

ORIGINAL

91-101A-91

OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency: Nuclear Regulatory Commission
Incident Investigation Team

Title: Nine Mile Point Nuclear Power Plant
Interview of: RICHARD DeLONG

Docket No.

LOCATION: Scriba, New York

DATE: Wednesday, August 21, 1991

PAGES: 1 - 14

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Exhibit 3-1 (continued)

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ADDENDUM TO INTERVIEW OF

Richard DeLong Jr.

(Name/Position)

Page

Line

Correction and Reason for Correction

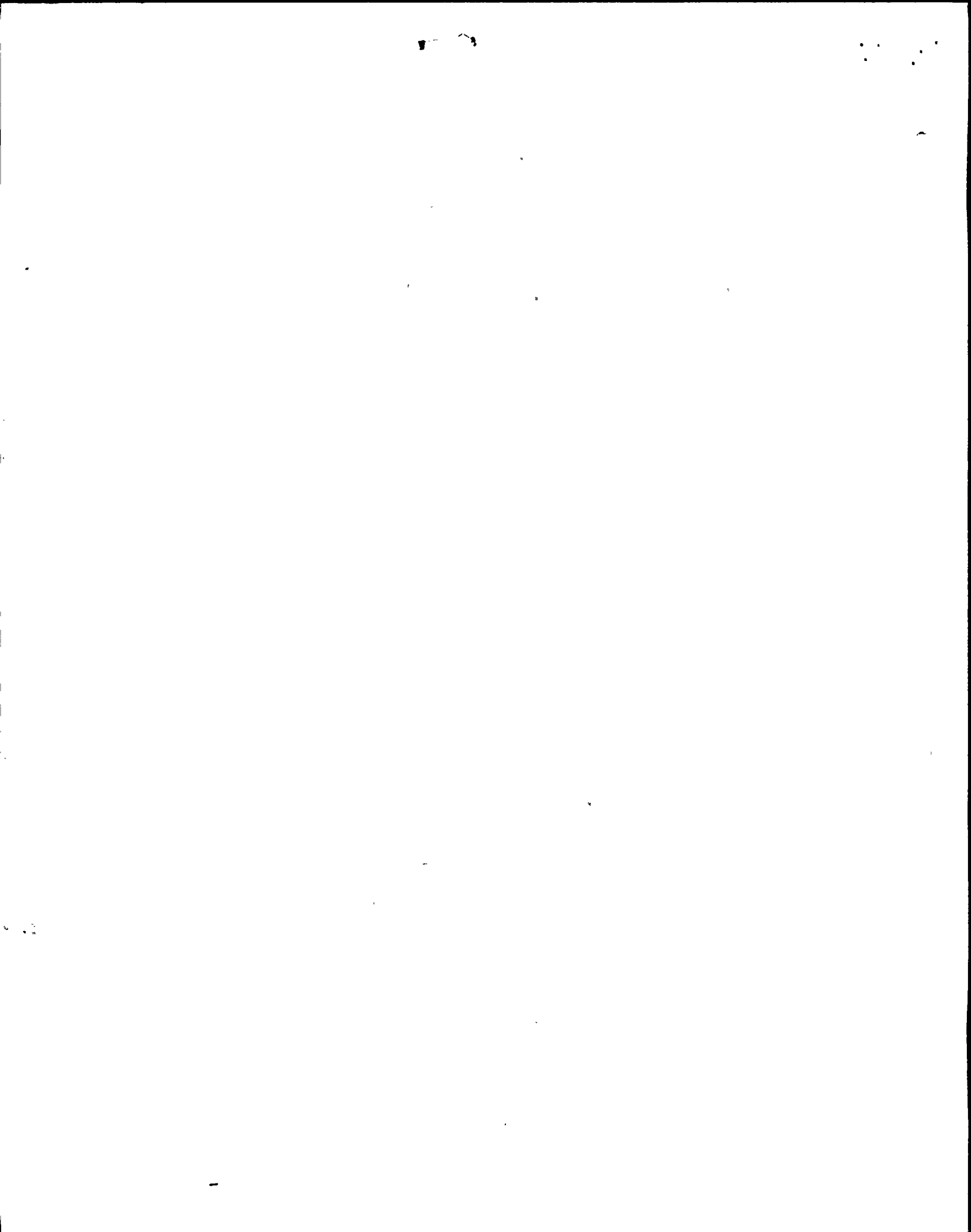
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Page ___ of ___

Signature

Richard DeLong Jr.

Date 8/23/91



UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
INCIDENT INVESTIGATION TEAM

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Interview of :
RICHARD DeLONG :
(Closed) :

Conference Room B
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 11:58 a.m.

PRESENT FOR THE IIT:
Michael Jordan, NRC
Rich Conte, INPO

10

11



P R O C E E D I N G S

[11:58 a.m.]

1
2
3 MR. JORDAN: It's August 21, 1991. It's almost 12
4 o'clock noon. We're at the Nine Mile Point Unit Two, in the
5 P building. We're conducting interviews concerning a
6 transient that occurred on August 13, 1991. My name is
7 Michael Jordan. I'm with the NRC, out of Region III.

8 MR. CONTE: I'm Rich Conte, Region I.

9 MR. DeLONG: Richard DeLong, Unit Two non-LOT
10 operator.

11 MR. JORDAN: Okay, Rich. They don't you just give
12 us a general background of what your experience is and what
13 your position at the power plant are.

14 MR. DeLONG: I'm a non-licensed operator, and I
15 have six years' experience at Unit Two in operations.
16 Previous to that, I was a carpenter in local 747 for one
17 year. Previous to that, I was a temporary mechanic at
18 FitzPatrick for four outages. Previous to that, I was in
19 the U.S. Coast Guard for four years.

20 MR. JORDAN: Why don't you just in your own words
21 give us -- were you assigned day shift, swing shift? What
22 shift were you assigned?

23 MR. DeLONG: Day shift.

24 MR. JORDAN: So you were coming on the shift.

25 MR. DeLONG: Yes.

11



1 MR. JORDAN: Why don't you give us an idea of
2 about what time in the morning you passed the gate and give
3 us an idea of what your day was like.

4 MR. DeLONG: I passed the day probably at ten
5 minutes to 6 and was informed of the reactor scram sometime
6 thereafter -- shortly thereafter, probably five minutes to
7 6 -- so I went directly to the control room. On the way, of
8 course, there was only emergency lighting on. When I
9 entered the control room, I found it funny that, for a
10 reactor scram, there were no annunciators, annunciator
11 lights very minimal -- and, mainly, the full-core display
12 was dark.

13 MR. CONTE: I'm sorry. I didn't catch -- you said
14 something about emergency lights on the way to the control
15 room. Could you be a little more specific as to what areas
16 were dark, which ones had emergency lights?

17 MR. DeLONG: The elevator was dark.

18 MR. CONTE: Is this the elevator in the auxiliary
19 service building?

20 MR. DeLONG: That's correct.

21 MR. CONTE: Okay.

22 MR. DeLONG: The lighting in the hallways was
23 intermittent. There were lights in one section and dark in
24 the other.

25 MR. CONTE: Lights in which hallways, the aux

11



1 service building?

2 MR. DeLONG: Yes, the aux service building.

3 So I just took it to being there was emergency
4 lighting.

5 MR. CONTE: You just took it what?

6 MR. DeLONG: To being it was emergency lighting.
7 It wasn't normal lighting.

8 MR. CONTE: Oh, okay.

9 Let me make sure I understand. Some of the
10 fluorescent lights in the building are considered essential,
11 and there are others that have the battery packs. When you
12 say that you assume it was emergency lighting, what do you
13 mean? It was essential, on the fluorescents, or the battery
14 packs?

15 MR. DeLONG: Battery packs.

16 MR. CONTE: Did you see any of the battery packs
17 lit?

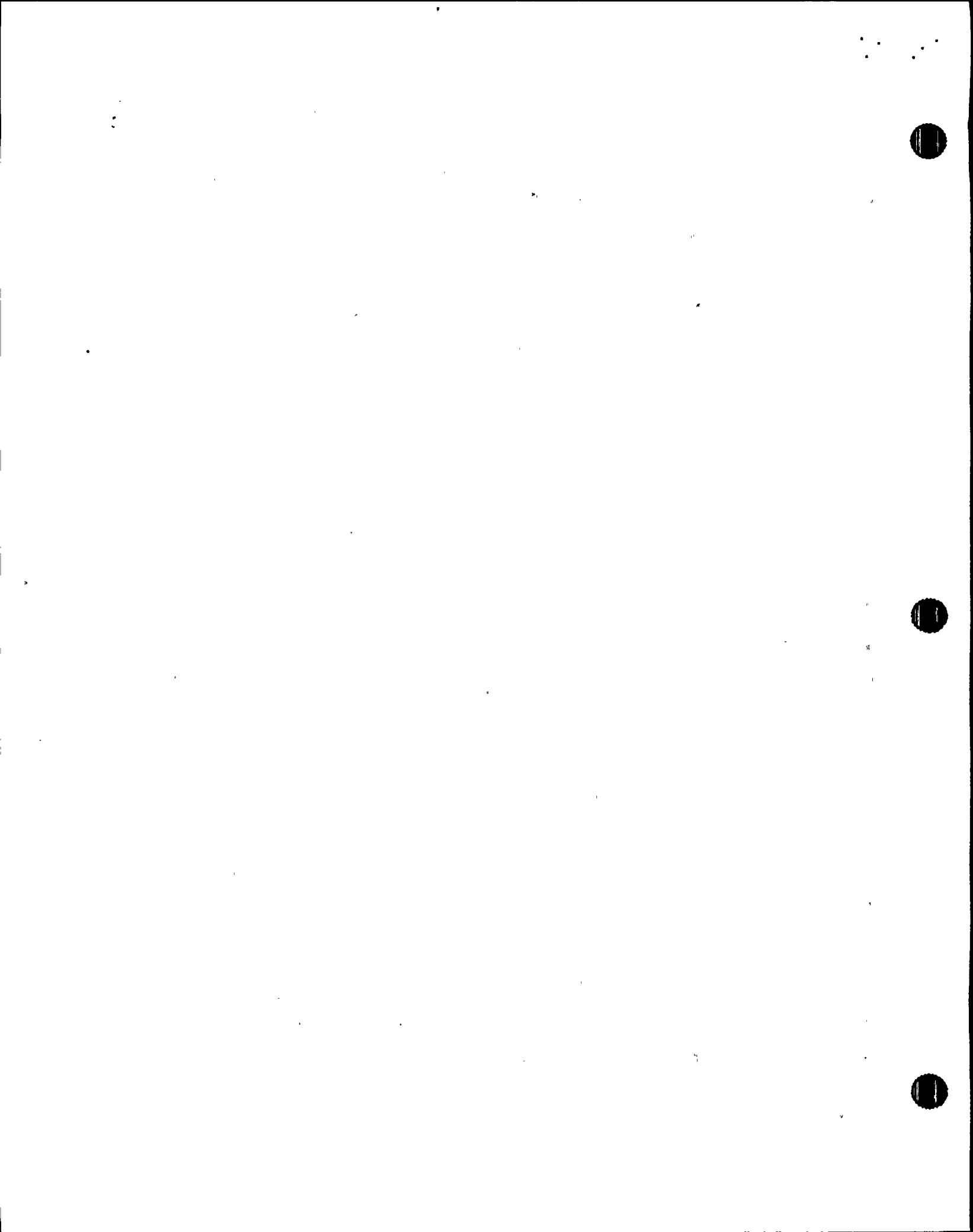
18 MR. DeLONG: No, I did not.

19 MR. CONTE: Okay. Good.

20 MR. JORDAN: Any other questions in that area,
21 Rich?

22 MR. CONTE: No, keep going in the run-down. You
23 were in the control room --

24 MR. JORDAN: In the control room, no annunciators,
25 lights lit; full core display was --



1 MR. DeLONG: Dark.

2 MR. JORDAN: Dark. Okay.

3 MR. DeLONG: Non-lit.

4 MR. JORDAN: Okay.

5 MR. DeLONG: I just stood back and waited for a
6 job to be presented to me.

7 MR. JORDAN: Okay.

8 MR. DeLONG: That job turned out to be cool-down
9 rate surveillance.

10 MR. JORDAN: And when did you get assigned that?

11 MR. DeLONG: Around 6 o'clock.

12 MR. JORDAN: What were you assigned to do?

13 MR. DeLONG: To take pressure readings and relate
14 that to saturation temperature, so they could get some
15 indication of the cool-down rate during the event.

16 MR. CONTE: What were you using to convert
17 pressure to saturation temperature?

18 MR. DeLONG: There was a recorder on -- I'm not
19 sure of the panel number -- by RHR B instrumentation, which
20 we were taking the pressure from. I was relaying that from
21 the SSS and CSO, so they had an idea of the given pressure
22 and saturation temperature.

23 MR. CONTE: You weren't making the conversion from
24 pressure to saturation temperature. You were just reading
25 pressure; is that correct?

11



1 MR. DeLONG: No. I was making the conversion from
2 a chart in the back of the surveillance.

3 MR. CONTE: I see.

4 MR. DeLONG: To give the information to the SSS so
5 he had an idea of what the cool-down rate was.

6 MR. CONTE: What were you using to make that
7 conversion?

8 MR. DeLONG: There was a chart in the back of the
9 surveillance in which you could relate the reactor pressure
10 to a given saturation temperature.

11 MR. CONTE: Is the name of this surveillance OSP-
12 RCS-001?

13 MR. DeLONG: I believe that's correct.

14 MR. CONTE: Okay. So if we dig out this
15 procedure, we'll see this conversion table in the back.

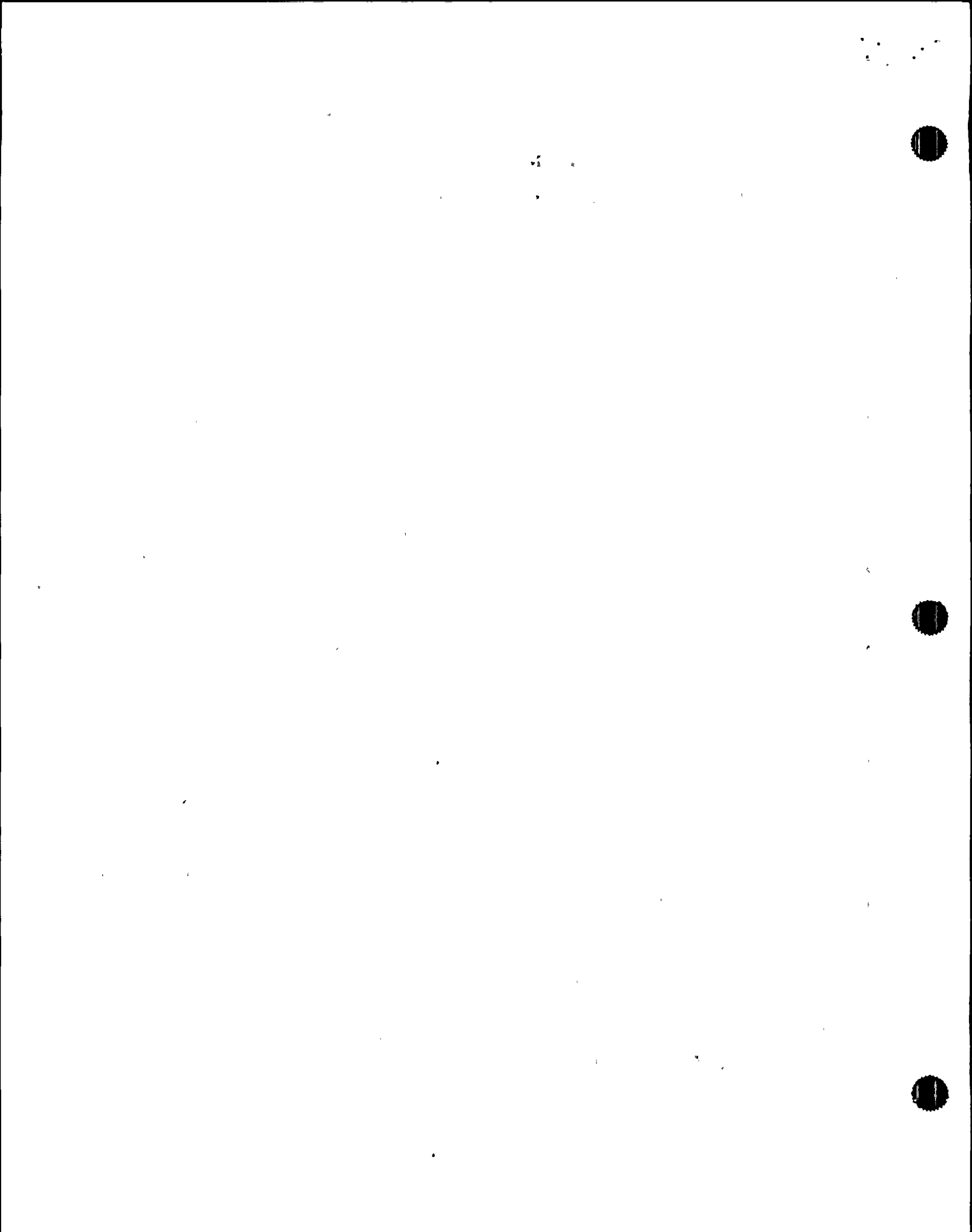
16 MR. DeLONG: That's correct.

17 MR. CONTE: Thank you.

18 Do you remember what kind of rates you were
19 calculating, degrees per hour?

20 MR. DeLONG: Not offhand, but it was within spec,
21 which is 100 degrees an hour.

22 MR. CONTE: How did you know that the instrument
23 you were taking pressure off of was good, in light of the
24 problem that you had a loss of annunciators and certain
25 other instrumentation?



1 MR. DeLONG: At the time, I was told to take it
2 from that particular recorder, which was being continually
3 monitored by another operator, whose name was Eric Hoffman.
4 MR. CONTE: Eric Hoffman?
5 MR. DeLONG: That's correct.
6 MR. CONTE: How long did you perform this job?
7 All morning?
8 MR. DeLONG: Till 18:30 that night.
9 MR. CONTE: No relief for lunch?
10 MR. DeLONG: No.
11 MR. JORDAN: So you took it all day long.
12 MR. DeLONG: Yes, I did.
13 MR. CONTE: Did you have to go to the bathroom?
14 MR. DeLONG: I did get a relief for -- that type
15 of relief.
16 [Laughter.]
17 MR. JORDAN: Did you record the data as you were
18 taking it?
19 MR. DeLONG: Yes, I did.
20 MR. JORDAN: So that the surveillance will have a
21 record of the cool-down rating --
22 MR. DeLONG: Yes, it will.
23 MR. JORDAN: -- as well as verbally telling the
24 SSS what was going on.
25 MR. DeLONG: That's correct.

11



1 MR. JORDAN: So that was your job for the full
2 day, to take the pressure and change it into temperature
3 cooldown rate?

4 MR. DeLONG: That's correct.

5 MR. CONTE: Notice anything unusual?

6 MR. DeLONG: I was just real busy so I didn't have
7 time to look around too awfully much. I was taking cooldown
8 rates every five minutes.

9 MR. CONTE: Did someone bring your lunch up there
10 and say you could eat it in the control room or what?

11 MR. DeLONG: Yes. Later in the day they brought
12 sandwiches up. I ate in the control room as I @.

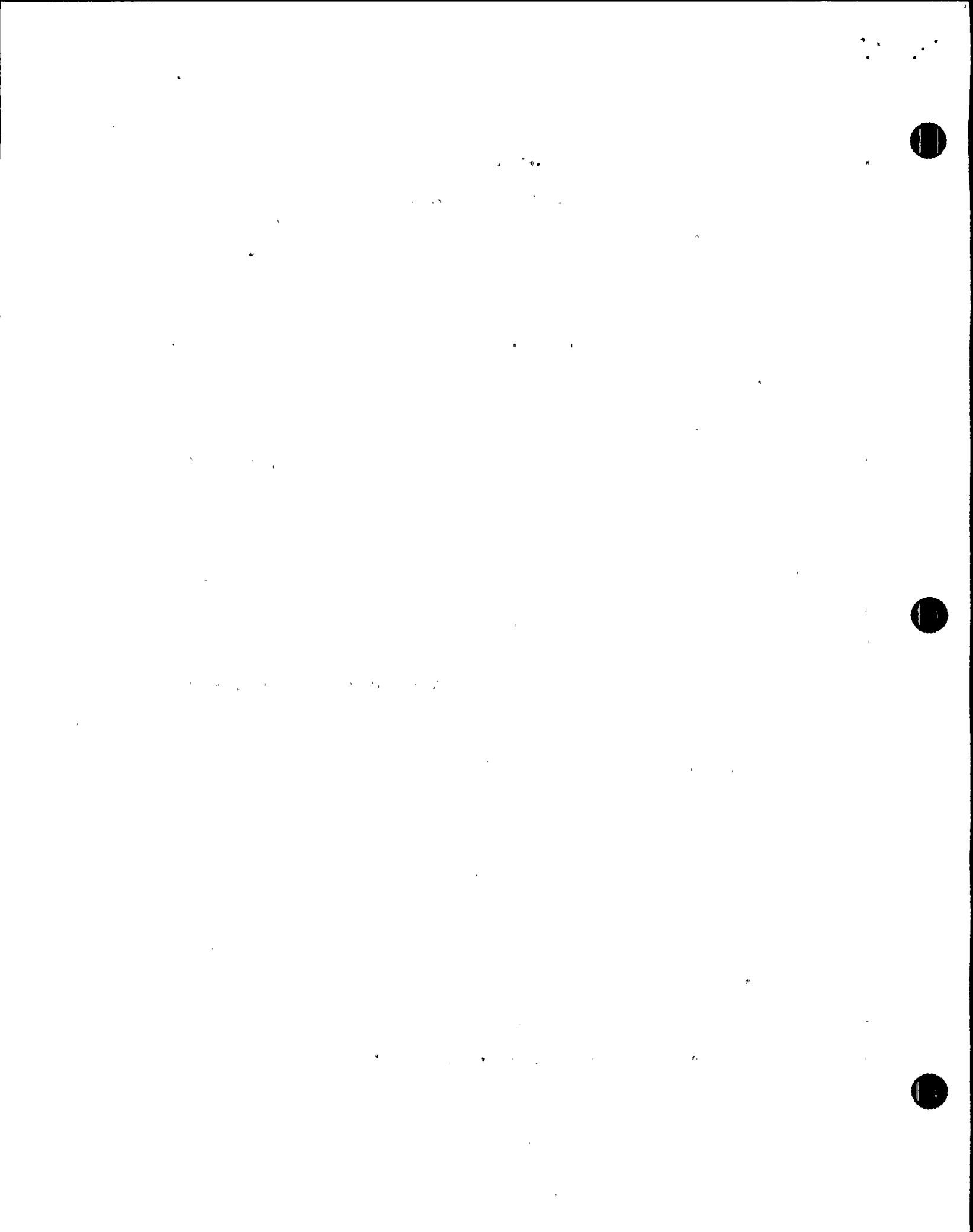
13 MR. CONTE: Did you feel that the control room was
14 overly crowded?

15 MR. DeLONG: No. It seemed that everybody had a
16 particular job they were doing in relaying the information
17 in and out of the control room as needed.

18 MR. JORDAN: Communications looked good to you?
19 Did it look like there was a panic situation going on?

20 MR. DeLONG: No. Looked good. The people that
21 they didn't have a job just stood on the outskirts waiting
22 to be picked to do whatever job that was necessary at that
23 given time.

24 MR. JORDAN: Have you ever done this before, this
25 cooldown rate? Ever got trained on this before where they



1 just assign you to do this?

2 MR. DeLONG: I have done it before.

3 MR. JORDAN: In training or here at the plant?

4 MR. DeLONG: Here at the plant.

5 MR. JORDAN: During previous transients?

6 MR. DeLONG: Not during previous transients, just
7 during normal shutdown or startup.

8 MR. JORDAN: Is this something that you people
9 have been trained to do or something that you happened to
10 have that unique knowledge of how to do it?

11 MR. DeLONG: Just happened that I had done that
12 particular surveillance before.

13 MR. JORDAN: So the SSS knew that you knew how to
14 do that?

15 MR. DeLONG: I think that he had confidence that
16 he knew that I knew how to do that surveillance.

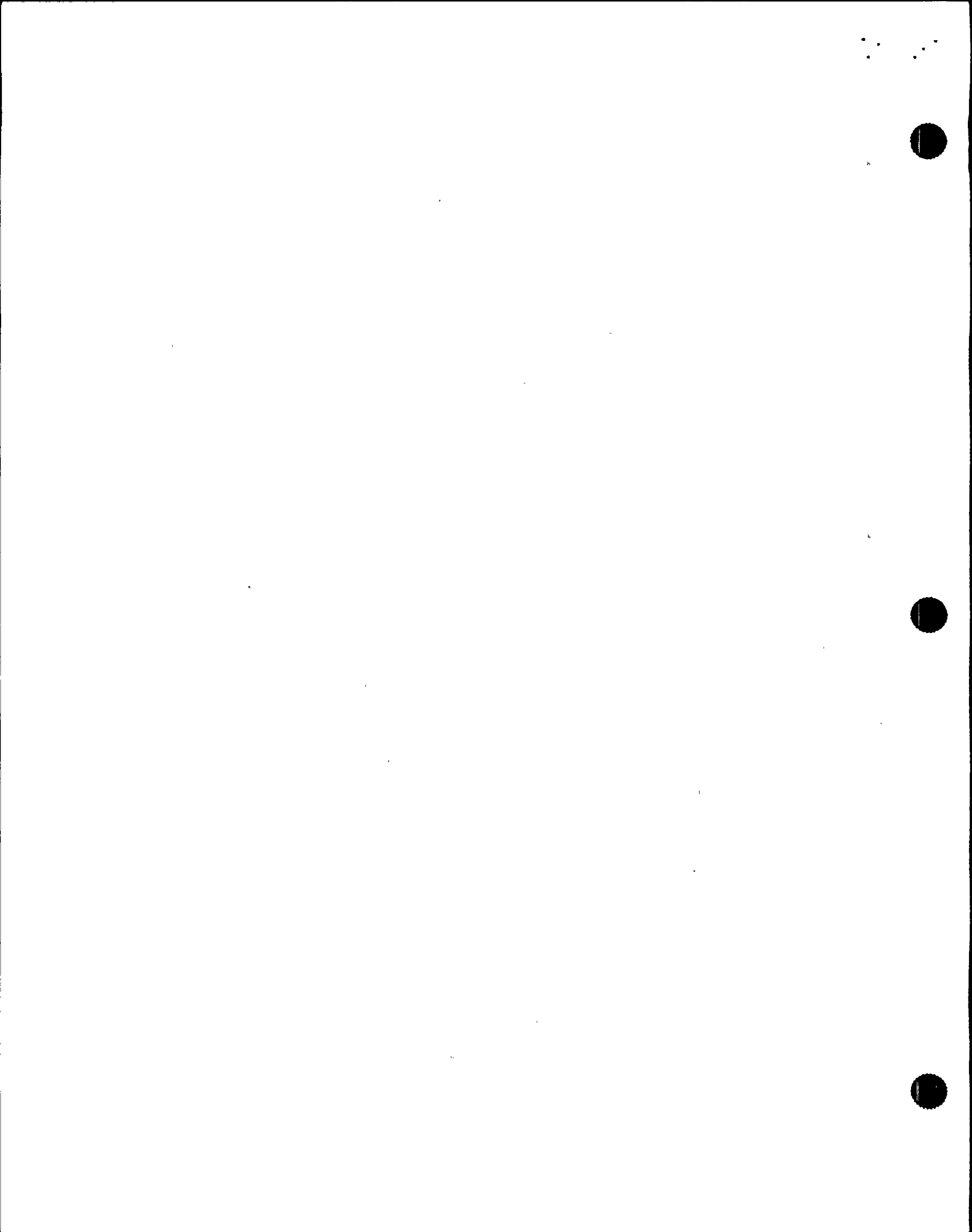
17 MR. CONTE: Are you with the day shift?

18 MR. DeLONG: Yes.

19 MR. CONTE: The individual who assigned you was
20 Eric Hoffman, is he your normal supervisor?

21 MR. DeLONG: No. He didn't assign me with the
22 surveillance. He was monitoring that particular recorder on
23 the panel for the SSS at that time and I was reading the
24 same indications in which he was reading.

25 MR. JORDAN: You were assigned the duty by your



1 normal SSS or the night shift SSS?

2 MR. DeLONG: I was assigned duty by the CSO.

3 MR. JORDAN: By the CSO?

4 MR. DeLONG: On duty at the time, which was Mark
5 Davis.

6 MR. JORDAN: Had you worked with him before?

7 MR. DeLONG: Yes, I have.

8 MR. CONTE: At 6:30 at night you left?

9 MR. DeLONG: Yes, I did.

10 MR. CONTE: They let you go home? They didn't put
11 on you another recorder, did they?

12 MR. DeLONG: No. They didn't.

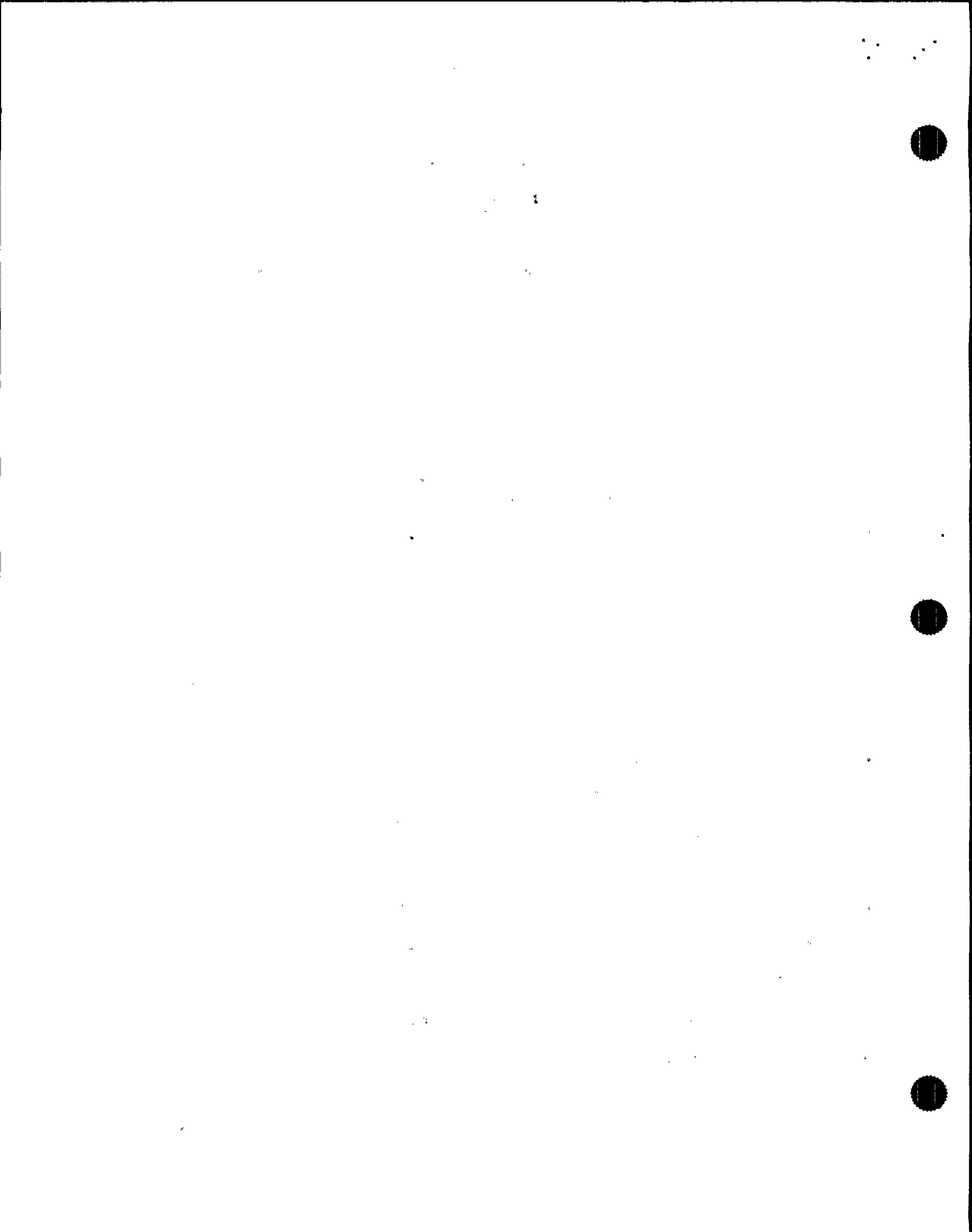
13 MR. CONTE: That must have been a gruelling day
14 for you -- it's almost like doing these interviews!

15 MR. DeLONG: No, these pressures were taken from
16 the computer screen after they restored from the event and
17 we started getting the UPS's power back up.

18 MR. JORDAN: So you went back on the recorder to
19 another location to take that --

20 MR. DeLONG: The usual surveillance, the pressure
21 isn't taken from that particular recorder. It's just that
22 it was one of the few recorders we had for a pressure
23 reading.

24 MR. JORDAN: Does the recorder just give you or
25 does it just a recorder or does it have a digital printout?



1 I don't know how these are but some of them will have a
2 digital printout of what the pressure is. You just have to
3 get it off the chart, is that how you get this data?

4 MR. DeLONG: Off of the chart.

5 MR. JORDAN: Off the chart.

6 MR. DeLONG: With the incline.

7 MR. JORDAN: With the --

8 MR. DeLONG: It has the incline indication for the
9 paper.

10 MR. JORDAN: What do you mean by incline?

11 MR. DeLONG: The needle, the indicating needle.

12 MR. JORDAN: Thank you.

13 MR. DeLONG: That aids in the position on the
14 chart.

15 MR. JORDAN: There's a scale on the charter
16 recorder and an indicator on it so you use that as well as
17 the chart paper?

18 MR. DeLONG: That's correct.

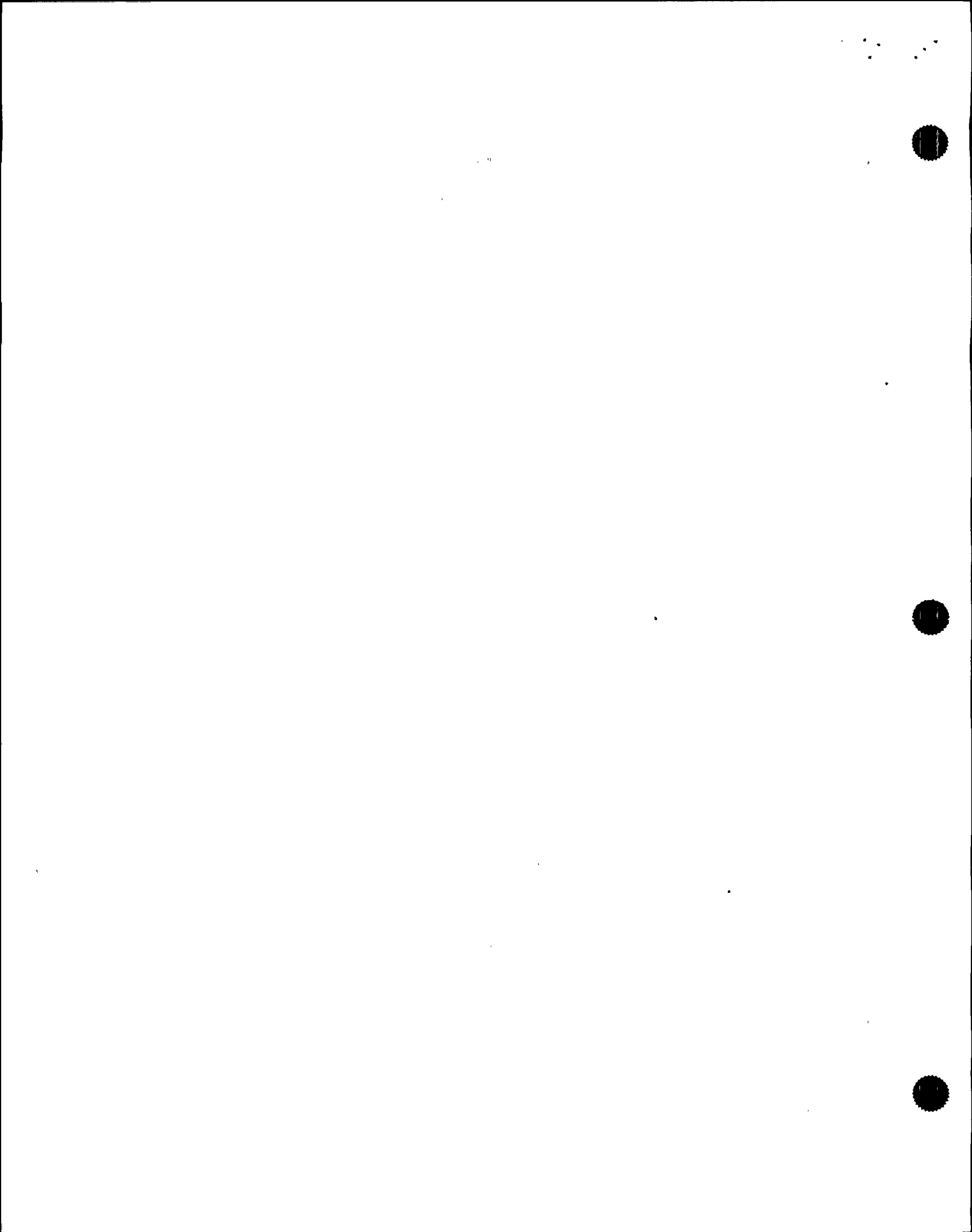
19 MR. JORDAN: I understand. Thank you.

20 MR. CONTE: Let me make sure I understand that.
21 There is a scale on the paper and there is a scale on the
22 recorder. Which one were you using to make the call?

23 MR. DeLONG: The scale on the recorder.

24 MR. CONTE: On the recorder?

25 MR. DeLONG: Yes.



1 MR. CONTE: Not the paper?

2 MR. DeLONG: That's correct.

3 MR. CONTE: That's the way you have been taught?

4 MR. DeLONG: I've been shown to take the pressure
5 reading from the scale on the recorder itself.

6 MR. CONTE: Okay. Go ahead.

7 MR. JORDAN: I've got nothing else.

8 MR. DeLONG: Thank you.

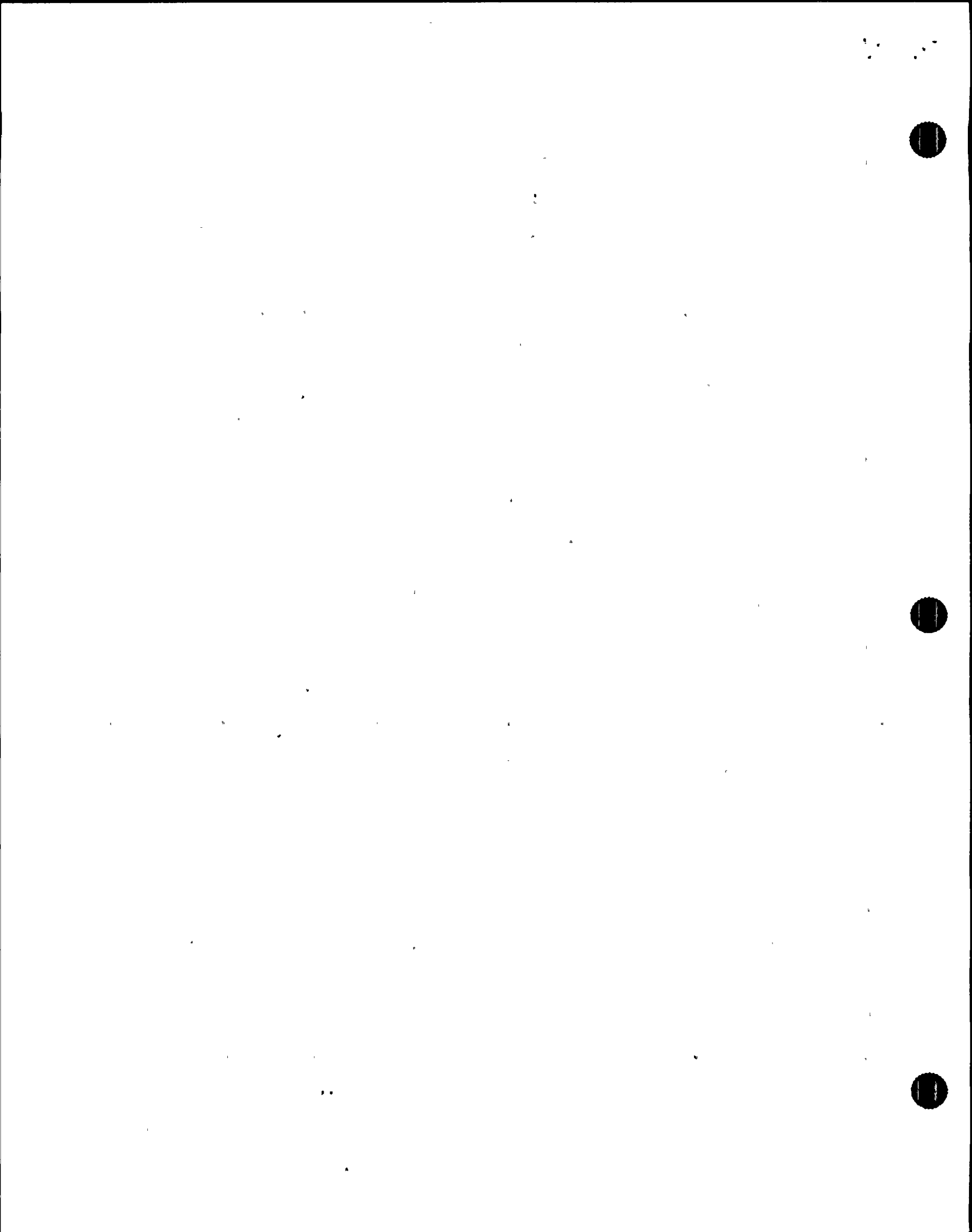
9 MR. CONTE: Let's go off the record --

10 MR. JORDAN: Hold it, I'm sorry. I'm sorry. I
11 have got a standard question that I always ask or try to
12 remember to ask.

13 That is, if you were to do this over again, and
14 since you have such a small group I'm going to ask that
15 question anyway, is there something which aided you to
16 accomplish your mission, whether it be the procedures, the
17 surveillance procedure, the equipment, your training or
18 whatever, that you are saying, gee, I'm glad I had that in
19 order to accomplish what I did, and vice versa.

20 Was there something in which you said, gee, I wish
21 I would have had this piece of equipment or this procedure
22 or this training or something that you didn't have that you
23 said, gee, I wish I would have had that -- it would have
24 made my job easier.

25 You know, a classic example, not in this case but



1 maybe you can relate it to this case, is that you go out in
2 the plant and you say, gee, I am glad that wrench was
3 hanging on that valve because it sure aided me in
4 accomplishing closing that valve. They didn't have to go and
5 look for another wrench and come back and do it again.

6 Okay? Maybe the answer to this question is that
7 there was nothing unique that you needed and maybe there was
8 something you'd say, gee, I'm glad I had that there
9 available to me to accomplish what I did -- it looked good,
10 or was the scale too small? You'd say, gee, I wish the
11 scale was a little larger on my meter and it would have been
12 easier to read or the scale was just right? You know, that
13 type of thing is what I am looking for.

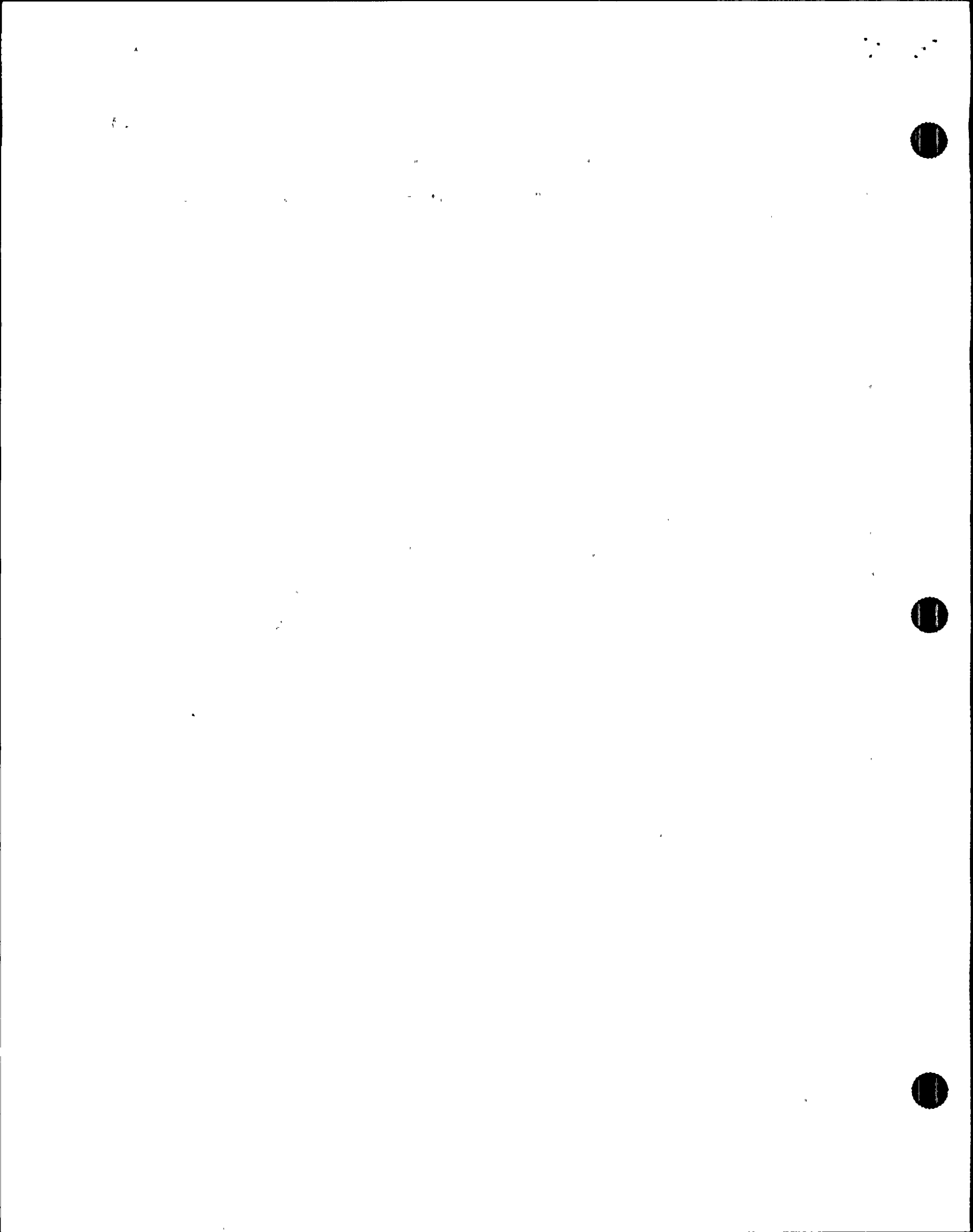
14 Is there something that you said, gee, I'm glad it
15 was -- it looked good to me or, gee, I wish I had this?

16 MR. DeLONG: No, I don't think there is anything
17 more that could be trained on or anything of that sort to
18 make it easier.

19 I think it was experience in the plant and working
20 with the people that made it as easy as it was.

21 MR. JORDAN: Okay. Is there anything else that we
22 haven't covered that you would like to talk about that you
23 have information which would be of benefit to us that you
24 would like to have us know?

25 MR. DeLONG: No.



1 MR. JORDAN: Okay. We can go off the record.

2 [Whereupon, at 12:14 p.m., the taking of the

3 interview was concluded.]

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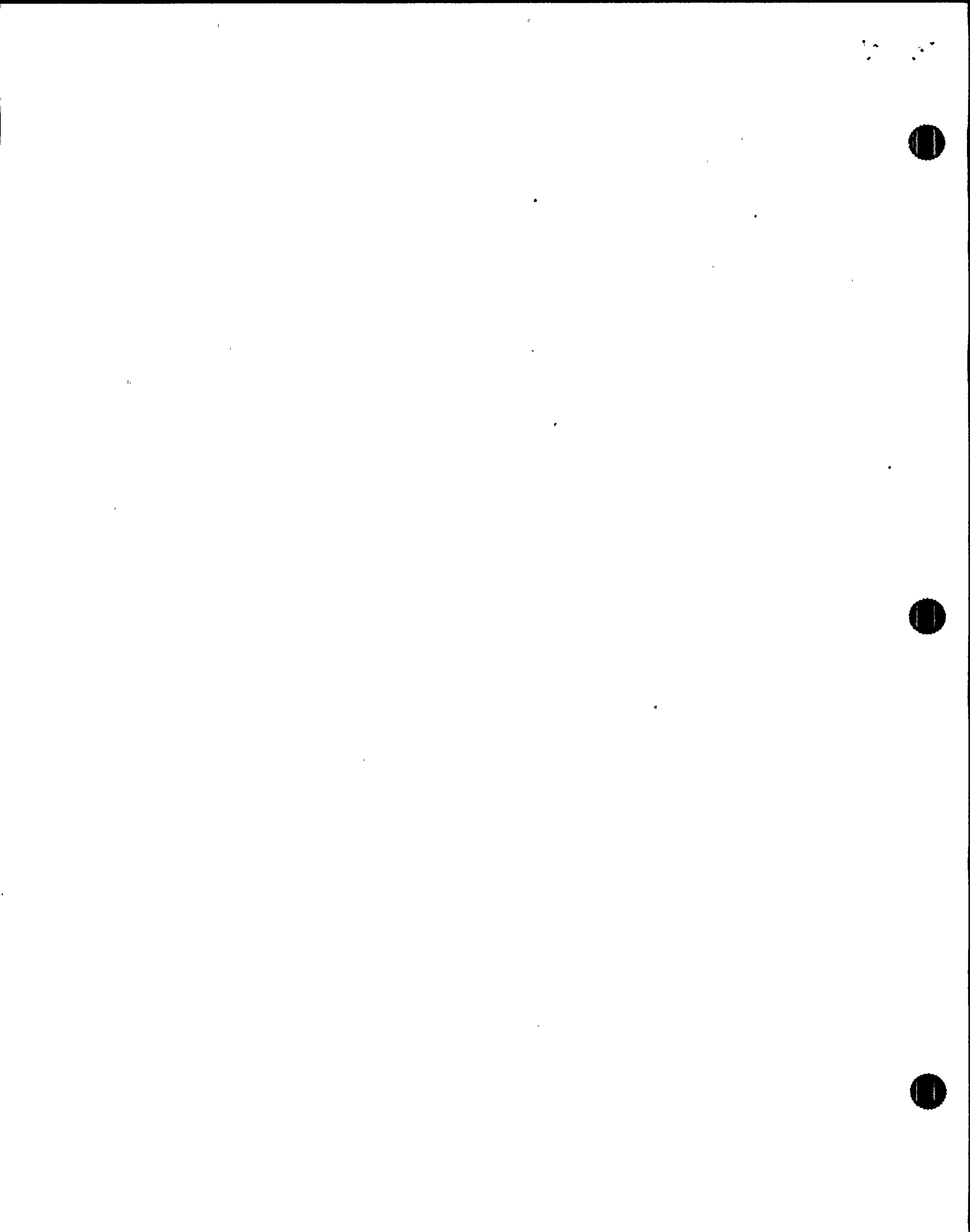
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REPORTER'S CERTIFICATE

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

in the matter of:

NAME OF PROCEEDING: Int. of RICHARD DeLONG

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.

Ian Rothrock

IAN ROTHROCK
Official Reporter
Ann Riley & Associates, Ltd.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 435



OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency: Nuclear Regulatory Commission
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Interview of: RICHARD DeLONG

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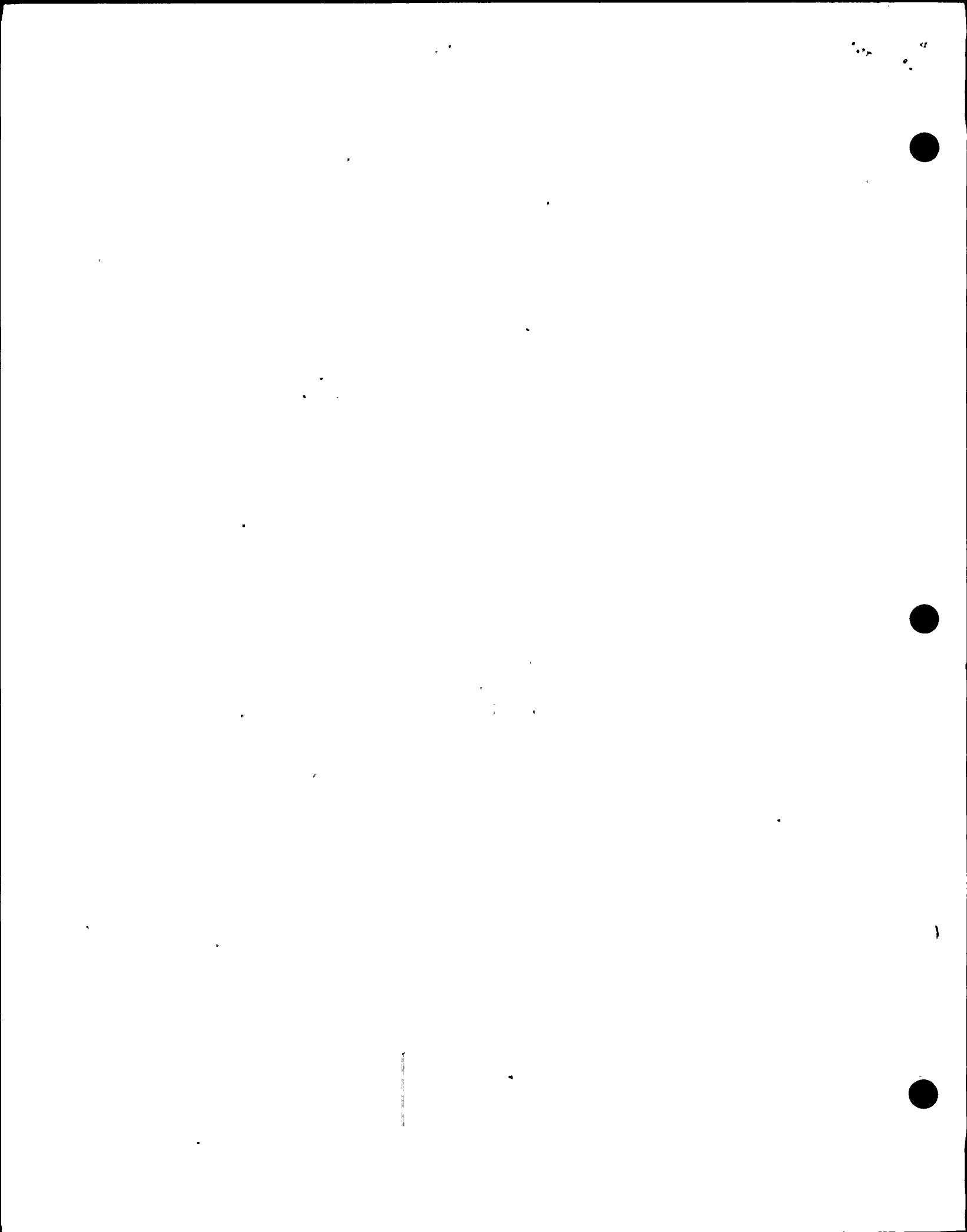


Exhibit 3-1 (continued)

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ADDENDUM TO INTERVIEW OF

RICHARD DELONG JR.
(Name/Position)

Page Line Correction and Reason for Correction

NO CHANGES REQUESTED

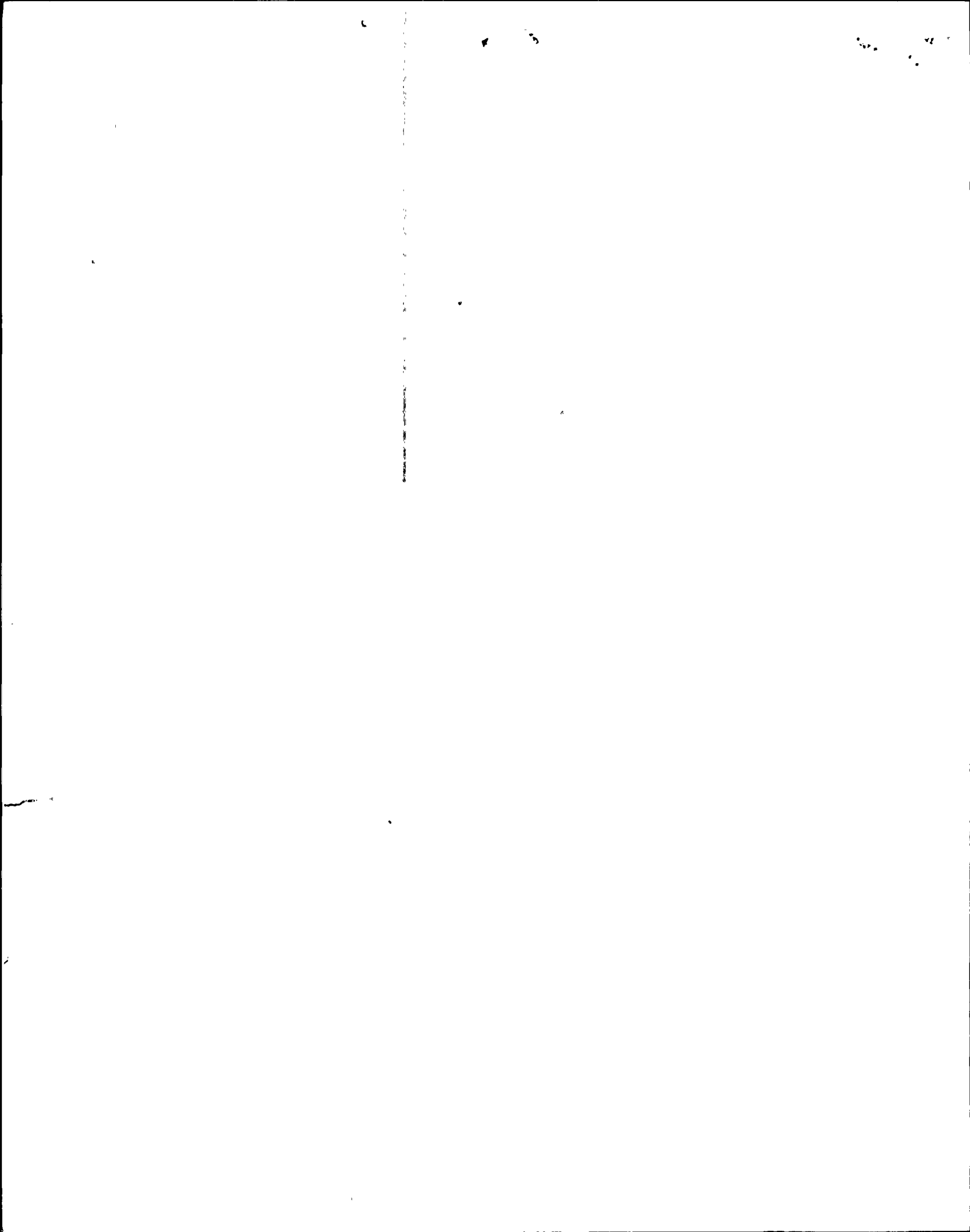
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Page ___ of ___

Signature

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Date 8/23/91



UNITED STATES OF AMERICA
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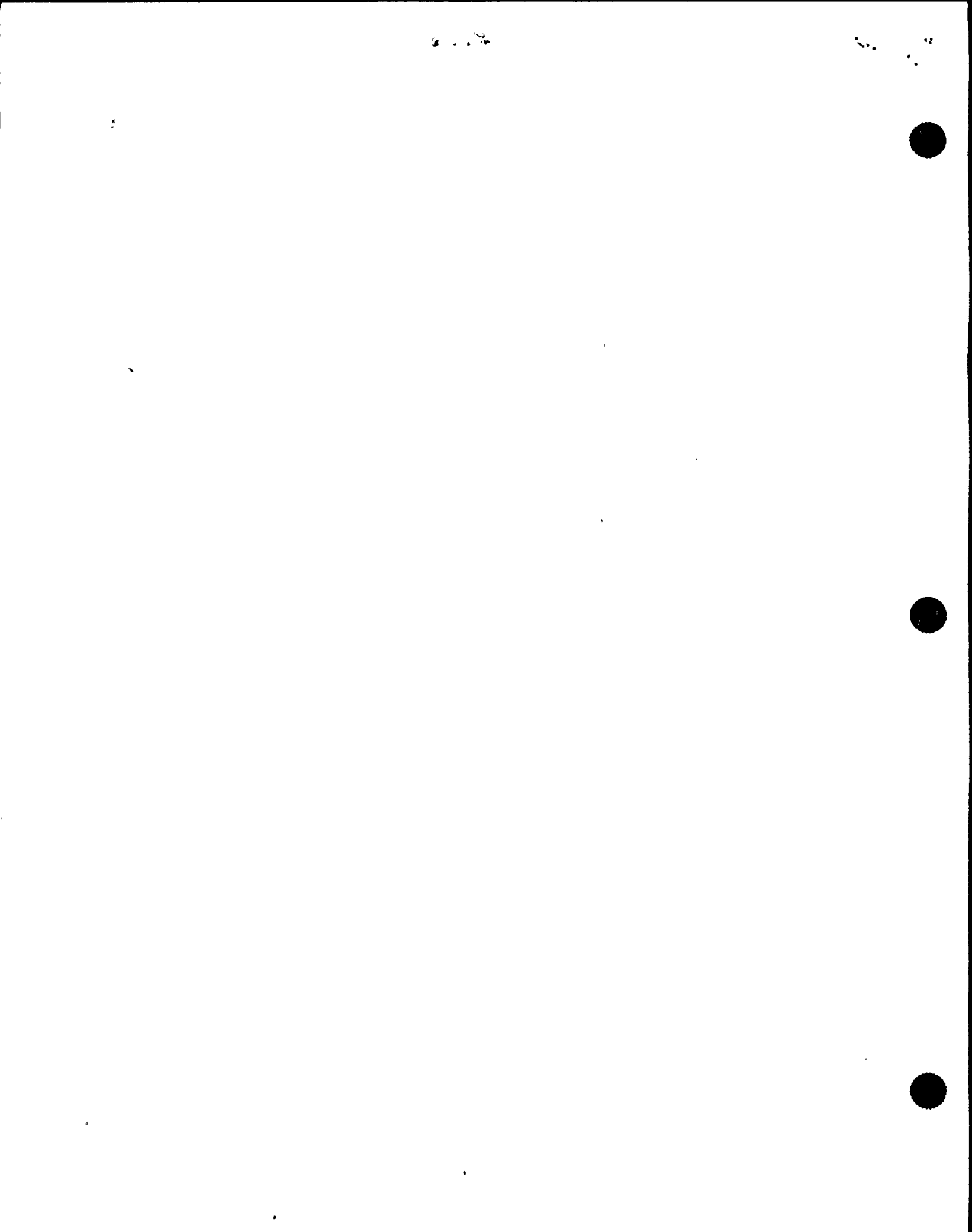
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5 P building. We're conducting interviews concerning a
6 transient that occurred on August 13, 1991. My name is
7 Michael Jordan. I'm with the NRC, out of Region III.

8 MR. CONTE: I'm Rich Conte, Region I.

9 MR. DeLONG: Richard DeLong, Unit Two non-LOT
10 operator.

11 MR. JORDAN: Okay, Rich. They don't you just give
12 us a general background of what your experience is and what
13 your position at the power plant are.

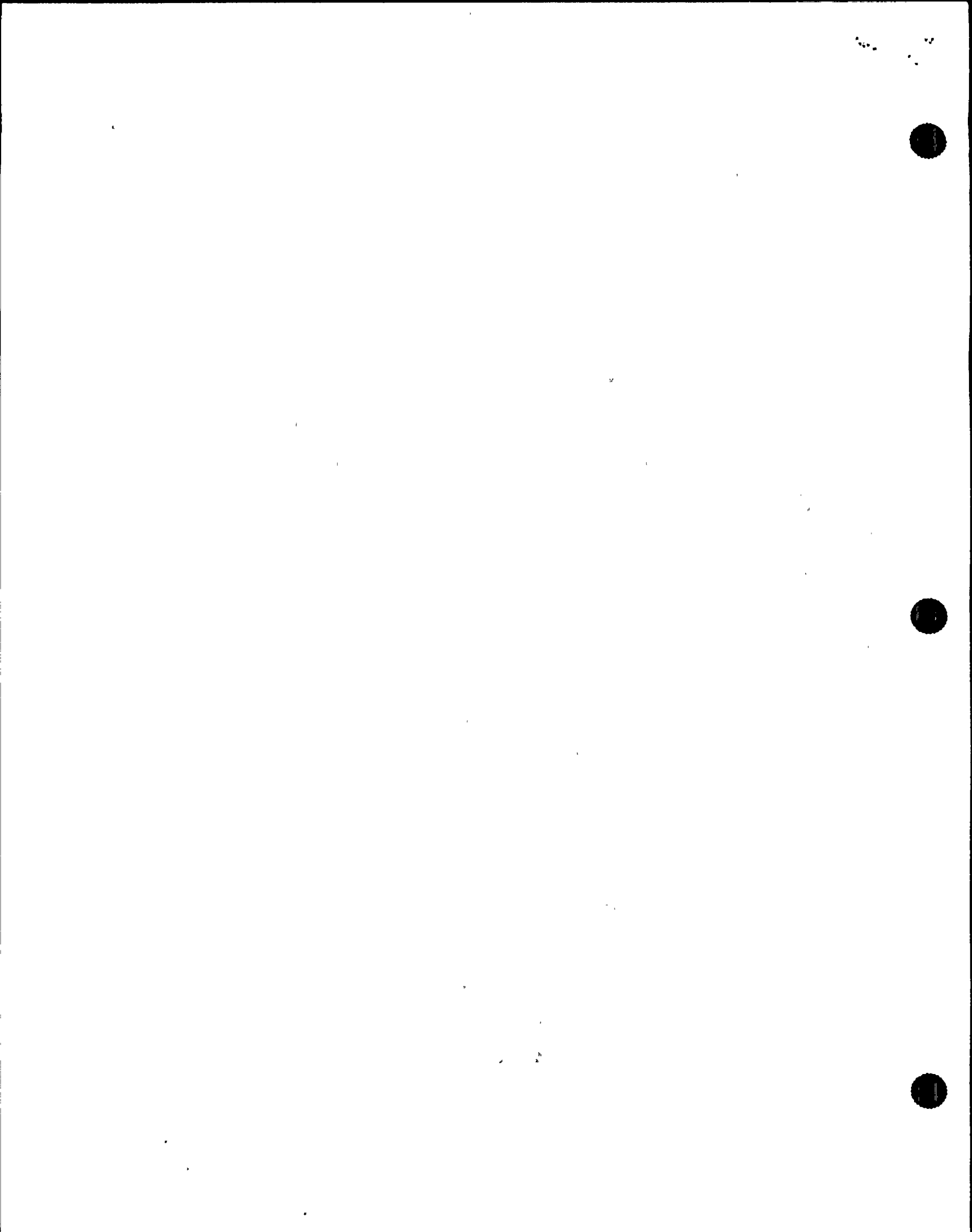
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15 have six years' experience at Unit Two in operations.
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17 year. Previous to that, I was a temporary mechanic at
18 FitzPatrick for four outages. Previous to that, I was in
19 the U.S. Coast Guard for four years.

20 MR. JORDAN: Why don't you just in your own words
21 give us -- were you assigned day shift, swing shift? What
22 shift were you assigned?

23 MR. DeLONG: Day shift.

24 MR. JORDAN: So you were coming on the shift.

25 MR. DeLONG: Yes.



1 MR. JORDAN: Why don't you give us an idea of
2 about what time in the morning you passed the gate and give
3 us an idea of what your day was like.

4 MR. DeLONG: I passed the day probably at ten
5 minutes to 6 and was informed of the reactor scram sometime
6 thereafter -- shortly thereafter, probably five minutes to
7 6 -- so I went directly to the control room. On the way, of
8 course, there was only emergency lighting on. When I
9 entered the control room, I found it funny that, for a
10 reactor scram, there were no annunciators, annunciator
11 lights very minimal -- and, mainly, the full-core display
12 was dark.

13 MR. CONTE: I'm sorry. I didn't catch -- you said
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17 MR. DeLONG: The elevator was dark.

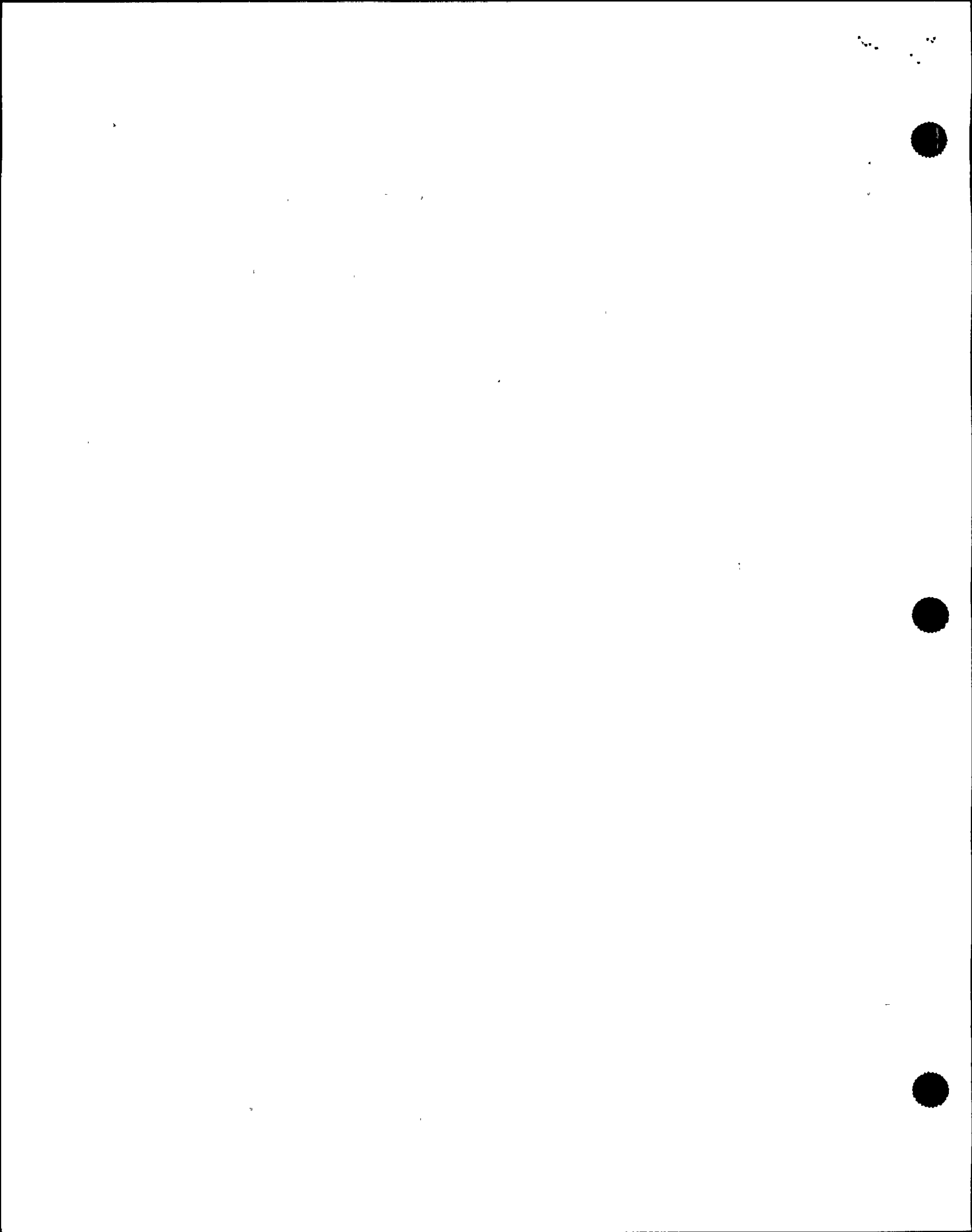
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19 service building?

20 MR. DeLONG: That's correct.

21 MR. CONTE: Okay.

22 MR. DeLONG: The lighting in the hallways was
23 intermittent. There were lights in one section and dark in
24 the other.

25 MR. CONTE: Lights in which hallways, the aux



1 service building?

2 MR. DeLONG: Yes, the aux service building.

3 So I just took it to being there was emergency
4 lighting.

5 MR. CONTE: You just took it what?

6 MR. DeLONG: To being it was emergency lighting.
7 It wasn't normal lighting.

8 MR. CONTE: Oh, okay.

9 Let me make sure I understand. Some of the
10 fluorescent lights in the building are considered essential,
11 and there are others that have the battery packs. When you
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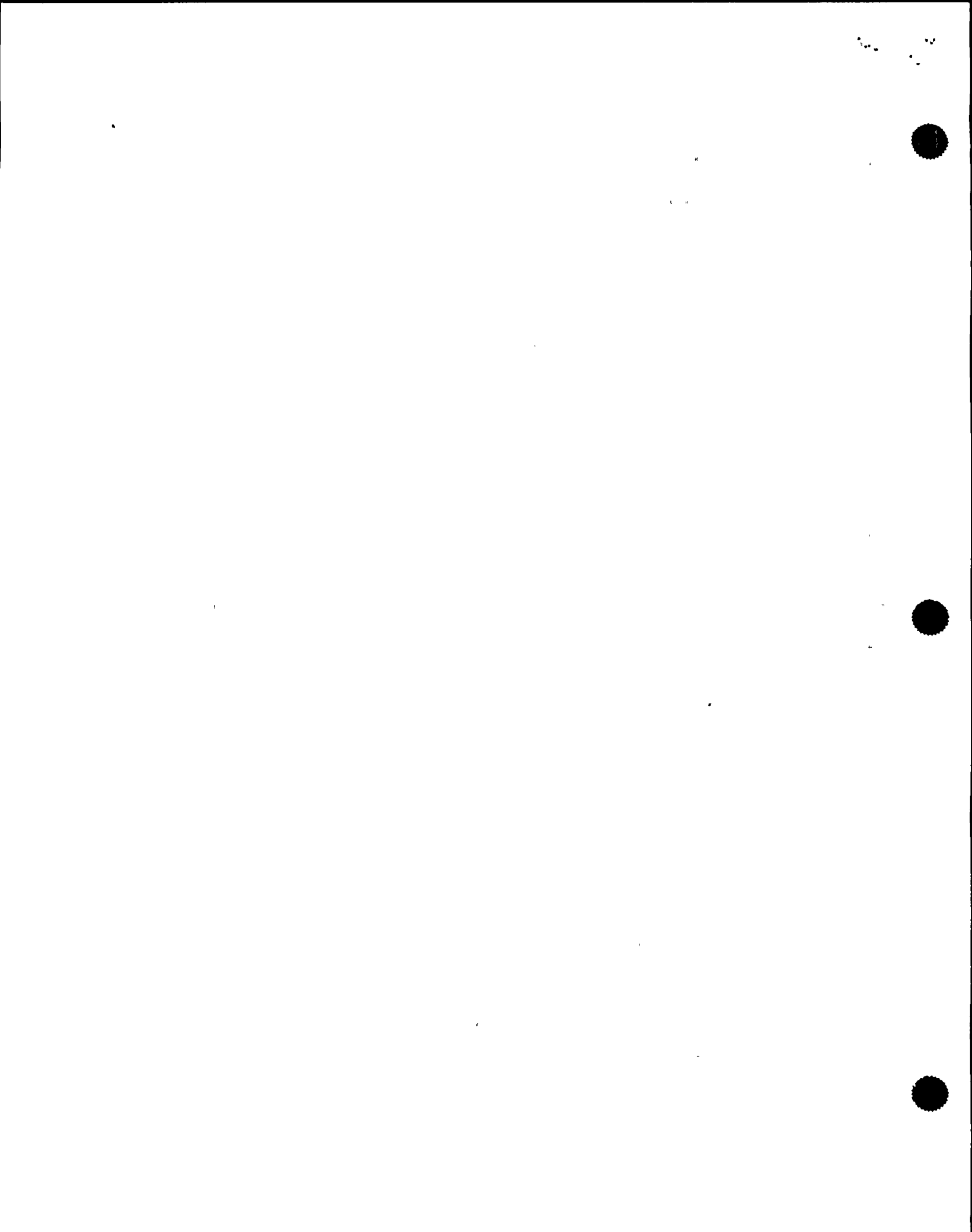
18 MR. DeLONG: No, I did not.

19 MR. CONTE: Okay. Good.

20 MR. JORDAN: Any other questions in that area,
21 Rich?

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23 were in the control room --

24 MR. JORDAN: In the control room, no annunciators,
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1 MR. DeLONG: Dark.

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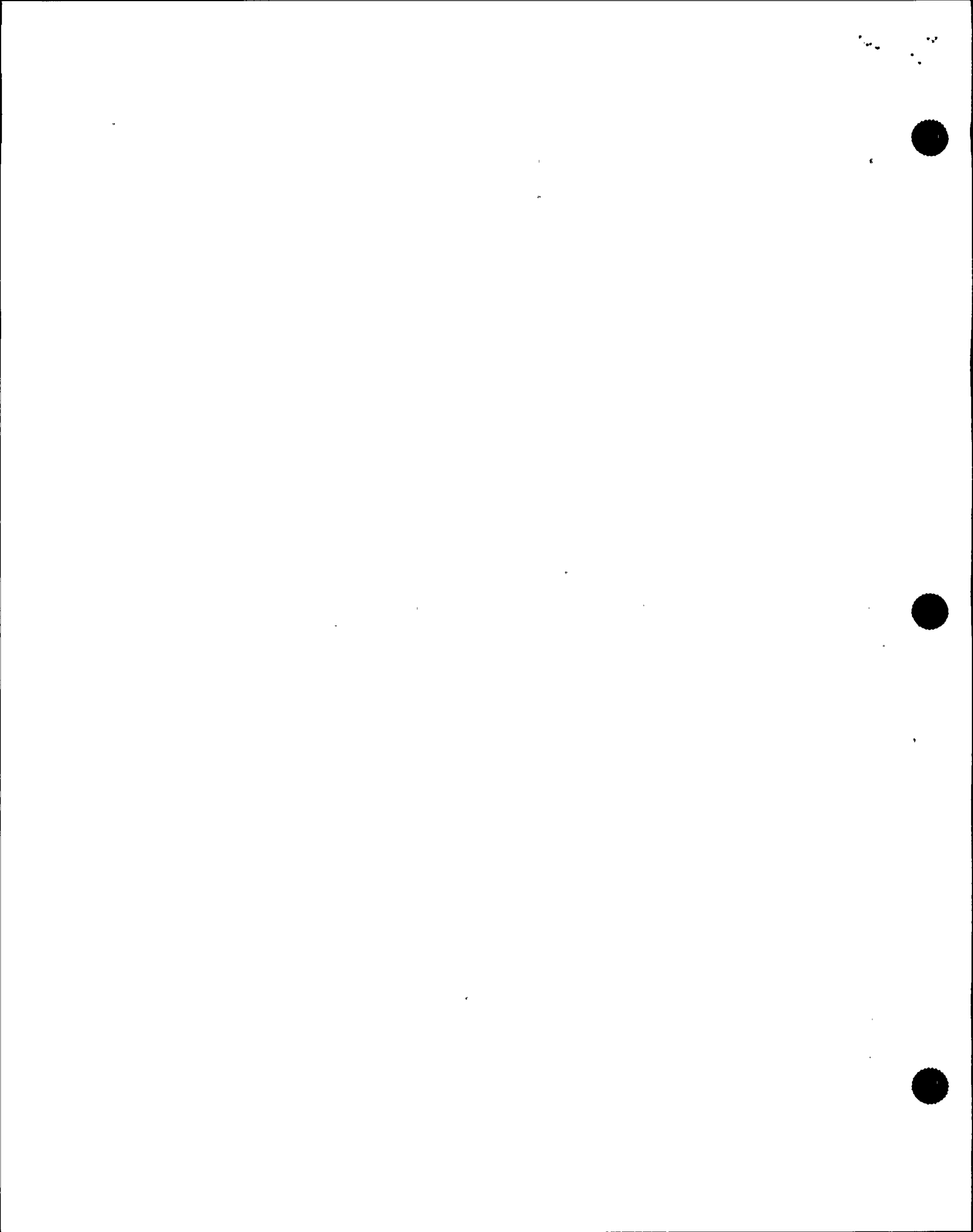
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2 a chart in the back of the surveillance.

3 MR. CONTE: I see.

4 MR. DeLONG: To give the information to the SSS so
5 he had an idea of what the cool-down rate was.

6 MR. CONTE: What were you using to make that
7 conversion?

8 MR. DeLONG: There was a chart in the back of the
9 surveillance in which you could relate the reactor pressure
10 to a given saturation temperature.

11 MR. CONTE: Is the name of this surveillance OSP-
12 RCS-001?

13 MR. DeLONG: I believe that's correct.

14 MR. CONTE: Okay. So if we dig out this
15 procedure, we'll see this conversion table in the back.

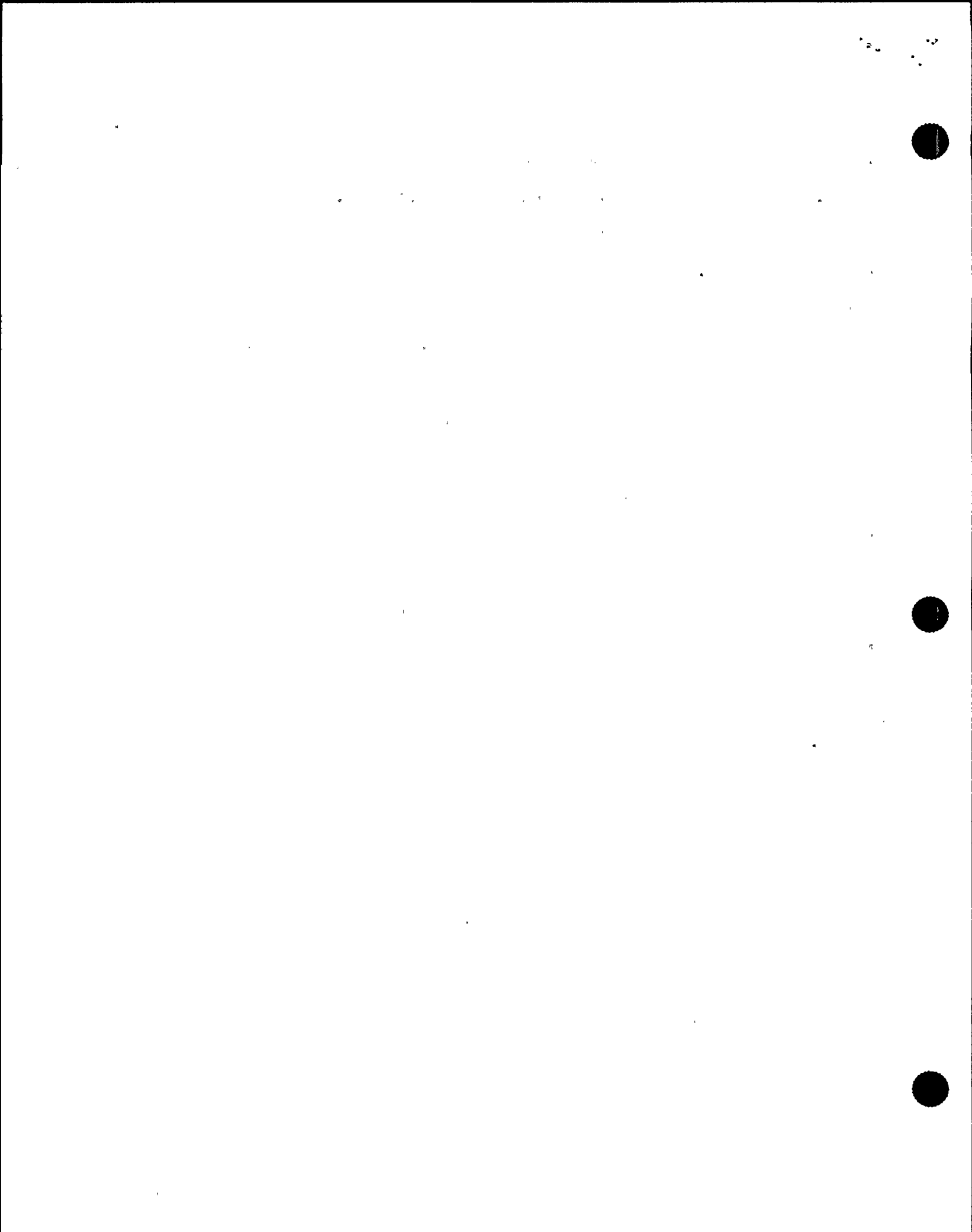
16 MR. DeLONG: That's correct.

17 MR. CONTE: Thank you.

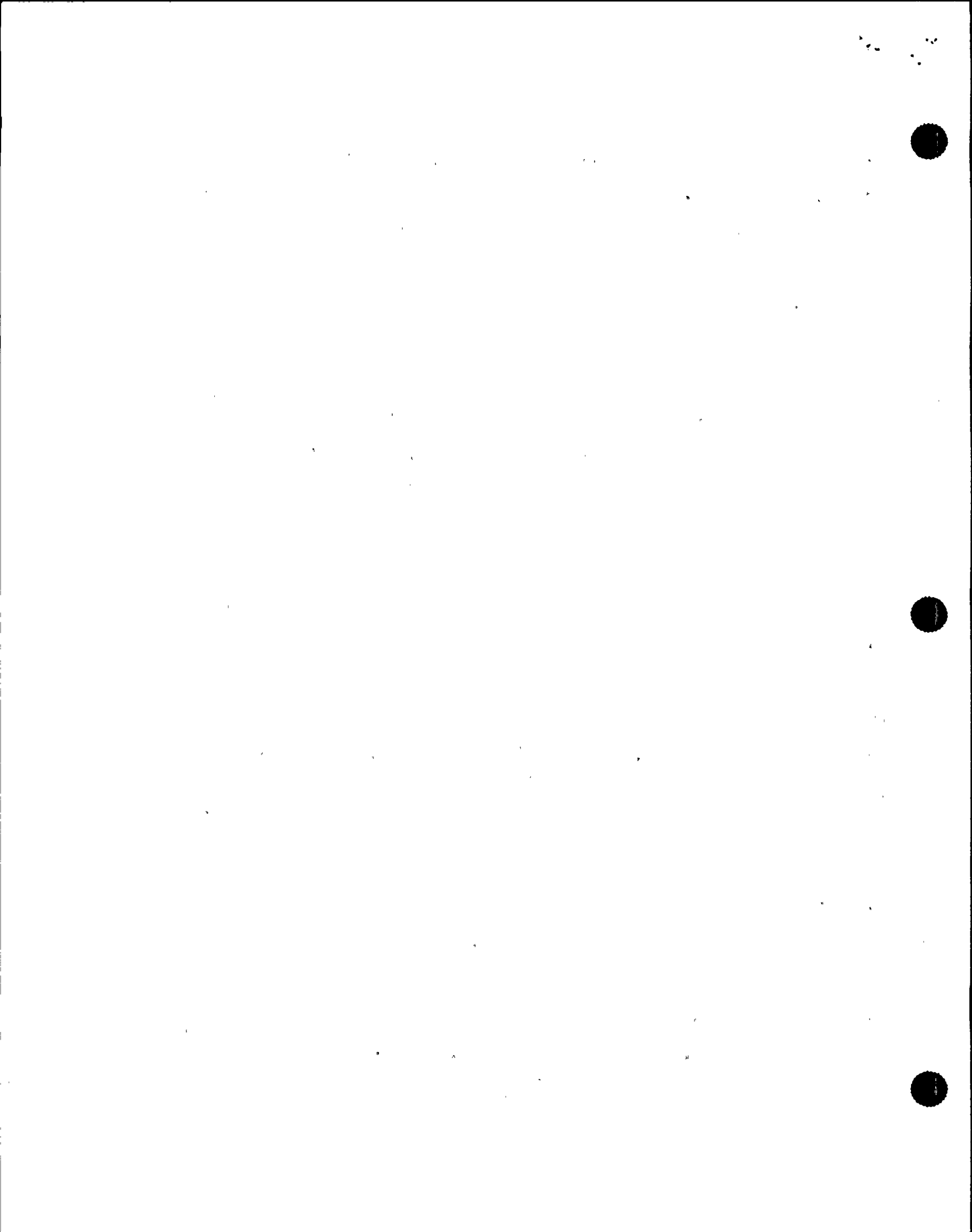
18 Do you remember what kind of rates you were
19 calculating, degrees per hour?

20 MR. DeLONG: Not offhand, but it was within spec,
21 which is 100 degrees an hour.

22 MR. CONTE: How did you know that the instrument
23 you were taking pressure off of was good, in light of the
24 problem that you had a loss of annunciators and certain
25 other instrumentation?



1 MR. DeLONG: At the time, I was told to take it
2 from that particular recorder, which was being continually
3 monitored by another operator, whose name was Eric Hoffman.
4 MR. CONTE: Eric Hoffman?
5 MR. DeLONG: That's correct.
6 MR. CONTE: How long did you perform this job?
7 All morning?
8 MR. DeLONG: Till 18:30 that night.
9 MR. CONTE: No relief for lunch?
10 MR. DeLONG: No.
11 MR. JORDAN: So you took it all day long.
12 MR. DeLONG: Yes, I did.
13 MR. CONTE: Did you have to go to the bathroom?
14 MR. DeLONG: I did get a relief for -- that type
15 of relief.
16 [Laughter.]
17 MR. JORDAN: Did you record the data as you were
18 taking it?
19 MR. DeLONG: Yes, I did.
20 MR. JORDAN: So that the surveillance will have a
21 record of the cool-down rating --
22 MR. DeLONG: Yes, it will.
23 MR. JORDAN: -- as well as verbally telling the
24 SSS what was going on.
25 MR. DeLONG: That's correct.



1 MR. JORDAN: So that was your job for the full
2 day, to take the pressure and change it into temperature
3 cooldown rate?

4 MR. DeLONG: That's correct.

5 MR. CONTE: Notice anything unusual?

6 MR. DeLONG: I was just real busy so I didn't have
7 time to look around too awfully much. I was taking cooldown
8 rates every five minutes.

9 MR. CONTE: Did someone bring your lunch up there
10 and say you could eat it in the control room or what?

11 MR. DeLONG: Yes. Later in the day they brought
12 sandwiches up. I ate in the control room as I @.

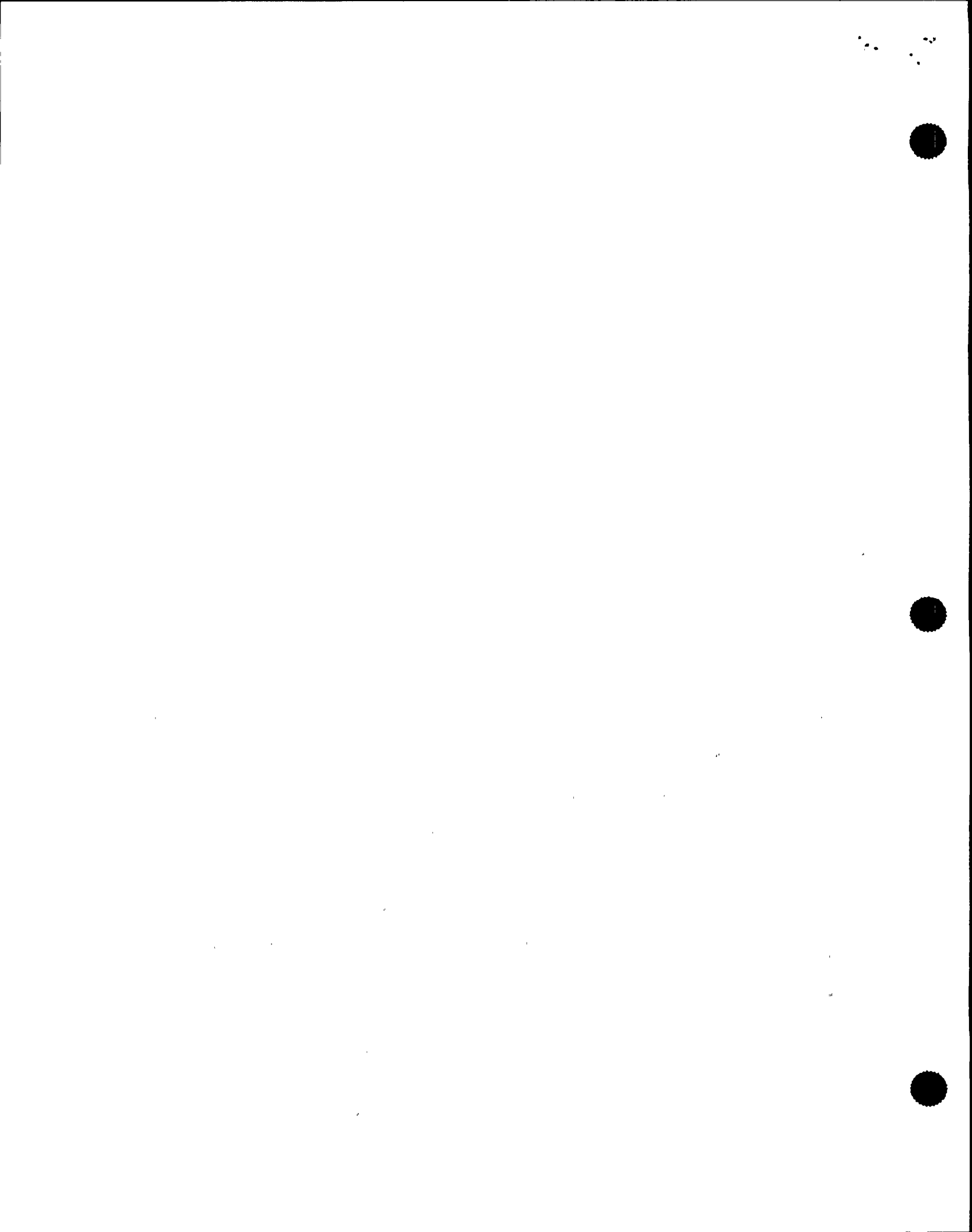
13 MR. CONTE: Did you feel that the control room was
14 overly crowded?

15 MR. DeLONG: No. It seemed that everybody had a
16 particular job they were doing in relaying the information
17 in and out of the control room as needed.

18 MR. JORDAN: Communications looked good to you?
19 Did it look like there was a panic situation going on?

20 MR. DeLONG: No. Looked good. The people that
21 they didn't have a job just stood on the outskirts waiting
22 to be picked to do whatever job that was necessary at that
23 given time.

24 MR. JORDAN: Have you ever done this before, this
25 cooldown rate? Ever got trained on this before where they



1 just assign you to do this?

2 MR. DeLONG: I have done it before.

3 MR. JORDAN: In training or here at the plant?

4 MR. DeLONG: Here at the plant.

5 MR. JORDAN: During previous transients?

6 MR. DeLONG: Not during previous transients, just
7 during normal shutdown or startup.

8 MR. JORDAN: Is this something that you people
9 have been trained to do or something that you happened to
10 have that unique knowledge of how to do it?

11 MR. DeLONG: Just happened that I had done that
12 particular surveillance before.

13 MR. JORDAN: So the SSS knew that you knew how to
14 do that?

15 MR. DeLONG: I think that he had confidence that
16 he knew that I knew how to do that surveillance.

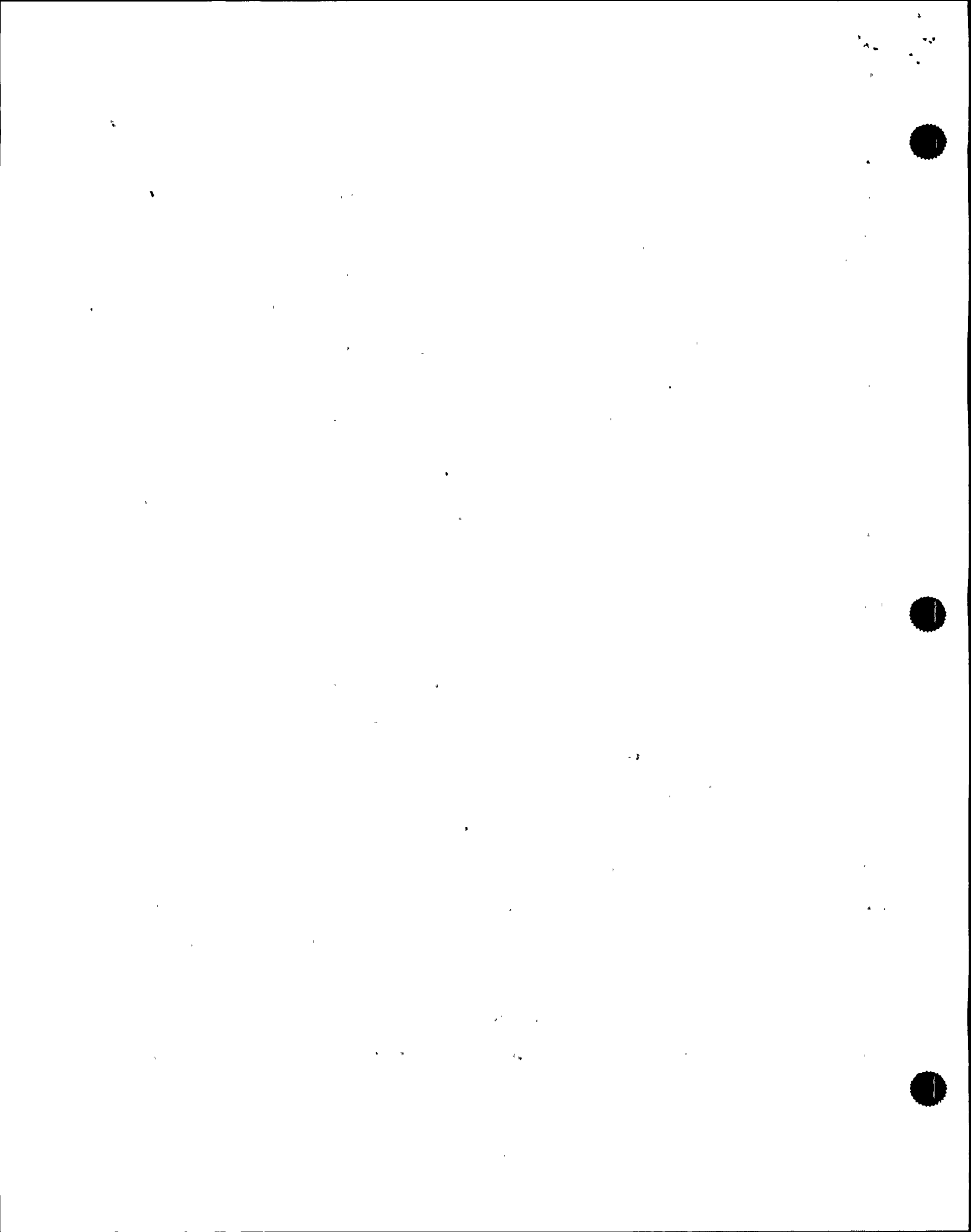
17 MR. CONTE: Are you with the day shift?

18 MR. DeLONG: Yes.

19 MR. CONTE: The individual who assigned you was
20 Eric Hoffman, is he your normal supervisor?

21 MR. DeLONG: No. He didn't assign me with the
22 surveillance. He was monitoring that particular recorder on
23 the panel for the SSS at that time and I was reading the
24 same indications in which he was reading.

25 MR. JORDAN: You were assigned the duty by your



1 normal SSS or the night shift SSS?

2 MR. DeLONG: I was assigned duty by the CSO.

3 MR. JORDAN: By the CSO?

4 MR. DeLONG: On duty at the time, which was Mark
5 Davis.

6 MR. JORDAN: Had you worked with him before?

7 MR. DeLONG: Yes, I have.

8 MR. CONTE: At 6:30 at night you left?

9 MR. DeLONG: Yes, I did.

10 MR. CONTE: They let you go home? They didn't put
11 on you another recorder, did they?

12 MR. DeLONG: No. They didn't.

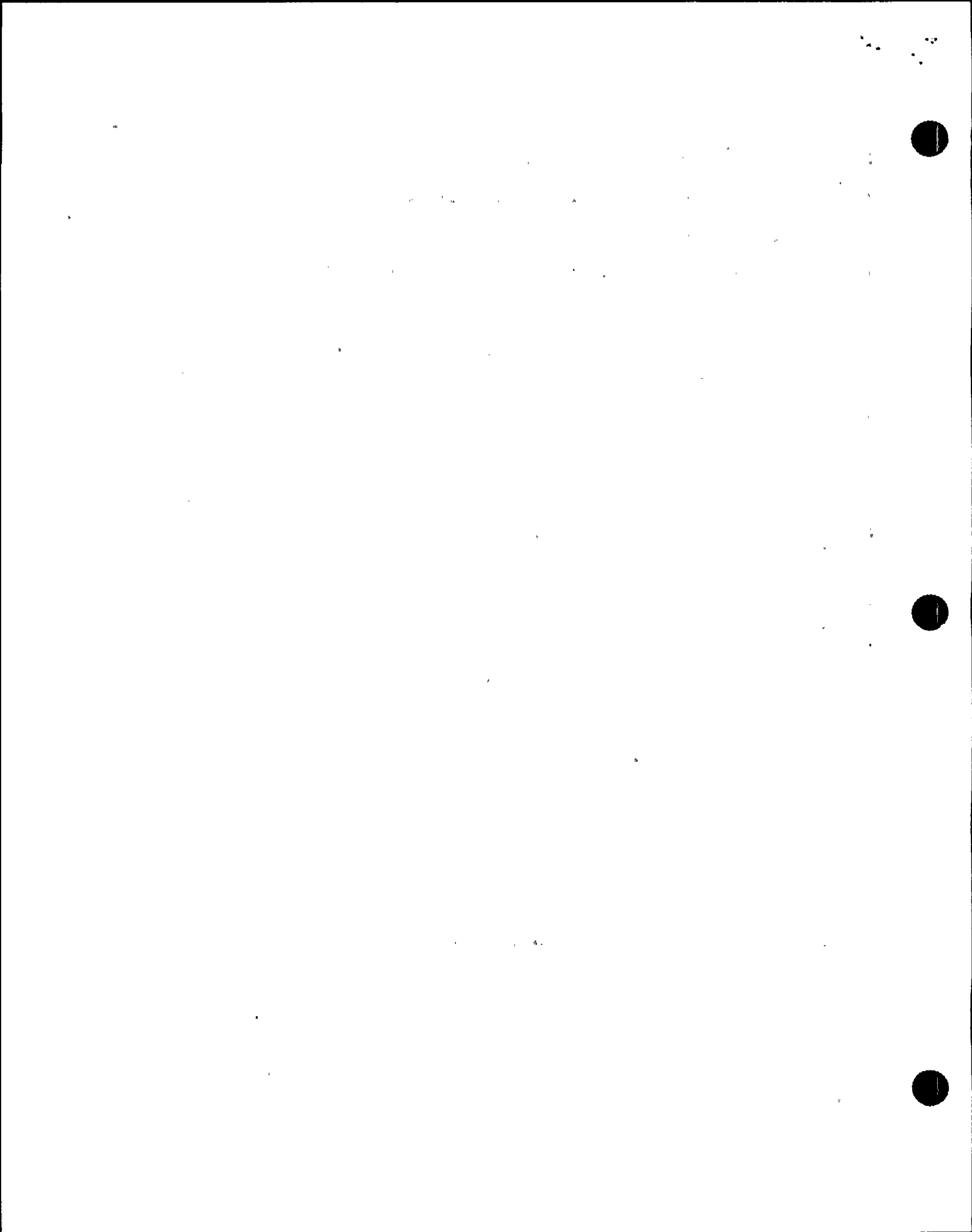
13 MR. CONTE: That must have been a gruelling day
14 for you -- it's almost like doing these interviews!

15 MR. DeLONG: No, these pressures were taken from
16 the computer screen after they restored from the event and
17 we started getting the UPS's power back up.

18 MR. JORDAN: So you went back on the recorder to
19 another location to take that --

20 MR. DeLONG: The usual surveillance, the pressure
21 isn't taken from that particular recorder. It's just that
22 it was one of the few recorders we had for a pressure
23 reading.

24 MR. JORDAN: Does the recorder just give you or
25 does it just a recorder or does it have a digital printout?



1 I don't know how these are but some of them will have a
2 digital printout of what the pressure is. You just have to
3 get it off the chart, is that how you get this data?

4 MR. DeLONG: Off of the chart.

5 MR. JORDAN: Off the chart.

6 MR. DeLONG: With the incline.

7 MR. JORDAN: With the --

8 MR. DeLONG: It has the incline indication for the
9 paper.

10 MR. JORDAN: What do you mean by incline?

11 MR. DeLONG: The needle, the indicating needle.

12 MR. JORDAN: Thank you.

13 MR. DeLONG: That aids in the position on the
14 chart.

15 MR. JORDAN: There's a scale on the charter
16 recorder and an indicator on it so you use that as well as
17 the chart paper?

18 MR. DeLONG: That's correct.

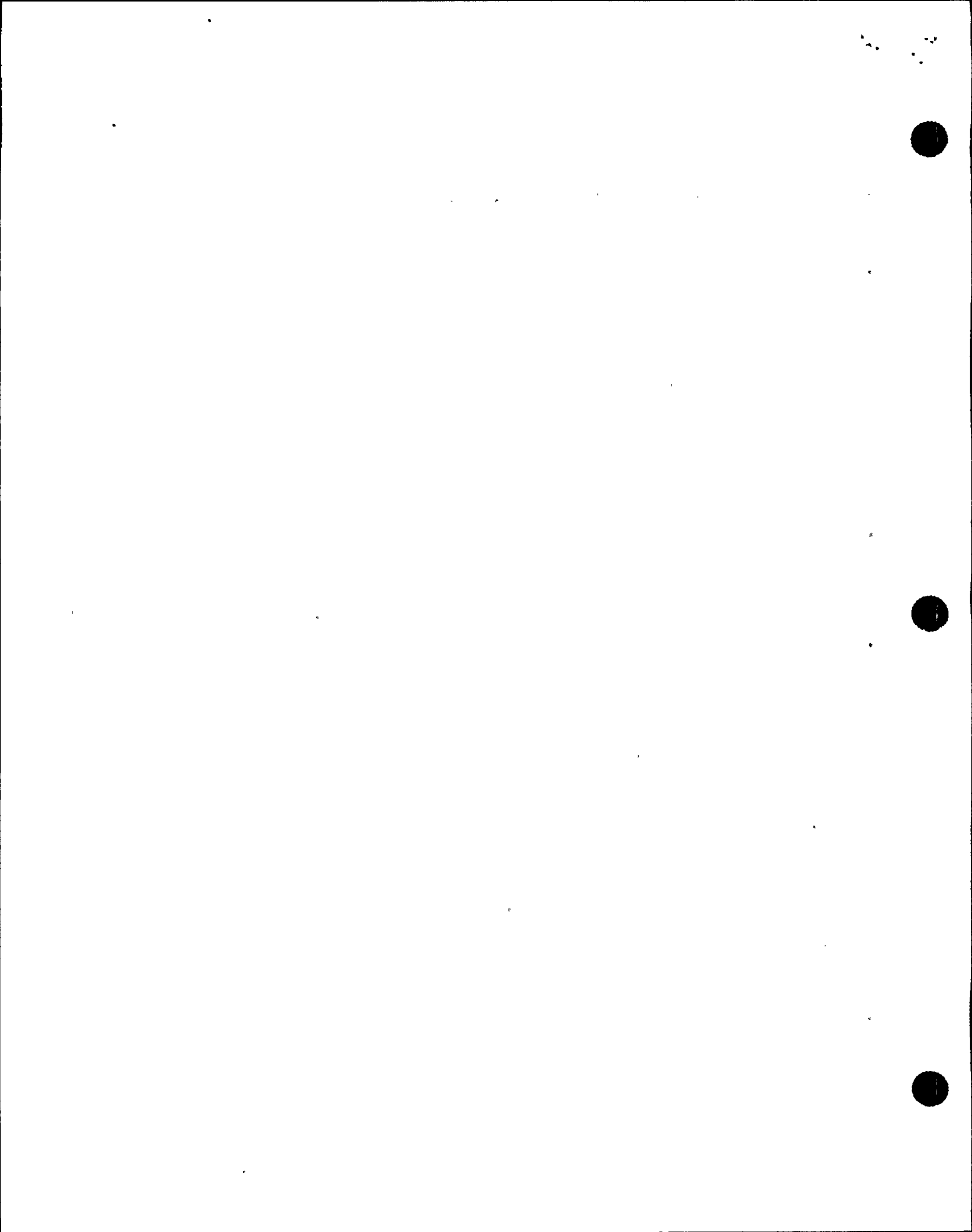
19 MR. JORDAN: I understand. Thank you.

20 MR. CONTE: Let me make sure I understand that.
21 There is a scale on the paper and there is a scale on the
22 recorder. Which one were you using to make the call?

23 MR. DeLONG: The scale on the recorder.

24 MR. CONTE: On the recorder?

25 MR. DeLONG: Yes.



1 MR. CONTE: Not the paper?

2 MR. DeLONG: That's correct.

3 MR. CONTE: That's the way you have been taught?

4 MR. DeLONG: I've been shown to take the pressure
5 reading from the scale on the recorder itself.

6 MR. CONTE: Okay. Go ahead.

7 MR. JORDAN: I've got nothing else.

8 MR. DeLONG: Thank you.

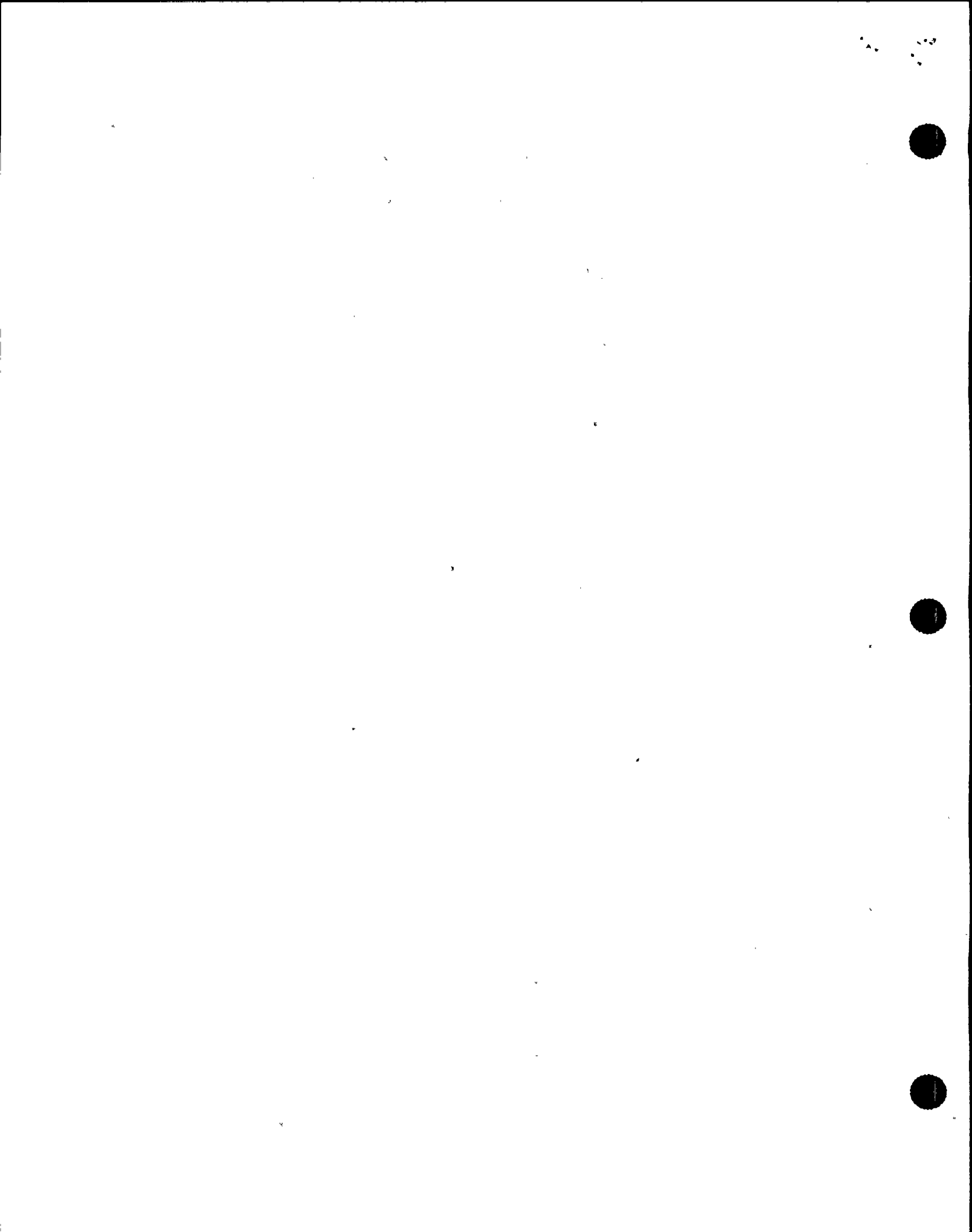
9 MR. CONTE: Let's go off the record --

10 MR. JORDAN: Hold it, I'm sorry. I'm sorry. I
11 have got a standard question that I always ask or try to
12 remember to ask.

13 That is, if you were to do this over again, and
14 since you have such a small group I'm going to ask that
15 question anyway, is there something which aided you to
16 accomplish your mission, whether it be the procedures, the
17 surveillance procedure, the equipment, your training or
18 whatever, that you are saying, gee, I'm glad I had that in
19 order to accomplish what I did, and vice versa.

20 Was there something in which you said, gee, I wish
21 I would have had this piece of equipment or this procedure
22 or this training or something that you didn't have that you
23 said, gee, I wish I would have had that -- it would have
24 made my job easier.

25 You know, a classic example, not in this case but



1 maybe you can relate it to this case, is that you go out in
2 the plant and you say, gee, I am glad that wrench was
3 hanging on that valve because it sure aided me in
4 accomplishing closing that valve. They didn't have to go and
5 look for another wrench and come back and do it again.

6 Okay? Maybe the answer to this question is that
7 there was nothing unique that you needed and maybe there was
8 something you'd say, gee, I'm glad I had that there
9 available to me to accomplish what I did -- it looked good,
10 or was the scale too small? You'd say, gee, I wish the
11 scale was a little larger on my meter and it would have been
12 easier to read or the scale was just right? You know, that
13 type of thing is what I am looking for.

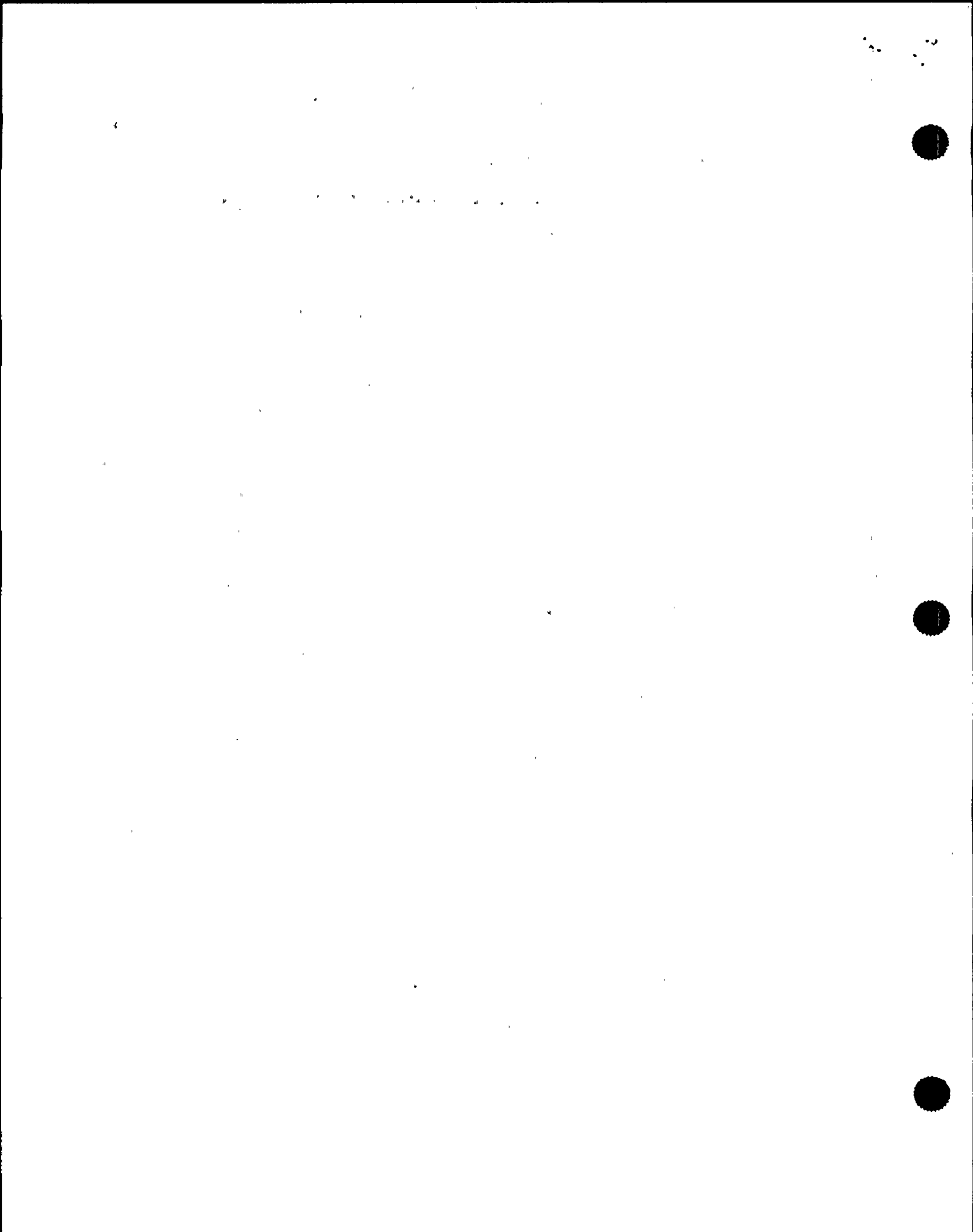
14 Is there something that you said, gee, I'm glad it
15 was -- it looked good to me or, gee, I wish I had this?

16 MR. DeLONG: No, I don't think there is anything
17 more that could be trained on or anything of that sort to
18 make it easier.

19 I think it was experience in the plant and working
20 with the people that made it as easy as it was.

21 MR. JORDAN: Okay. Is there anything else that we
22 haven't covered that you would like to talk about that you
23 have information which would be of benefit to us that you
24 would like to have us know?

25 MR. DeLONG: No.



1 MR. JORDAN: Okay. We can go off the record.

2 [Whereupon, at 12:14 p.m., the taking of the
3 interview was concluded.]

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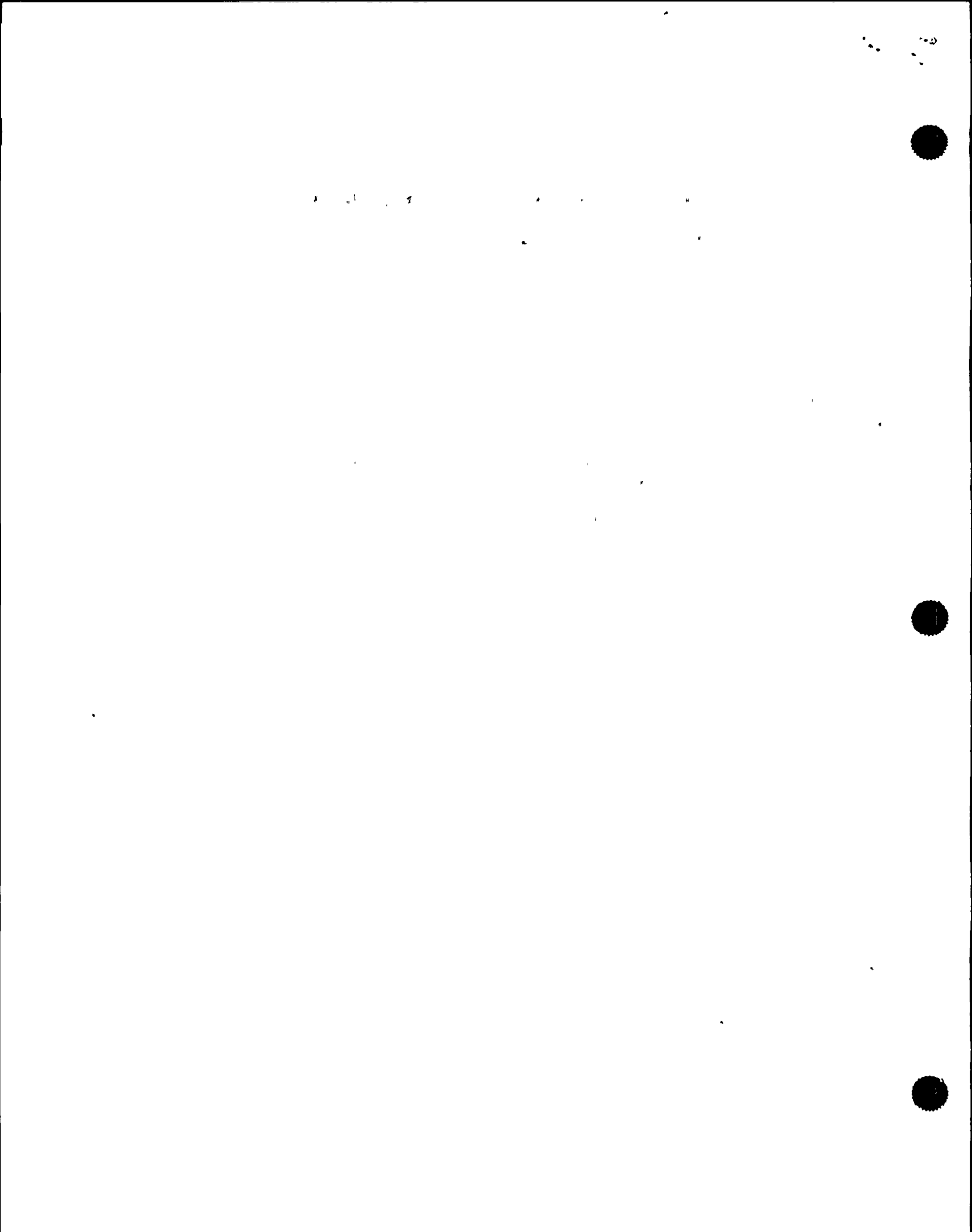
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REPORTER'S CERTIFICATE

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

in the matter of:

NAME OF PROCEEDING: Int. of RICHAR DeLONG

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.

Ian Rothrock

IAN ROTHROCK
Official Reporter
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