Unit Two. I've
8 been working for the company for 10 years. I've been out
9 here since 1984 in the electrical maintenance department.
10 Previous to that, I was an operator at the Oswego steam
11 plant.

12 MR. ASHE: Now, your history of maintenance
13 activities with UPS -- could you describe, as far as Nine
14 Mile Two, your typical maintenance activities with the
15 particular UPS.

16 MR. POOR: What we do on the UPS system is, on a
17 weekly basis we get a PM program that has been established
18 through the department and I guess throughout the plant. We
19 go down and take voltage readings' and amperage readings on
20 the UPS systems that are put out. We check the filters and
21 make sure if they're clean or not, and periodically we will
22 work with the I&C department to work on WRs, work requests,
23 as far as maintaining the UPS systems.

24 That's pretty much it.

25 MR. IBARRA: This is Jose Ibarra, from the NRC



1 also.

2 Jeff, when you go ahead and take readings, is that
3 off the meter, the panel?

4 MR. POOR: Yes.

5 MR. IBARRA: You don't open up the cabinet?

6 MR. POOR: Well, if we have to work with I&C and
7 they're doing a specific WR, a lot of times we'll have to
8 open up the panels and take readings down the bus. We have
9 for a few occasions had to go down and replace fuses that
10 have blown on the systems, worn-out fuses, where you have to
11 open the panels up in the energizer unit and replace a blown
12 fuse.

13 MR. IBARRA: Do you know the procedure number that
14 you follow for the regular maintenance aspect of it?

15 MR. POOR: Not off the top of my head I don't.

16 MR. IBARRA: Okay.

17 MR. ASHE: You mentioned something about PM
18 activities and replacing the filters. Could you describe
19 for us other PM activities you do, other than replacement of
20 filters or checking the filters? Do you recall any offhand?

21 MR. POOR: I know there are PMs -- no, I think
22 those are WRs. We work with a lot of procedures, and I
23 would have to check.

24 MR. ASHE: Okay. Not right offhand.

25 MR. POOR: No, I don't.



1 MR. ASHE: All right.

2 As far as restoration of the UPS that had gone
3 down during the August 13 event, could you describe for us
4 what your involvement in the activities was, as best you can
5 recall?

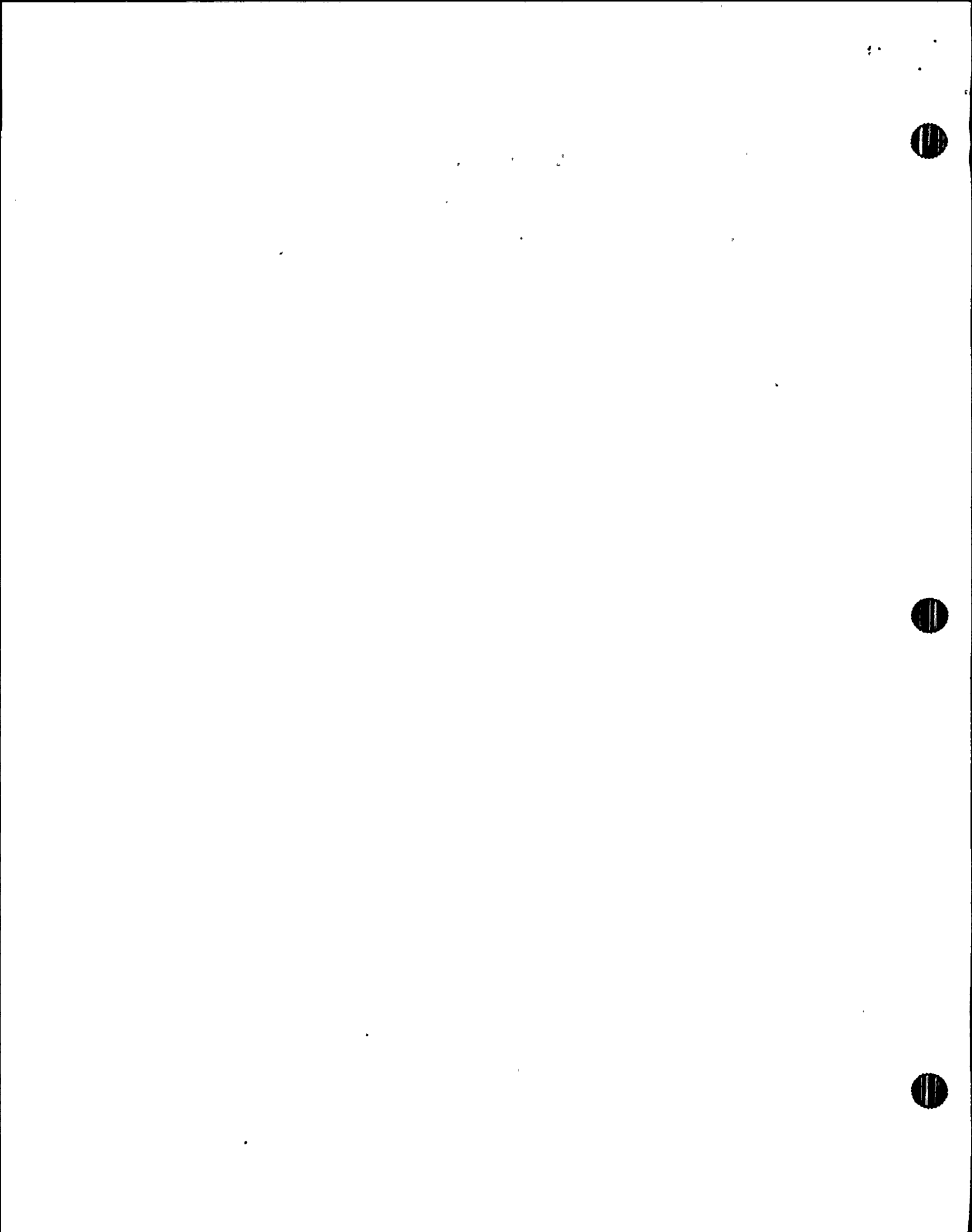
6 MR. POOR: Do you mean when we came in on the
7 damage repair team?

8 MR. ASHE: That's correct.

9 MR. POOR: Okay.

10 I was assigned to a damage repair team to work
11 with Bob Crandall and Perry Bertch when I came in that day.
12 We went out to the job site at elevation 237. The UPS
13 system is down there. I can't recall the operators -- two
14 operators were there; I don't recall their names. They were
15 sent down, assigned to us, to help us start up the UPS
16 systems.

17 When you start a UPS system up, it's a maintenance
18 function -- excuse me. It's an operator's function to start
19 the UPS system up. There's a sequence that they have to
20 follow when they start the systems up after they've tripped.
21 The operators came down with their books for their sequence,
22 and we proceeded to try to start the UPS systems up
23 individually. I guess it was the command center that
24 specified which UPS they wanted started first and the
25 sequence thereafter, and we proceeded to start them up.



1 MR. ASHE: During the initial startup of the
2 UPS's, did you observe any anomalies that, based on your
3 past experience with these particular devices here, you
4 would call any abnormalities on the restart, if you will, or
5 the startup?

6 MR. POOR: When I got down there, all the UPS
7 doors were open. The breakers, the motor-charge breakers --
8 all of them were tripped, weren't recharging. The doors
9 were open where they had been -- you're supposed to do it
10 automatically. The doors were open --

11 MR. ASHE: When you say "doors," are you talking
12 about doors to the UPS?

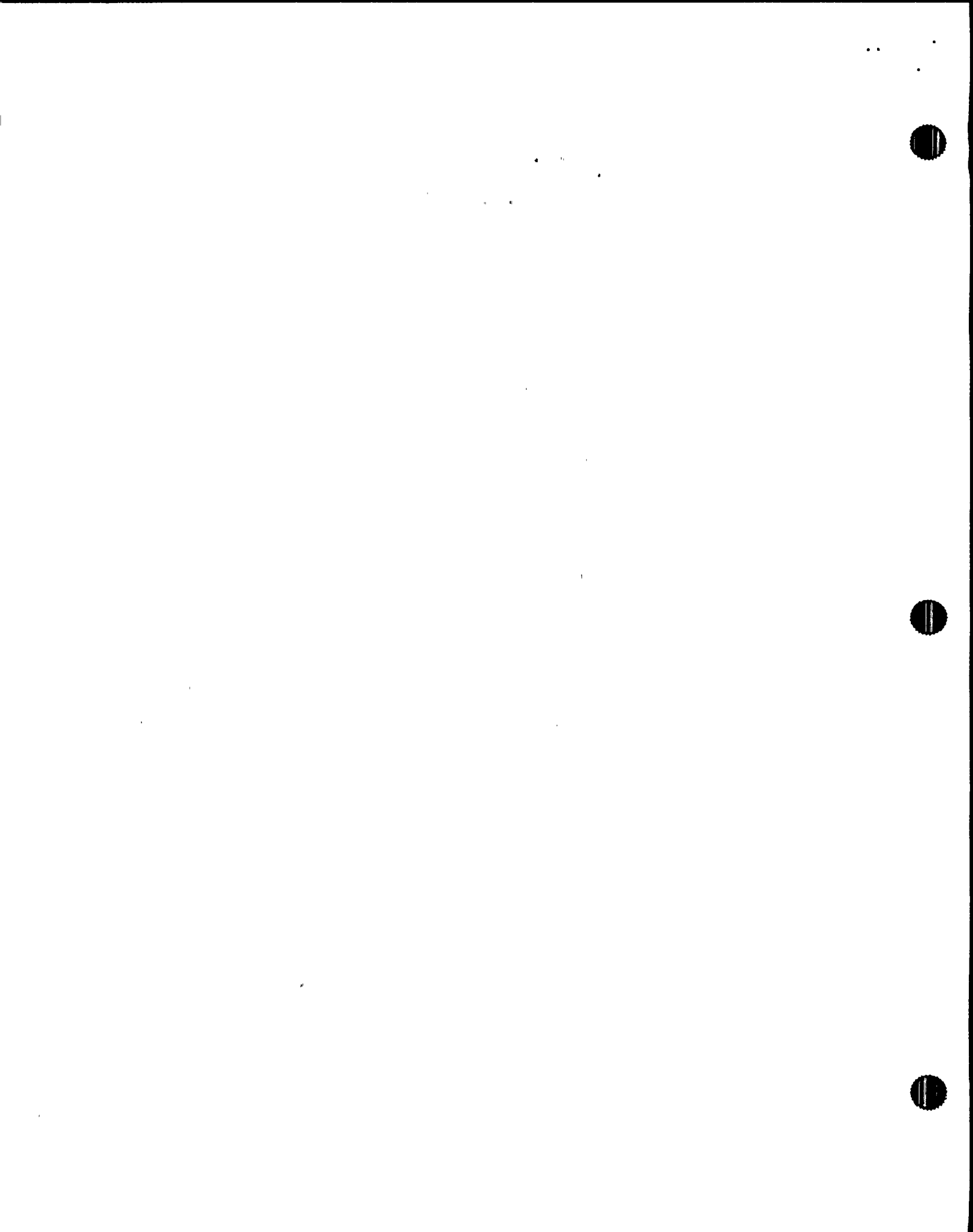
13 MR. POOR: The doors to the breaker enclosure.

14 MR. ASHE: Okay.

15 MR. POOR: I don't know how to explain it.
16 There's a latch on the bottom that you have to open up to
17 manually cycle the breaker if it doesn't work automatically
18 by the motor.

19 MR. ASHE: Okay. Now, the doors being open, what
20 would that indicate to you that actually occurred with that
21 breaker?

22 MR. POOR: That the breaker had tripped and it
23 would not reset -- the breaker was off or the breaker was
24 tripped and it would not reset automatically by the motor;
25 they tried to do it by hand.



1 MR. ASHE: Okay.

2 MR. IBARRA: Jeff, can you tell me when this was?
3 This was on the 13th, the day of the event?

4 MR. POOR: Yes.

5 MR. IBARRA: Do you recall the time?

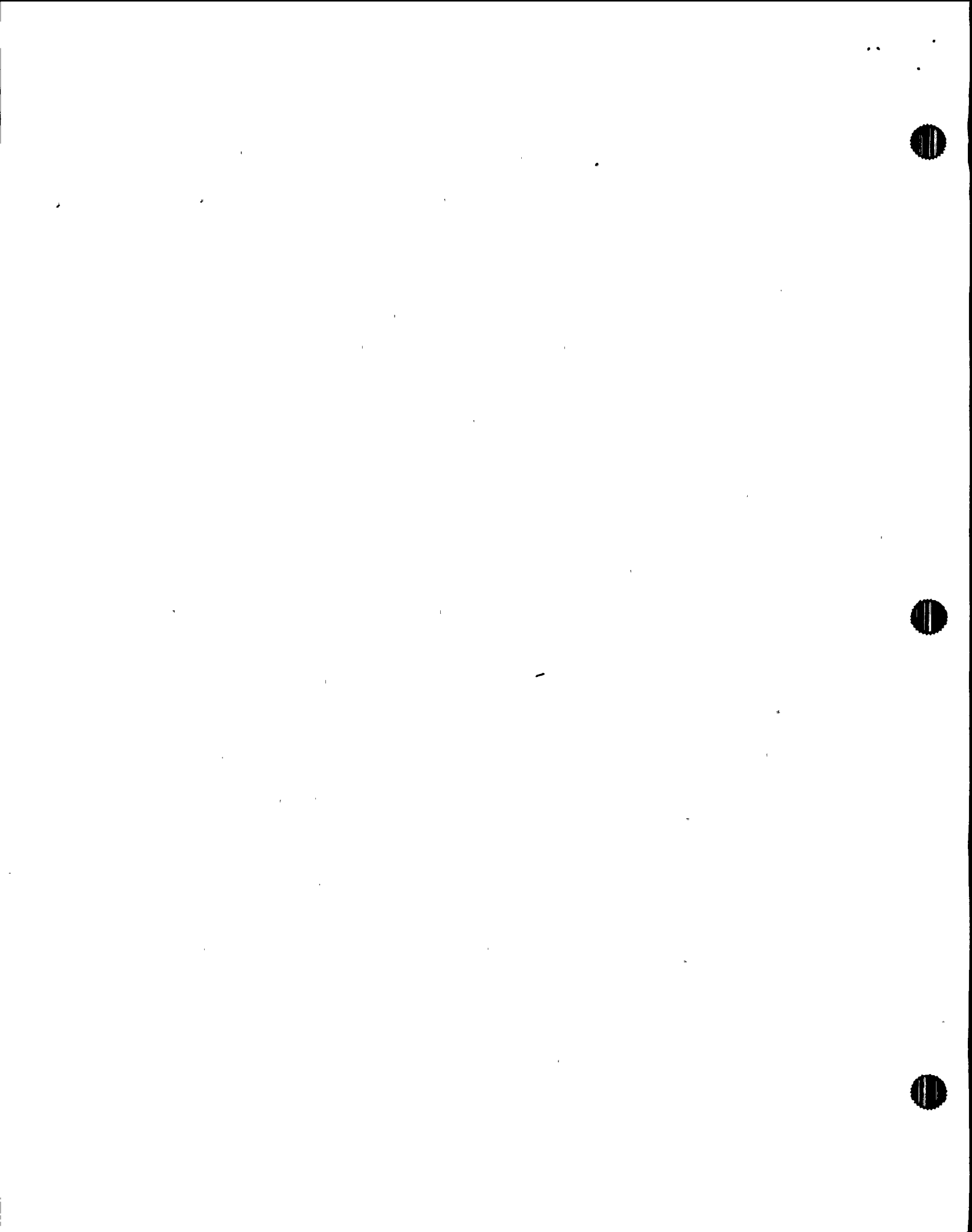
6 MR. POOR: All I do recall is that we were gone
7 for a while, and I remember we were back around 10:30, 11:00
8 in the morning -- we were done with what we had to do. I
9 don't recall exactly how long we were out, because I got in
10 at about 8:00 that morning.

11 MR. IBARRA: When you first got to the UPS, did
12 you all record any SES information at that point? Did
13 anybody record the settings or breaker positions or any data
14 whatsoever?

15 MR. POOR: When I got to the UPS system, the
16 operators, as far as I was aware, had already recorded -- I
17 was there assisting the I&C department. They took down
18 notes. Bob Crandall had notes on what was where. Bob also
19 referenced deficiency tags and hung them on the UPS systems
20 themselves to write specific WRs for the problems on the UPS
21 systems -- on the individual UPS which we could not start.

22 MR. ASHE: Now, when you say the doors on the
23 breakers were open, can you describe what's involved in
24 manually resetting that and closing those breakers?

25 MR. POOR: What you have to do there is, on the



1 door, if it does not manually reset -- the motor would force
2 it to reset on the indicator thing. What we had to do was,
3 we lifted the door up, we'd take a screwdriver and screw the
4 -- this would be like an actuator -- to the closed position.
5 Then we would reset the breaker by hand to put it into the
6 on position. Then we would put the cover back down, as if
7 it was done automatically by the motor. If we did not move
8 that actuator on the door, when we put it down it would trip
9 the breaker back off.

10 MR. ASHE: Okay.

11 Now, on these UPS, do you recall preceding the
12 event any abnormalities that you're aware of?

13 MR. POOR: No. We had to work the previous
14 weekend -- we worked with I&C, Perry Bertch again, and
15 another I&C fellow; I don't remember his last name, but
16 Bill something. We were sent down to clean the SCRs,
17 dismantle, and apply a light film of grease to the SCRs. We
18 did that to the -- I'm not sure what number it was, but it
19 was one of the ones on 237. Previously we had done the
20 other UPS systems, on 214 and 237. It was, I guess, a
21 preventive maintenance thing that they had discussed. Bob
22 Crandall was running the show on that, because they felt
23 that they grease for the SCRs wasn't there or had dried up.
24 For them to conduct properly, they needed a light film of
25 grease, so we pulled them out, dusted everything all off,



1 cleaned them up, applied a light film of grease, then
2 reinstalled them and started the units back up.

3 MR. ASHE: So when you went down to do that
4 activity, the units were operating, and really it wasn't
5 that you were correcting something that was broken.

6 MR. POOR: No. It was just maintenance.

7 MR. IBARRA: Over the years that you've been here,
8 you have worked on those UPS.

9 MR. POOR: Yes.

10 MR. IBARRA: Several times?

11 MR. POOR: Yes.

12 MR. IBARRA: Who was leading the activities in
13 this damage-recovery team?

14 MR. POOR: Bob Crandall.

15 MR. ASHE: Have you worked on a class 1E UPS?

16 MR. POOR: Yes.

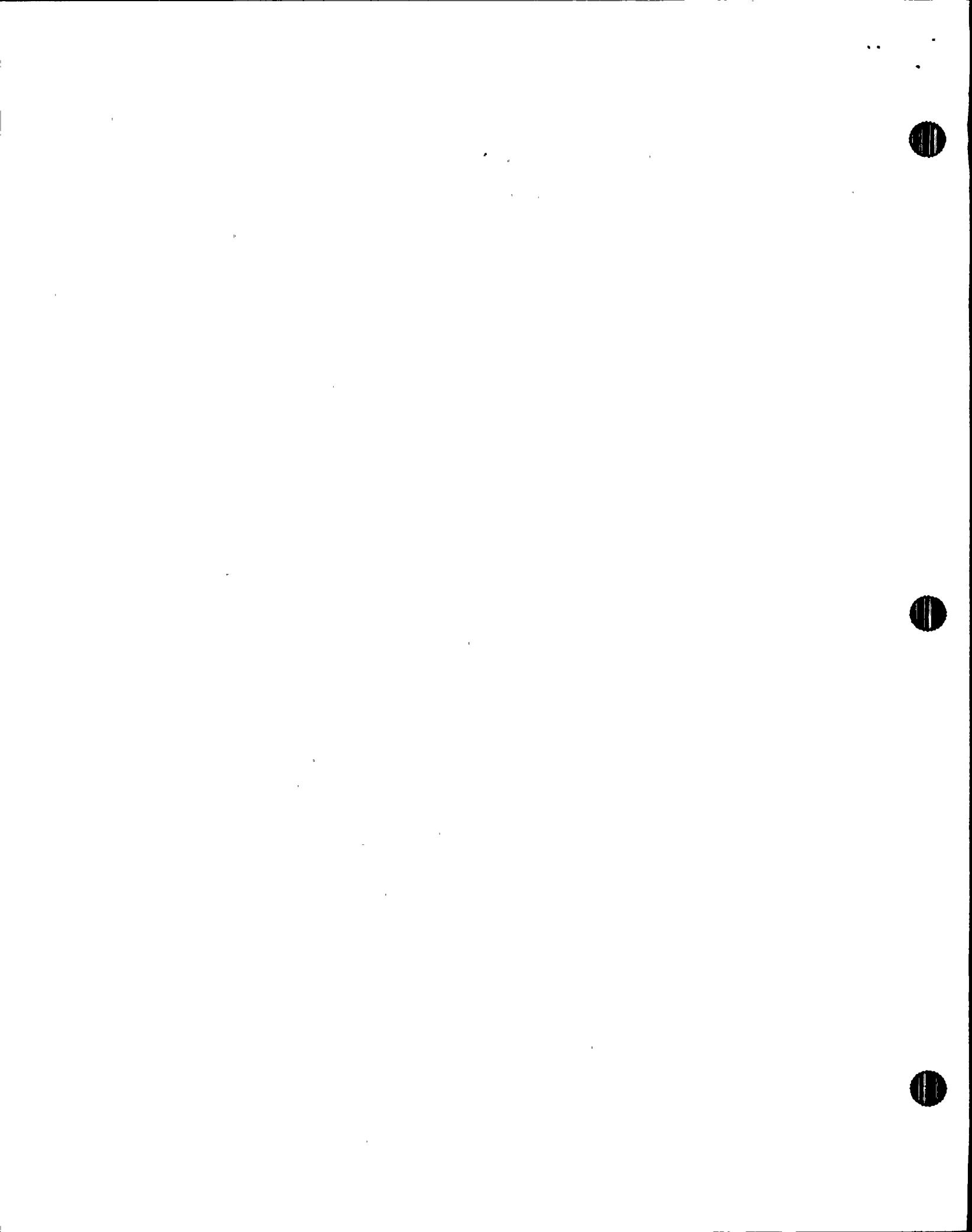
17 MR. ASHE: Would you have an opinion as to why you
18 feel that those may not have been lost during this event, as
19 opposed to the non-class-1E that were lost?

20 MR. POOR: No.

21 MR. ASHE: Are you aware of any type of design
22 changes or modifications on the current UPS that might be
23 taking place as a result of this event?

24 MR. POOR: No.

25 MR. ASHE: Is there anything that you would like



1 to say that I haven't asked?

2 MR. IBARRA: Jeff, when going down there at the
3 time, can you tell me what was dark and what wasn't dark?

4 MR. POOR: Excuse me?

5 MR. IBARRA: When you were going down the
6 corridors --

7 MR. POOR: When I was there, everything was lit.

8 MR. IBARRA: Everything was lit, but I mean, as
9 far as getting down to 237.

10 MR. POOR: The route I took, everything was lit.
11 I travelled from Unit One, from the TSC. I travelled
12 outside the plant, walked all the way over to our shop,
13 which is outside by the lake, grabbed my tools, some meters,
14 and I proceeded around to the front of the plant, in by the
15 cardox tank on 261 elevation, and through the switch gear
16 and down the stairs. Everything was lit, just like every
17 day.

18 MR. IBARRA: There were no corridors that were --?

19 MR. POOR: No.

20 MR. IBARRA: Okay.

21 MR. ASHE: I think that's it.

22 MR. POOR: That finishes it?

23 [Whereupon, at 4:54 p.m., the taking of the
24 interview was concluded.]

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 JEFFRY POOR

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.



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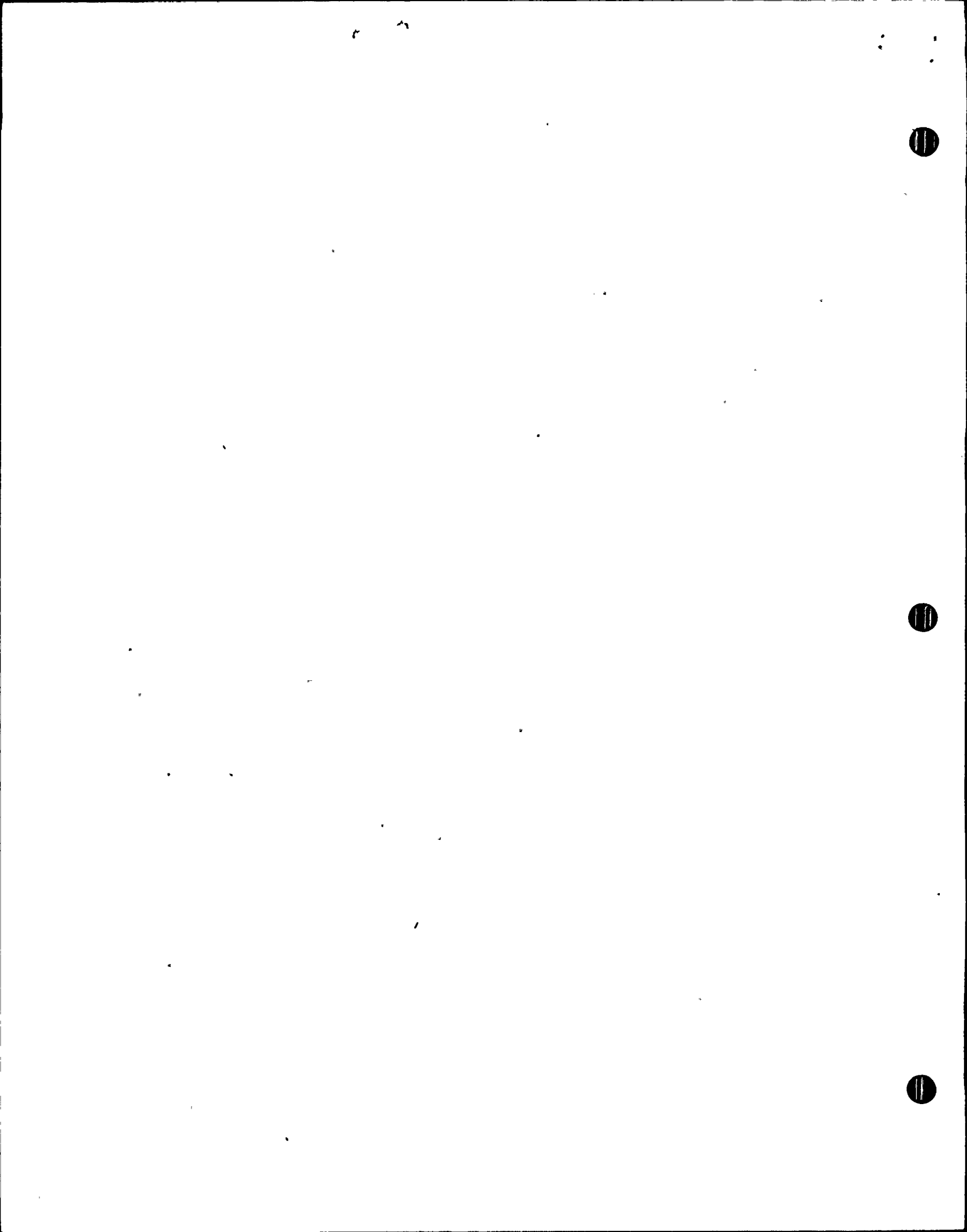
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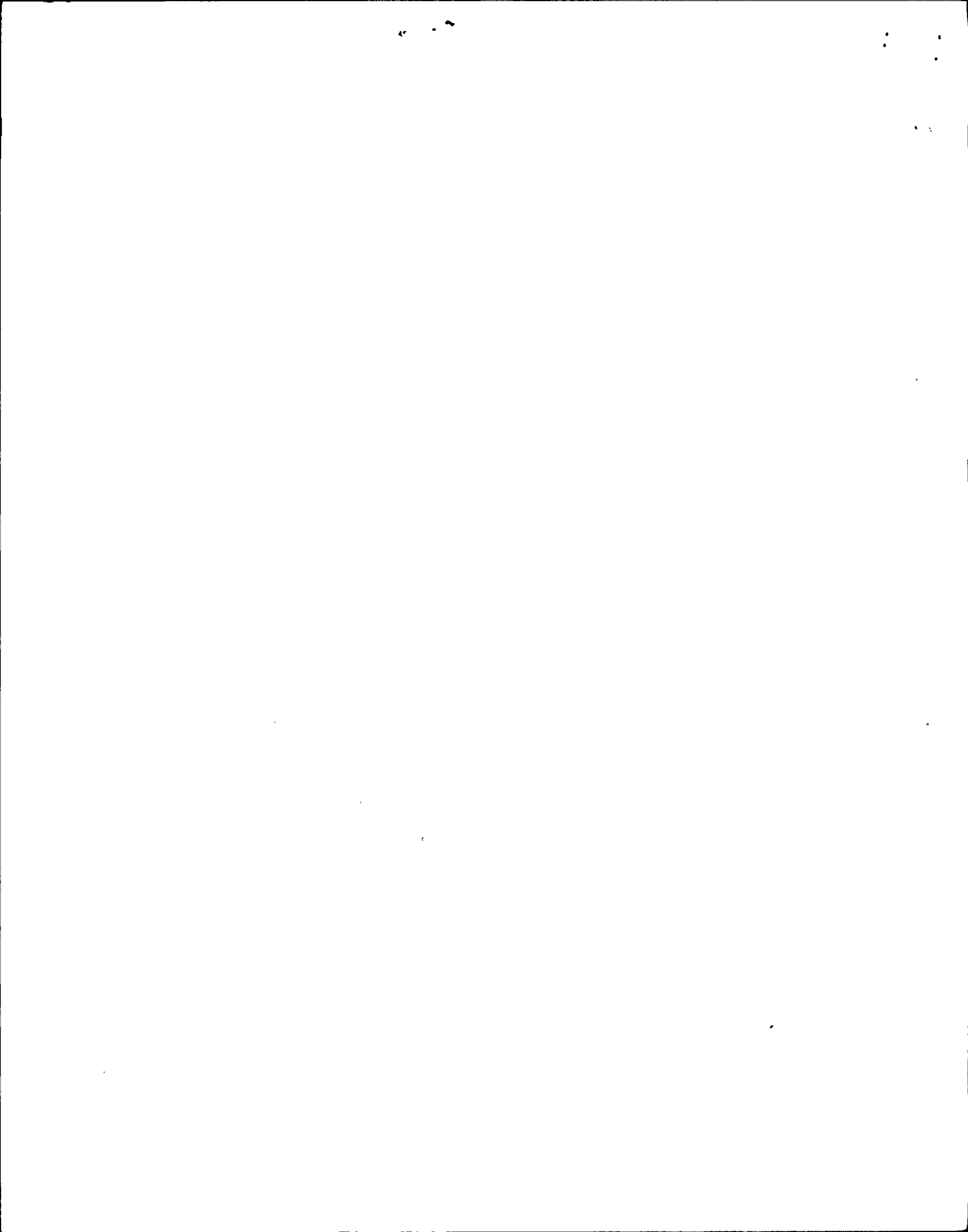
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INCIDENT INVESTIGATION TEAM

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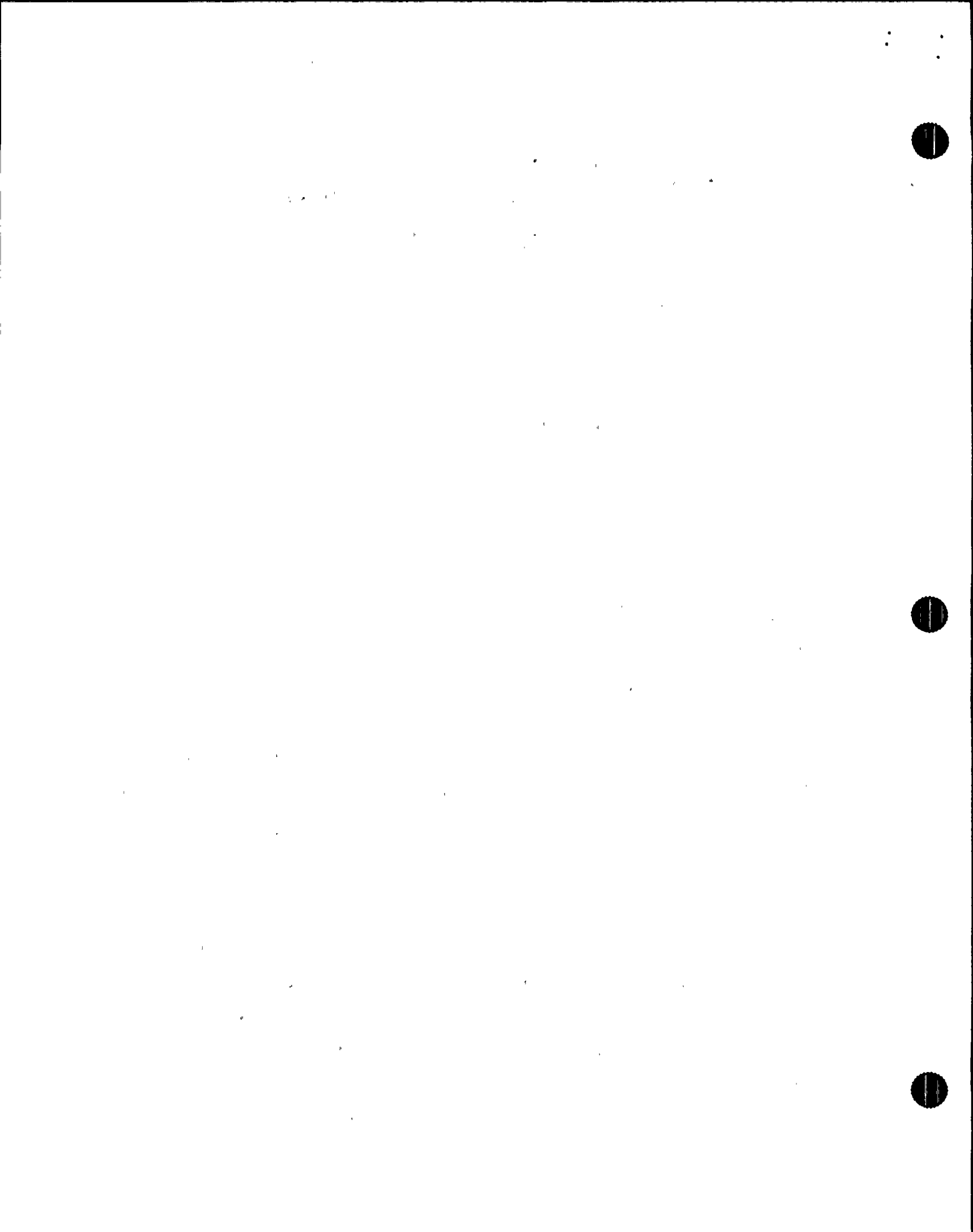
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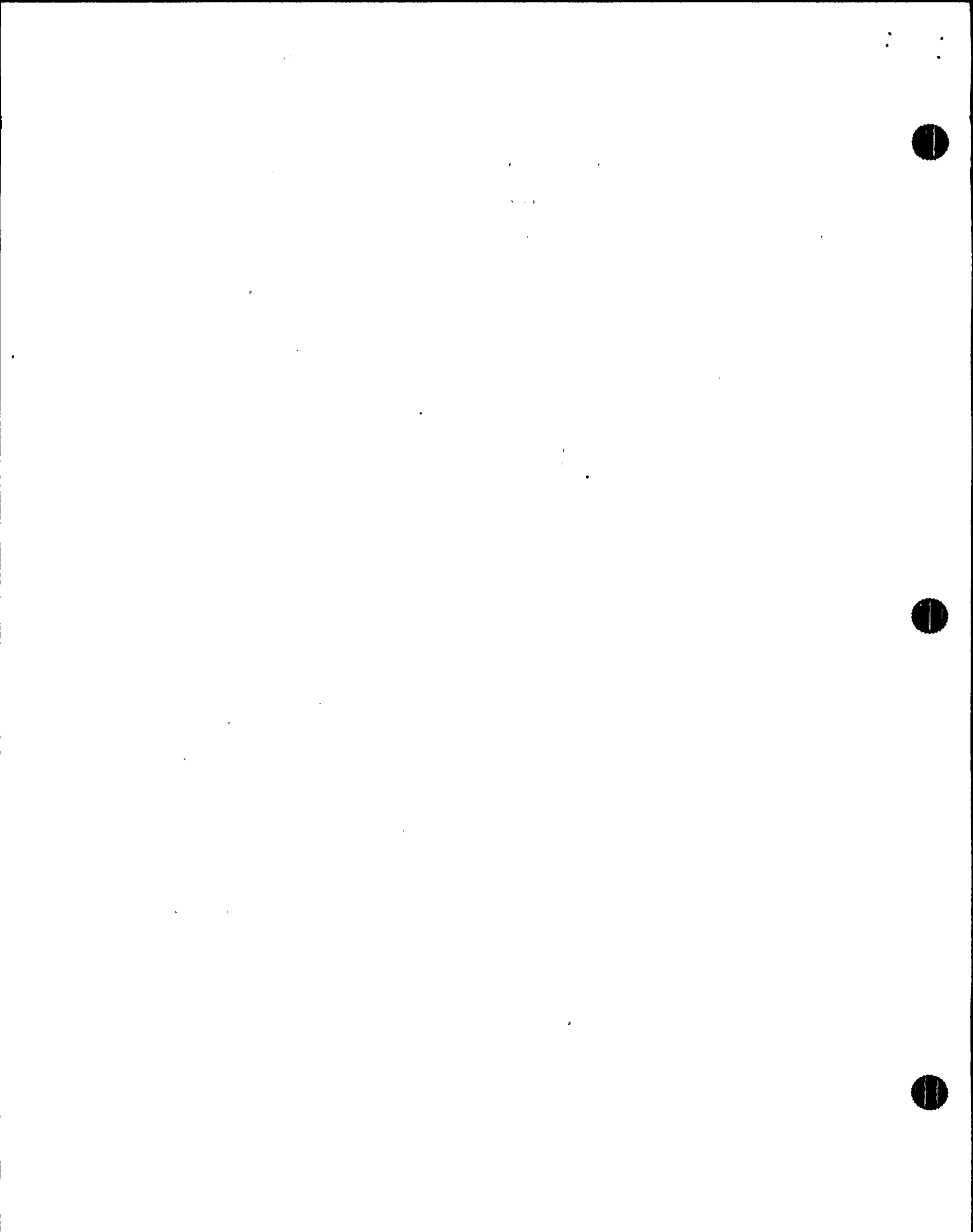
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7 MR. IBARRA: Over the years that you've been here,
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9 MR. POOR: Yes.

10 MR. IBARRA: Several times?

11 MR. POOR: Yes.

12 MR. IBARRA: Who was leading the activities in
13 this damage-recovery team?

14 MR. POOR: Bob Crandall.

15 MR. ASHE: Have you worked on a class 1E UPS?

16 MR. POOR: Yes.

17 MR. ASHE: Would you have an opinion as to why you
18 feel that those may not have been lost during this event, as
19 opposed to the non-class-1E that were lost?

20 MR. POOR: No.

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22 changes or modifications on the current UPS that might be
23 taking place as a result of this event?

24 MR. POOR: No.

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3 time, can you tell me what was dark and what wasn't dark?

4 MR. POOR: Excuse me?

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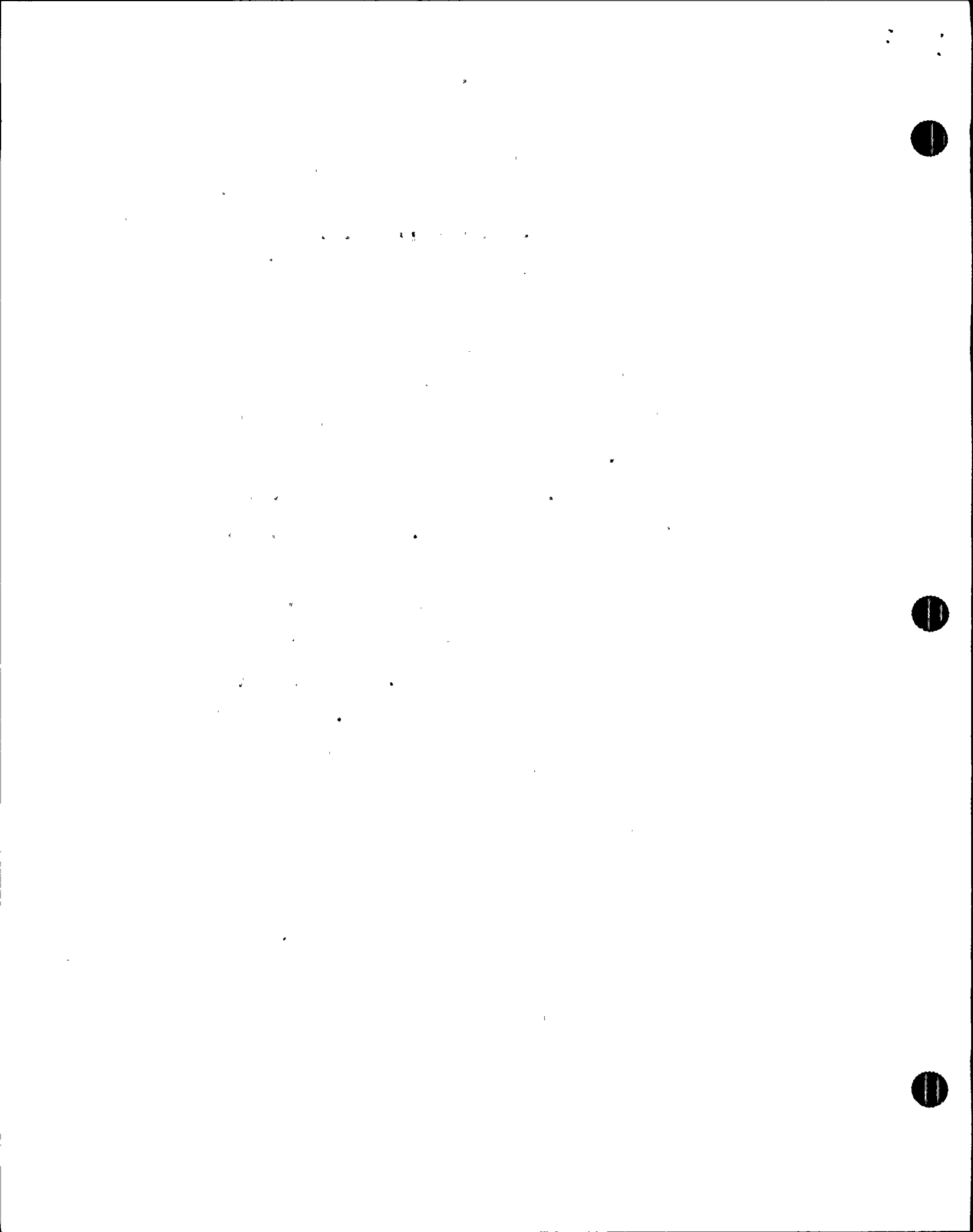
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25



REPORTER'S CERTIFICATE

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NAME OF PROCEEDING: Int. of JEFFRY POOR

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.

