

ORIGINAL

OFFICIAL TRANSCRIPT OF PROCEEDINGS

Agency: Nuclear Regulatory Commission

Title: Investigative Interview of
Derrell Martin (CLOSED)

Docket No.

LOCATION: Gore, Oklahoma

DATE: Monday, March 4, 1991

PAGES: 1 - 35

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EXHIBIT 87

PAGE 1 OF 37 PAGE(S)

1 BEFORE THE
 2 U. S. NUCLEAR REGULATORY COMMISSION
 3 In the Matter of:)
 4 INVESTIGATIVE INTERVIEW OF:)
 5 DERRELL MARTIN)
 6 (CLOSED))

7
 8 Conference Room
 9 Sequoyah Fuels
 10 Gore, Oklahoma

11
 12 Monday, March 4, 1991

13
 14 The above-entitled matter convened for
 15 INVESTIGATIVE INTERVIEW pursuant to notice at 11:16 a.m.

16
 17 APPEARANCES:

18
 19 On behalf of the U.S. Nuclear Regulatory Commission:

20
 21 LARRY CHAPMAN, Senior Investigator
 22 Office of Investigations
 23 U. S. Nuclear Regulatory Commission
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On behalf of Sequoyah Fuels:

IRA S. SHAPIRO, Attorney

Winthrop, Stimson, Putnam & Roberts

1133 Connecticut Avenue, N.W.

Washington, D.C. 20036

P R O C E E D I N G S

1
2 MR. CHAPMAN: For the record, this is an interview
3 of Derrell Martin, who is employed by Sequoyah Fuels
4 Corporations, Gore, Oklahoma. The location of this interview
5 is the Sequoyah Fuels Facility, Gore, Oklahoma. The date is
6 March 4, 1991 and the time is 11:20 a.m.

7 Present at this interview, in addition to Mr.
8 Martin, is Ira Shapiro, who is an attorney from the law firm
9 of Winthrop, Stimson, Putnam & Roberts, Washington, D.C. and
10 is representing Sequoyah Fuels Corporation. Also present at
11 this meeting, representing the U.S. Nuclear Regulatory
12 Commission, Office of Investigations, is Larry Chapman.

13 Mr. Martin, would you please stand and raise your
14 right hand?

15 Whereupon,

16 DERRELL MARTIN

17 appeared as a witness herein, and having been first duly
18 sworn, was examined and testified as follows:

EXAMINATION

19
20 BY MR. CHAPMAN:

21 Q Mr. Martin, prior to getting into the information
22 relative to the training facility, would you mind giving us
23 both your formal and your work experience since you've been
24 at Sequoyah -- formal background and work experience since
25 you've been at Sequoyah Fuels?

1 A Since I have been here?

2 Q Yes, sir.

3 A Okay, I started out here in 1969 as an
4 administrative clerk, just clerical duties, before the plant
5 actually started in operation. I was promoted then to
6 administrative analyst where I actually done the purchasing
7 and inventorying of chemicals and just general administrative
8 duties, I guess you might say, also when the plant was
9 started up. In '79 I was promoted to Manager of Industrial
10 Relations where I stayed until 1987 I believe it was, and
11 then I moved over into Training & Procedures and my current
12 position now is Manager of Procedures & Training. I also
13 have responsibility for community relations since '79, still
14 carry that function.

15 Q All right, sir, and your formal educational
16 background is?

17 A ([REDACTED]
18 [REDACTED]
19 [REDACTED])

20 Q All right, sir. And I'm sorry I missed it, but you
21 said you've been Manager of Training since 19 --

22 A Well Manager of Procedures & Training since May of
23 1990. I was a Training Coordinator from 1987 to May of 1990.

24 Q So basically you've been in the training program
25 since 1987 --

(20 returns

1 A Right.

2 Q -- in one way or another at Sequoyah Fuels?

3 A That's correct.

4 Q All right, sir, is the orientation program relative
5 to contractors working on site under your jurisdiction?

6 A Yes, it is.

7 Q In the context of that, can you kind of give us an
8 indication of the procedures that follow once contractors are
9 going to be working on the facility, how they go through your
10 training procedure or what Sequoyah Fuels does to ensure that
11 these people are educated on the facility itself?

12 A Okay, once a contractor has been identified by
13 Engineering or whoever they're reporting to here at the
14 facility, then I'm notified that they're going to be working
15 on site and what their job and how long their job will last,
16 and usually that occurs anywhere from a week to three weeks,
17 maybe four weeks before the job actually begins. We then
18 schedule with the contractor and the contact here at Sequoyah
19 an eight-hour training class for all the contract employees
20 that that person plans to have on site. We send out an
21 agenda, the contractor is notified of the date of the
22 training and have their people scheduled to be here. Usually
23 the classes start at eight o'clock in the morning, they last
24 a full eight hours and we try to get through around four,
25 4:30 in the afternoon.

1 Q Okay, sir, you made a comment that you're notified
2 by the appropriate department at Sequoyah Fuels.

3 A Correct.

4 Q How are you notified of the attendees, contract
5 attendees? Is it a written communication from those folks
6 identifying by name or by company?

7 A Usually it's by company and the number of people
8 that'll attend is usually by phone. I'm given the name of a
9 company and how many people they'll have in the class and
10 then we schedule the class.

11 Q Is your class limited to a certain number of
12 personnel?

13 A Never have, as long as I can get them in that lunch
14 room, that auditorium, and I've got chairs for them, I can
15 take as many as they want to send over.

16 Q Okay, sir, but once you're notified that you're
17 going to have a class of contract personnel, would it be
18 correct that you limit that class to simply contract
19 personnel or do you mix Sequoyah Fuels employees for
20 refresher or any type of orientation training?

21 A Not unless I've got an employee that -- well no,
22 I'd say we don't mix the employees with the contractors. I
23 started to say yeah, I've had some others sit in on the
24 contingency plan, just for some training, like janitors, but
25 they're contract personnel too. They may not sit in the full

1 eight-hour course, but --

2 Q Okay, sir. So would it be basically correct that
3 when you're dealing with contractors, you have an orientation
4 program or training program that's geared towards them and
5 you try to see that that program is strictly for contractors?

6 A Is that correct.

7 Q And you don't try to mix any higher level training
8 on the contractors.

9 A No.

10 Q Once you have identified or notified the company
11 that's providing people, you made mention of an agenda. Do
12 you mail this agenda out to the contract personnel or how are
13 the personnel that's to attend the class notified of date,
14 time and course subject matter?

15 A I send a copy of the written agenda to the contact
16 here at the facility. I do not send one to the contractor.

17 Q The contact here at the facility would be the
18 project or the program manager that notified you of the need
19 for training?

20 A And then they contact the contractors and let them
21 know about the class and when it's scheduled, but I don't
22 send anything to the contractor.

23 Q So basically you have no direct contact with the
24 contractors until they show up?

25 A Until they show up at eight o'clock in the morning.

1 Q Do you have any type of sign-in sheet or do you
2 have any type of formal notification of what contractors are
3 here for training?

4 A Yes, we have an attendance sheet when they come in,
5 they sign the attendance sheet along with their social
6 security number.

7 Q When these individuals come into the training
8 facility for their class, are they handed any hand-outs, are
9 they given any written material to keep and/or review?

10 A The hand-outs are laying on their desk when they
11 come in. The only thing -- if we do use the employee
12 orientation manual as a reference guide, then we ask them to
13 leave that here. The rest of it is theirs to keep.

14 Q What type of -- to the best of your recollection,
15 what type of hand-out material do those contractors get to
16 keep, to take home for their personal use?

17 A They get a safety booklet, they get a hazard
18 communications booklet that explains the MSTS sheet and our
19 hazard communication program. They get copies of
20 approximately I think four procedures dealing with the change
21 room procedure, entrance to the restricted area, the
22 radiation monitoring and the five minute escape respirator.
23 Those four procedures definitely they get and they are
24 stamped "For Training Use Only" and they're given those that
25 they can take with them too. They also get a little slide

1 rule dealing with chemicals and the hazards associated with
2 it. They get a chemical hazard communications list, a list
3 of all the hazardous chemicals we have on site, and they also
4 get a list of definitions of chemical terms.

5 They get a copy of the contingency plan hand-out,
6 what their responsibilities would be in case we did have an
7 emergency or an incident or an accident here at the facility.

8 I believe that's it as far as the hand-outs that's
9 on their desk. Right now that's all I can think of.

10 Q Are those hand-outs that are given to these
11 individuals -- are they covered during the classroom
12 procedures?

13 A During the classroom procedures? No, they're not
14 covered --

15 Q What I'm asking, if you give them these hand-outs
16 for them to keep, sometime during the orientation program or
17 the class -- eight hours -- does someone go over the material
18 that's in these hand-outs?

19 A Oh, yes, all the materials are covered, yes, sir.

20 Q You made comment of the fact that they're given a
21 hazardous chemical ' ' t and a little slide rule, slide bar
22 type --

23 A Right.

24 Q -- quick reference device, I'm sure. Even though
25 it's probably not considered a chemical, is there on this

1 hazardous chemical listing a discussion of uranium and its
2 potential?

3 A Yes, it is. All the product stages of our uranium
4 is on the list.

5 Q I'm sure y'all probably discuss with them types of
6 radiological hazards associated with uranium in the class.

7 A It's covered in the health physics section, yes.

8 Q Is there any type of -- in this orientation, is
9 there any type of quick reference for these people like it
10 comes in various colors, uranium comes in various colors,
11 sizes, shapes -- is there any type of visual method that the
12 contractors can quickly determine that there's a uranium by-
13 product or product laying around? I'm rambling, but do you
14 understand what I'm saying?

15 A I understand what you're saying, I'm trying to just
16 think in my mind what I can say to answer your question.
17 It's just in a discussion type situation where I will talk to
18 them in the introduction of the orientation about uranium and
19 our customers and uranium ores, you know, most of it is
20 yellow. We do get some uranium ores that are darker in
21 color. We use to use a slide presentation, which we don't
22 any more, that did give some various colors of uranium and
23 uranium ores.

24 Q I think you've answered what I was driving at, and
25 that is you do tell them that if they see material laying

1 around, probably in a solidified form, that's yellow or
2 something, to certainly be aware that that could be uranium.

3 A Could be uranium.

4 Q Or at the very least it's some sort of a foreign
5 chemical or an object that they should not readily pick up
6 and handle without some sort of notification or a
7 radiological specialist at the plant or something?

8 A Yeah, they are warned of all the chemical hazards
9 as well as uranium hazards and the toxicity, whenever they go
10 through the contractor's class.

11 Q How about liquids? Do y'all cover any type of
12 liquids or the effects of uranium on water or the effect of
13 solutions being pumped through the plant?

14 A None of the presentation that I make does. Now
15 Callahan could discuss that in his health physics section.
16 Now whether he always does or not -- I don't sit in on all
17 the sessions, so I really can't answer that.

18 Q What I was kind of inquiring about, Mr. Martin, is
19 of concern to the NRC during this inquiry and investigation
20 has been the presence of some yellow water. And I was kind
21 of curious if these individuals were specifically warned
22 about uranium being yellow in color, if you have some sort of
23 yellow water or off-color of water, be particularly attuned
24 to the fact that it could have uranium contaminants in it?

25 A I can't say that that's always discussed, no. But

1 neither can I say that it is not discussed at some time. The
2 July 23 class, I'm not sure whether it was discussed or not.

3 Q In reference to that, I was kind of curious if
4 that's not a standard routine training -- part of the program
5 that yellow water is a contaminated water?

6 A It is now. It may not have been a standard part of
7 the program on July 23, but it definitely is at this time,
8 that's for sure.

9 Q Okay. Going back to the actual training
10 orientation program, you mentioned that there's an agenda
11 given out. Do the contractors -- are they afforded an
12 opportunity at each session for questions and answers?

13 A Definitely. It is all presented live except for
14 the "Radiation Naturally" film and the facility process
15 overview has about a ten-minute overview and they're given
16 chances for questions after that also.

17 Q Not to get into every specific detail of the
18 instructions, but I notice that introduction is a 15-minute
19 time frame. What type of introduction do you normally give
20 these contractors, keeping, as I understand, in mind these
21 are normally people that's never been in the facility before
22 -- not always the case but usually the case.

23 A Basically we introduce ourselves to each other, but
24 that's not actually all the introduction. I let them know at
25 that time what produce we're manufacturing, or products we're

1 manufacturing. I basically tell them about the chemicals
2 we're handling, the uranium we're handling, who our customers
3 are, what our finished product is used for, where it goes
4 from here, where it comes from and where it eventually ends
5 up in the power reactors.

6 Q All right, sir. Then you discussed "Radiation
7 Naturally" as a film.

8 A Yes.

9 Q What's an overview of this film's content?

10 A Basically it's put out by the Atomic Industrial
11 Forum, it lets them know where uranium is found, how it's
12 measured, the radioactivity, discusses alpha, beta and gamma
13 radiation, talks about x-ray shields, about x-rays, flights,
14 the type of radiation, the amount of radiation from a
15 reactor, and just general radiation facts and standards.
16 It's just a pretty good overview of radiation and uranium.

17 Q Do you feel that once the class is finished,
18 there's a pretty good understanding or a pretty good
19 education process to these people that radiation is something
20 that's serious and not to be taken lightly?

21 A I think so, yes.

22 Q If a contractor comes to your class, do you have a
23 method of identifying whether he's previously attended that
24 class or does it have a bearing to you whether he has or not?

25 A If I suspect that any of the contractors have

1 attended a class before, I usually go back and check records
2 and we consider them just for a refresher class. But if I'm
3 giving an eight-hour class. even though they had been in
4 there before, they'd stay for the full eight hours.

5 Q Okay, sir, that's my next question. What's the
6 duration that training considers valid after you've received
7 this? In other words, if I take an eight-hour class, is it
8 good for one job, is it good for a specified period of time,
9 or do you have a time standard that you apply before a
10 contractor must return for refresher?

11 A We handle it just like we do our employee training,
12 we refresh them every 12 months.

13 Q Every 12 months. If you had received a contractor
14 -- scratch it, let's ask this -- do you know of any of the
15 contractors that worked in the SX excavation area out here
16 that had previously received this training and were excused
17 or not required to take this eight-hour class again?

18 A No, I don't -- not to my knowledge.

19 Q Once you give this training class -- and I know
20 there are other staff members at Sequoyah Fuels that help you
21 to present certain sections, so the appropriate people I'll
22 talk with as I need to -- once you give these people these
23 classes, are they tested over the material they receive?

24 A Yes, contractors are tested over three different
25 areas.

1 Q What are the areas?

2 A They're tested over the contingency plan; tested
3 over hazard communications and safety, it's a combined test;
4 and they're also tested over the health physics portion of
5 it.

6 Q Okay. Of interest to me is the health physics
7 portion of it in this particular investigation. Do you give
8 that test or do you administer that block of instructions on
9 the health physics?

10 A No, someone from the Health & Safety Department
11 does the instruction and also administers the test.

12 Q Do you maintain the test results?

13 A Yes, I do.

14 Q Okay. Is there a record maintained of all tests
15 given and compared to the personnel attending the class to
16 make sure that everyone that signed up to attend got tested?

17 A Oh, yes, definitely.

18 Q So there's no question that everyone who shows up
19 gets tested?

20 A Gets tested.

21 Q Do you make these test results known to the
22 appropriate division within Sequoyah Fuels that requested
23 that you train this personnel?

24 A Only if they didn't satisfactorily pass the test,
25 no. As long as they pass the course, I don't make any

1 notification about test scores to anybody.

2 Q Okay, sir, do you give out any type of written list
3 to the requesting department of, by name, specific contract
4 personnel who have attended the orientation?

5 A No.

6 Q Okay, Mr. Martin, how do you know that the
7 personnel that requested these contractors be tested, have
8 assurances that they've been to the orientation program?

9 A I'm not sure I have a way, no.

10 Q And of course keep in mind as we're talking here, I
11 want to limit our discussion -- I'm sure you realize -- only
12 up to August 22 because I'm sure there's been procedural
13 changes since then as a result of some of this.

4 A Right, I understand.

15 Q But what you're telling me is, particularly in the
16 month of August, which is the concern I have with all these
17 people, the testing -- or the orientation program of July 23,
18 there's really not a measure that you know of to assure that
19 the company requested to be training, that their people
20 received training, and notified back to -- scratch it, that
21 they were actually notified back to the department that those
22 individuals had received the training.

23 A Well not actually to the department, but Security
24 has a notification.

25 Q All right, sir.

1 A By identification and bar code and by a contractor
2 restricted access badge. And if they have had the training,
3 then they have that badge, if not, then they have not had the
4 training.

5 Q Okay, so there is a measure of control in the fact
6 that you let Security know by name of personnel who are
7 authorized, through satisfactory completion of the
8 orientation program, access into the plant?

9 A That's correct, yes.

10 MR. SHAPIRO: If I can just interject. Is that the
11 pre-requisite for getting one of the picture badges?

12 THE WITNESS: Yes, you have to complete the
13 training program before you get a picture ID with a bar code
14 and a contractor identification on it.

15 BY MR. CHAPMAN:

16 Q Is Security given a written list of people to
17 provide an access badge to?

18 A We have tried to give them a copy as soon as
19 possible after we've got the course completed and we've
20 entered the training records into our computer, then we print
21 out a copy of the contractors and send it to Security, yes.

22 Q Who actually makes up the little badges, your
23 department or Security?

24 A My department does that.

25 Q So the internal control to ensure that the person

1 is trained versus the person getting a badge is maintained
2 strictly inside Training?

3 A Inside Training.

4 Q So there's a close circle of coordination there.

5 A That's correct.

6 Q All right, sir. How about in the case of contract
7 personnel who show up at the gate and want to work and have
8 not been through your orientation program? Are you notified
9 of those personnel?

10 A Not unless they're scheduling a class for them, I'm
11 not, no.

12 Q Would those personnel come under your jurisdiction
13 if say the contractor himself scheduled an extra day laborer
14 or an extra worker and he brings him with him and the
15 security guard notices he has no picture ID -- is there any
16 coordination between that and your Training Division as far
17 as ensuring orientation?

18 A No, the only thing that the guard might do, if he
19 suspected that the contract employee might have had training
20 but he didn't have an ID, he may call me, but normally I'm
21 not even notified.

22 Q Okay, sir, if a contractor brings extra people that
23 have not been through your orientation program, how does one
24 in the facility assure themselves that that person is
25 receiving adequate training to work in the conditions that

1 he's going to work in and in particular in this case, the
2 excavation of this SX pit -- would you have any way of
3 answering that type of question for me?

4 A I know what normally happens. Now I don't know
5 what did happen, but the guard would normally talk to the
6 contact here at the facility, the Engineering Department or
7 whoever is handling the job -- Engineering more than likely -
8 - he would then identify this person as being a visitor and
9 then it would be up to that person to either see the person
10 had training or to tell the guard what to do with them before
11 they let them in.

12 Q Okay, sir, let's ask a particular instance here and
13 I know you may not have the exact answer, but let's take a
14 particular case here. Let's say that you had your
15 orientation class on the 23rd and you've identified certain
16 personnel and you've issued the proper picture badges. And
17 on the first of August, for example, the contractor shows up
18 to pick up his badge and says by the way, I have a couple of
19 other people I've now determined are going to be needed to
20 help me. And these people are admitted access. What type of
21 training do these two individuals, for our example, receive
22 before they're allowed to come into the facility?

23 A The only thing they could receive then would be
24 watch the video and be instructed to stay with their employer
25 that had the training as an escort.

1 Q For identification, the video is what? What are
2 you referencing when you say the video?

3 A I'm talking about the video that instructs them
4 about the uranium and the chemicals that we have on site and
5 their responsibilities and the rules and regulations they
6 must follow while they're on site, and also to stay with an
7 escort.

8 Q What you reference is that Sequoyah Fuels has an
9 orientation video that's at the guard shack that is shown
10 personnel who are probably going to be in for short periods
11 of time -- is this the video you're referencing?

12 A That's the video I'm referencing.

13 Q Some five to seven minutes in duration.

14 A Yes, sir.

15 Q Okay. We'll get back to the video in a moment, but
16 if an individual has come to the gate and has been shown that
17 video, is there any type of procedures asked if the
18 individual that's considered a visitor, if he's going to be
19 here over a certain length of time he must attend
20 orientation?

21 A I can't answer that, I don't know.

22 Q Do you know from a manager's training standpoint,
23 is there a time schedule that if a visitor is going to be on
24 site over X number of days, do you have a procedure that
25 requires he go through an orientation?

1 A We do now, yes.

2 Q We do now, but how about then?

3 A No, sir.

4 Q Okay. So basically back in that period of time, if
5 a guy came to work on the first of August, for illustration
6 purposes, he could be a visitor all the way up to the end of
7 the month as long as he supposedly follows the escort
8 procedures?

9 A As long as he has an escort, he's seen the video
10 and he signs off on the sheet that he will follow all the
11 rules and regulations and as long as he's not opening up a
12 system and, you know, working in a uranium -- possible
13 uranium contamination system.

14 Q Under the training procedures that were in effect
15 back in the month of August, 1990, can one of the contractors
16 that's been through the eight-hour program, be the escort for
17 this new visitor on site?

18 A Yes, he could then, yes.

19 Q And the sole training that this visitor would
20 receive then would be the video at the front gate plus the
21 reliance on the contractor person who has been to the eight-
22 hour training program -- that would be his sole reliance on
23 training procedures at Sequoyah Fuels during the period of
24 time we're questioning?

25 A That's right.

1 Q Back to the video just for a few moments. Does
2 this video that -- the term we're using for visitors or for
3 someone who is accompanying the contractor, and we use the
4 term visitor as someone who has not been through the eight-
5 hour program --

6 A Okay.

7 Q -- what type of information does this visitor get
8 off of this five to seven minute video?

9 A Well it lets him know that we are a chemical plant,
10 we happen to be processing uranium ore from the mines and the
11 mills. I have this script in front of me, I can't give it to
12 you word-for-word without looking at it, but it --

13 Q You can certainly reference it if you want to.

14 A Okay. It informs that the uranium handling
15 facility is natural uranium, that we have no enriched
16 materials or fuel products. It lets them know about the
17 restricted areas and that they may contain radioactive
18 materials in those restricted areas, and lets them know how
19 to get into a restricted area. It gives them about ten rules
20 and regulations that they must follow if they're working or
21 on site or in the restricted area. It tells them about the
22 safety gear and clothing that they need to have before they
23 enter the restricted area. It then gives them a description
24 of how to proceed through the change room, how to don their
25 safety gear, what safety materials they must have on, and

1 then entering the restricted area coming back out, where to
2 put those things and at a minimum when they step across the
3 step off pad into the unrestricted side that a minimum they
4 must do is wash their hands and then frisk their hands and
5 their shoes and the bottom of their clothing for any
6 contamination they might have, before leaving the restricted
7 area.

8 It also tells them that they can use no tobacco in
9 the facility also.

10 Q All right, sir. This five to seven minute video as
11 compared to the eight-hour training class, do you feel
12 they're comparable in the information they provide?

13 A Well not in information, no. But they are assigned
14 an escort that they must be with at all times, who has that
15 information, and they cannot leave them for any time
16 unattended.

17 Q How do we know that he cannot leave that
18 individual? What assurances do we have that this visitor
19 won't wander off from the contractor who is not an employee
20 of Sequoyah Fuels?

21 A I don't have any way of assuring that at all.

22 MR. SHAPIRO: I'm sorry -- can you clarify that for
23 a minute? A contractor could be an escort, couldn't he?

24 MR. CHAPMAN: Yes, a contractor may be an escort.
25 One of my questions was, and Derrell's comment to me was,

1 there's not a total comparison between the eight-hour
2 training class versus the five to seven minute video.

3 MR. SHAPIRO: Right.

4 MR. CHAPMAN: And then he made a reference that
5 however, they can't leave their escort.

6 THE WITNESS: But we don't tie them together
7 either.

8 MR. CHAPMAN: But they don't tie them together. My
9 question is how does one know that the contractor doesn't let
10 the other guy wander off without being escorted. And we
11 don't know at this point -- or at that time.

12 THE WITNESS: Right.

13 BY MR. CHAPMAN:

14 Q And of course talking about the eight-hour video
15 (sic), I wanted to know if -- I have viewed that video, and I
16 do not recall a description or information in the video where
17 they talk about with any detailed information about what
18 uranium looks like in solid form.

19 A No, it doesn't.

20 Q What it looks like in a water soluble solution.
21 What I can gather from looking at the video, that information
22 lies strictly with the person who has been to the eight-hour
23 class, and there's a tremendous amount of reliance on that
24 person ensuring the safety of the visitor that has only
25 viewed the five to seven minute tape. Do you agree with that

1 assessment?

2 A Well I go back to the July 23 class and what you're
3 referring to, and knowing the contractors as I do, I really
4 wouldn't have too big a problem with it because I know that
5 the contractors had a 40-hour OSHA training -- part of them
6 did -- 40 hours of OSHA training and I also know that one of
7 the other contractors was a previous employee here, which was
8 very well aware of what we're manufacturing, what uranium
9 looks like in the various different stages throughout the
10 entire process -- spent a lot of time here. So in that
11 particular case, you know, it didn't bother me a whole lot
12 after I found out about it. But just a regular contractor
13 off the street for eight hours and then someone that he just
14 picked up as a temporary employee to walk in, probably they
15 should have had the eight-hour training course before they
16 would go out.

17 Q Okay. Mr. Martin, I understand in the reporting
18 procedures, I guess I'll have to call it, that the contract
19 personnel are required to have a contact personnel on site.
20 As I understand it, the contact personnel normally for this
21 contractor and his subsequent people, is a department head or
22 project engineer or something. The point I'm trying to make
23 is I understand there's also some sort of an intermediary
24 here that if a contractor has been through the eight-hour
25 program he's supposed to have a personal representative on

1 site at Sequoyah Fuels that he can bring his concerns to. Is
2 that correct, as far as you know?

3 A Yes, as far as I know. Somebody had to get them
4 out here, so that person would be their contact while they're
5 here on site, correct.

6 Q Right. What I'm trying to drive at or ask is that
7 contract personnel is not merely given eight hours of
8 training and turned loose on the site to go anywhere he wants
9 to.

10 A Oh, definitely not, no.

11 Q He has a responsible part to report to.

12 A That's right, and he's told that during contract
13 training, that if he has any questions, any concerns or any
14 problems, he should contact his contact here that is employed
15 by Sequoyah Fuels.

16 Q Now the reason I asked that is because my
17 conception and understanding of procedures out here back in
18 August of 1990 would have been that the visitor contact would
19 be the contractor that is escorting him on site, and then
20 that contractor's contact would be the project manager or
21 Sequoyah Fuels person who requested that he be on site.

22 A Right, whoever is handling the job or the work that
23 we're doing, right.

24 Q Now is there a step by which the visitor can go
25 directly to the program manager or the Sequoyah Fuels person

1 as his contact point?

2 A I don't think we've ever had anything that said
3 that someone here couldn't go to anybody here at this
4 facility and ask questions if they had concerns, that it
5 wouldn't be explained to them. We've never told them that if
6 you're a visitor and you work for this contractor, don't come
7 talk to us, always talk to your contractor -- no, I think he
8 could go to anybody he'd like to, to get his questions or his
9 concerns answered.

10 Q One of the concerns I've had expressed to me over
11 the course of this by some of the contract personnel was they
12 didn't understand that, they understood from all of the
13 orientation and all of the procedures, that they had to carry
14 it kind of through a chain of command. But you don't know of
15 such a requirement?

16 A I don't know of such a requirement, no.

17 Q As I understand -- this is not necessarily in your
18 bailiwick, but I'm sure in your course of training you give
19 orientation reference to safety precautions and the fact of
20 bioassays of urine and probably the fact that the facility
21 takes some sort of sampling, either air samples or soil
22 samples, to ensure that these people are not being over-
23 exposed. Is that covered in the orientation program?

24 A I cover that portion of it myself and it's re-
25 emphasized by Rick Callahan in the health physics portion,

1 but I do cover the procedure with each contract employee, if
2 radiation monitor -- well I can't even call the name of the
3 procedure now, it's not on here.

4 Q The name is not as critical as --

5 A It has to do with the monitoring of their radiation
6 exposure while they're on site here, either through the
7 bioassay program, the film badge, the air samplers, as well
8 as a possible in vivo lung count.

9 Q Do you discuss this, not at great length, but at an
10 understandable level for the contractors, you think?

11 A I think I do, yes. And they have a copy of the
12 procedure and they're given an opportunity to ask questions,
13 and I tell them right up front in the introduction to stop
14 any of the presenters or the instructors when they have a
15 question, and not wait until the session is over to try to
16 remember those questions. And I think we've had pretty good
17 feed-back and pretty good communication with all the
18 contractors.

19 Q The reason I asked that question, Mr. Martin, is
20 I'm trying to understand the relationship between a
21 contractor that has received the eight-hour training and the
22 visitor that comes on site.

23 A Right.

24 Q Now he obviously does not get that in the five to
25 seven minute tape.

1 A That's right.

2 Q And then Sequoyah Fuels must rely on the contractor
3 to relay that type of technical information down to the
4 visitor.

5 A That's correct.

6 Q Is that pretty much a correct assumption?

7 A I think that's correct, yes.

8 Q So one of my concerns here and questions is how do
9 we know that these fellows that are coming in under an escort
10 -- or a visitor's badge, are given that type of information,
11 that they can raise concerns to the Sequoyah Fuels people and
12 what to be particularly alert for as they work in the
13 facility?

14 A Since I don't see them, I can't answer that, I
15 don't really know.

16 Q And if I recall, does the five or seven minute tape
17 discuss the fact that they're supposed to give bioassays and
18 --

19 A No.

20 Q It doesn't, does it?

21 A No, it doesn't.

22 Q So once again, if I'm correct in my assumption of
23 the training procedures and -- that knowledge has to be
24 conveyed through the contractor to the visitor.

25 A Right. The only thing that's discussed in the

1 video when the visitor comes into the guard house is the film
2 badge and how they wear it, why they wear it, where they pick
3 it up and where they return it to, but not the bioassay
4 program.

5 Q So the visitors that come through would be totally
6 ignorant -- and I use the term ignorant for not having
7 knowledge of this subject, of a need to even be concerned
8 about bioassays, as far as the training.

9 A As far as the training is concerned, but if they
10 did need to be put on the bioassay program, then it would be
11 explained to them by Health & Safety personnel.

12 Q Correct. But as far as training, that information
13 is not relayed to them as a visitor at the entrance gate?

14 A No, it's not.

15 MR. CHAPMAN: Let's go off the record for a second.

16 (A short recess was taken.)

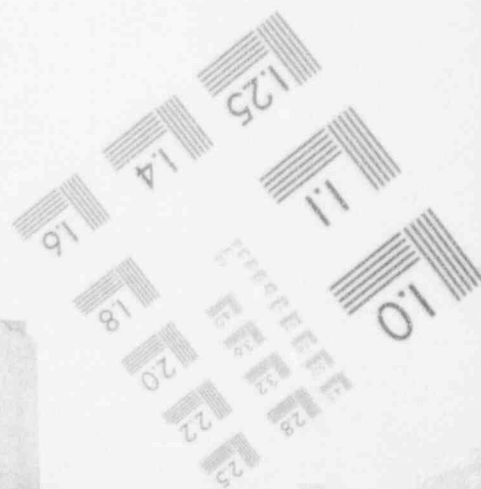
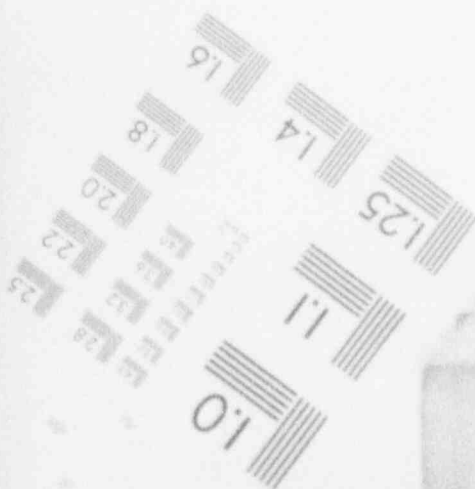
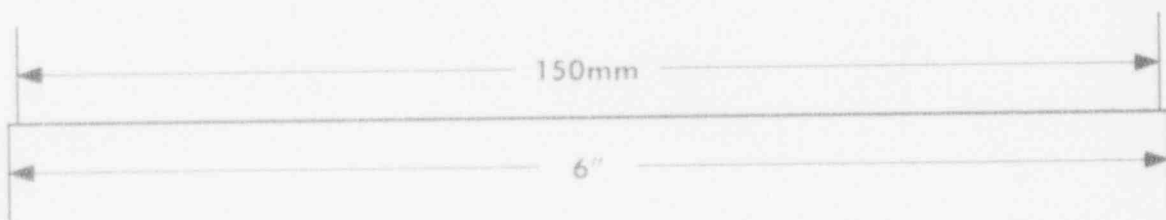
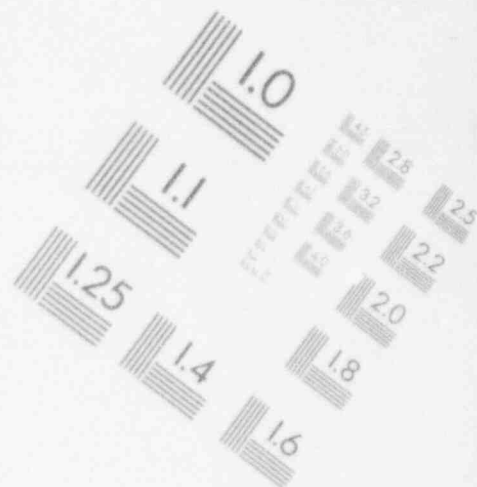
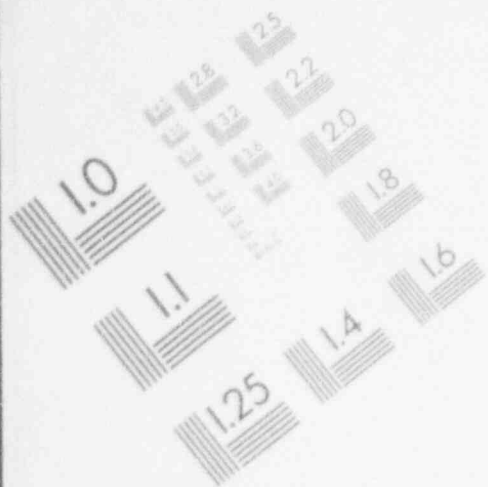
17 MR. CHAPMAN: Okay, we're back on the record after
18 a small discussion of trying to find some reference material
19 in the orientation guidebook.

20 BY MR. CHAPMAN:

21 Q Mr. Martin, in looking at the orientation training
22 program kind of a hand-out here, it references in one of the
23 sections NRC regulations, and I believe that even though you
24 didn't specifically cover this section, there is a discussion
25 in your orientation program, the eight-hour orientation

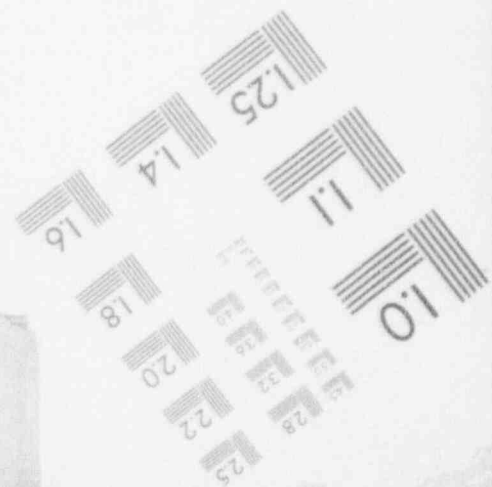
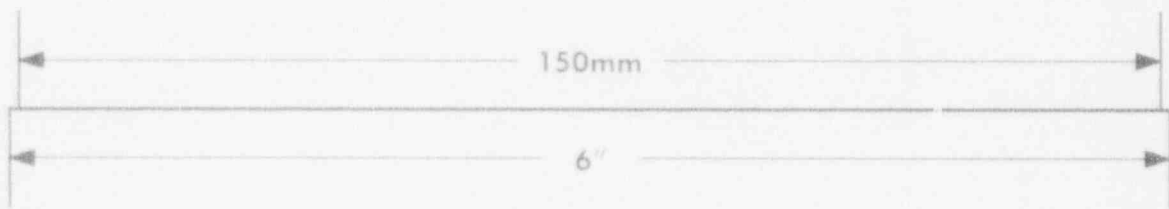
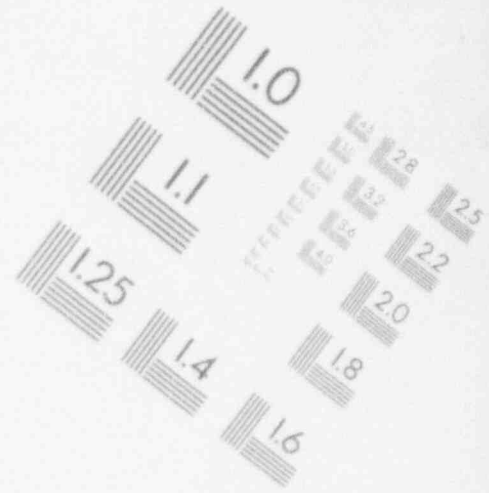
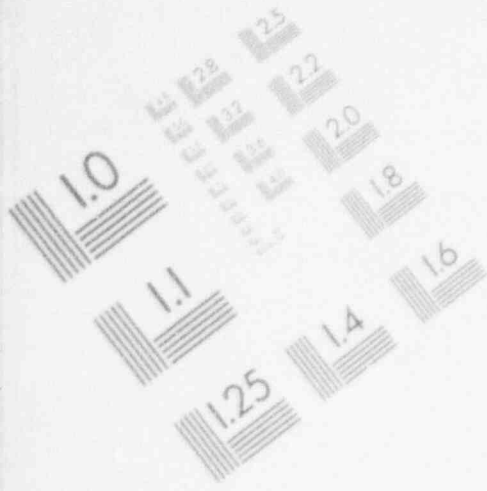
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IMAGE EVALUATION TEST TARGET (MT-3)



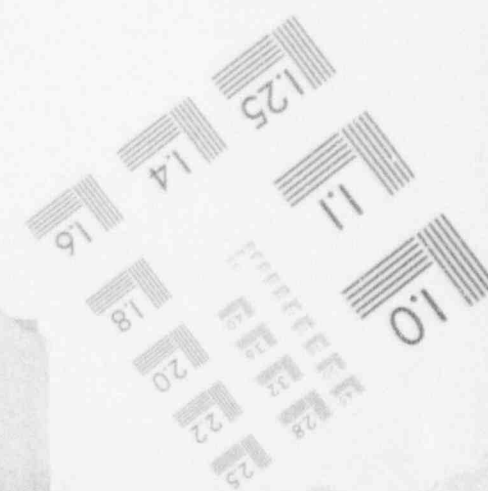
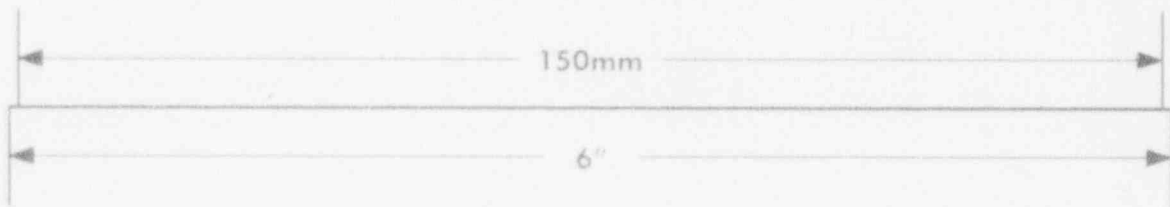
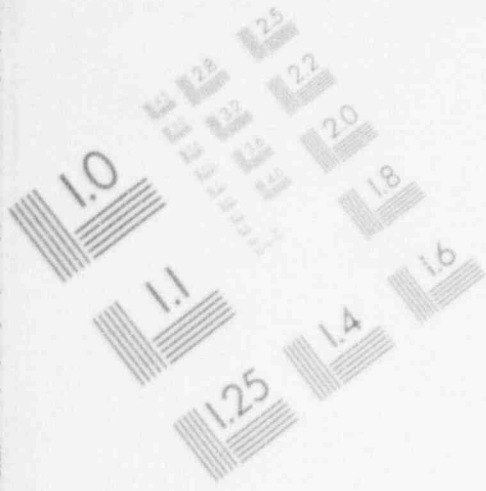
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IMAGE EVALUATION TEST TARGET (MT-3)



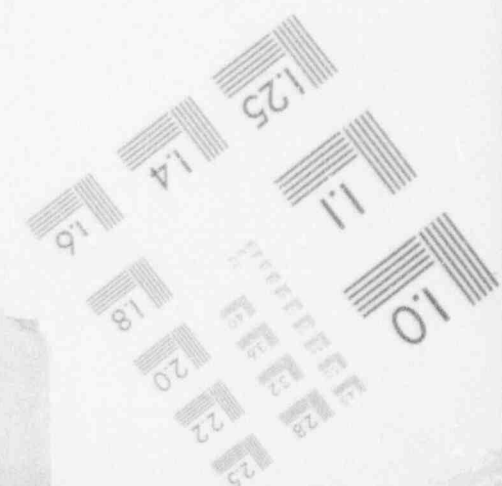
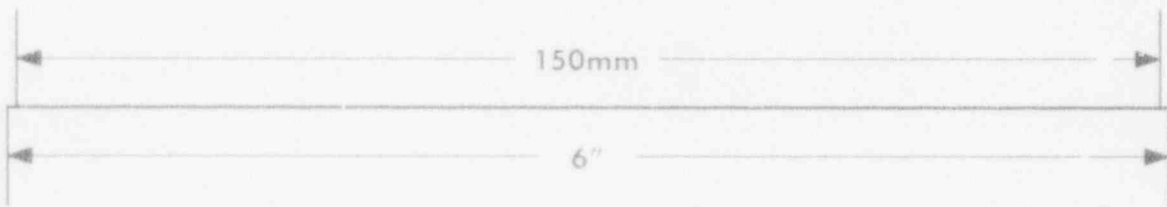
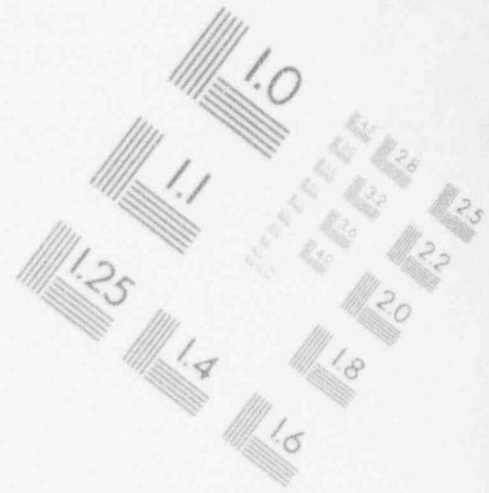
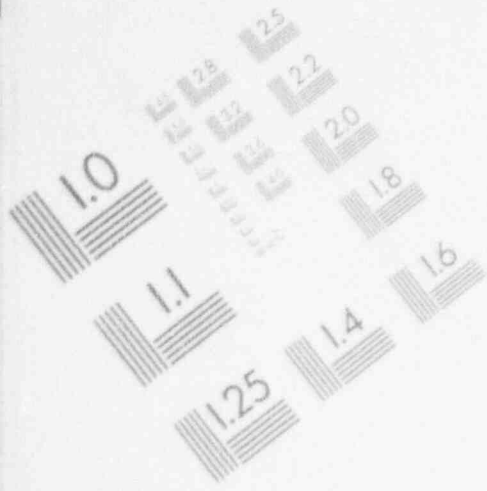
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IMAGE EVALUATION TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)



1 program, of NRC regulations, is that correct?

2 A I think that's correct, that's Section D I believe
3 -- yeah, in the health physics section, that is covered in
4 the orientation.

5 Q And particular special reference, it's covered
6 under paragraph seven in Section D of the health physics
7 part?

8 A That's correct.

9 Q And in this manual, it gives a reference to the
10 fact that NRC regulations governing work with radioactive
11 materials are published in Title 10 and then it goes on to
12 reference the two parts that most directly affect you as a
13 worker, and I'm sure it's talking as a contract worker in this
14 instance or even as an employee --

15 A As an employee also.

16 Q -- are Part 19, which is notice, instructions and
17 reports to workers and inspections and Part 20 which is
18 standard protection against radiation, is that correct?

19 A That's correct.

20 Q And as a matter of information for the record, I
21 believe Part 19 deals with safety or radiation protection, or
22 is that Part 20?

23 A I'd have to go back and read those, I don't know
24 off-hand.

25 Q Well I believe it says Part 19 requires that

1 workers receive instruction in radiation safety in general,
2 and I think Part 20 establishes limits for radiation exposure
3 to workers and the general public, and permissible levels. I
4 believe that's correct.

5 A That's correct.

6 Q One of my questions to you, sir, is, being that the
7 NRC regulations are somewhat touched on and made reference to
8 the contractors who attend the eight-hour one-day session, do
9 you know if this same information is provided in the five to
10 seven minute tape?

11 A It's not provided in the videotape, but I have just
12 remembered that it is also posted on our entrances to our
13 facilities, both at the training center and at the UF-6
14 plant, that information will be posted. They'd have to stop
15 and read it themselves.

16 Q Do you think it'd be posted at the excavation pit?

17 A No, I don't think so.

18 Q And I don't mean that facetious --

19 A Well I understand.

20 Q -- I mean, do you think these people would have an
21 opportunity, if they were particularly being granted access
22 as we've mentioned, as kind of a visitor status, would they
23 know that this is posted on the board to review?

24 A Unless they took their own initiative to read those
25 things on the bulletin board when they went by. that's the

1 only way they would know it unless their contractor shared it
2 with them.

3 Q Would I be probably somewhat correct in that the
4 project manager or the Sequoyah Fuels person in charge of the
5 contractors would not generally go over these -- would that
6 be a correct or an incorrect statement? Knowing that it
7 calls for somewhat of an opinion on your part.

8 A I couldn't answer that, I don't know. A lot would
9 depend on the engineer in charge or the employee in charge.
10 I just really couldn't answer that.

11 Q But I think I'd be correct in my assessment that as
12 a matter of routine when they come through the gate in the
13 five to seven minute video, they do not receive a hand-out or
14 specific video training on Parts 19 and 20?

15 A No, they do not.

16 Q All right, sir. One last bit of information I need
17 on the badging. You commented earlier that your department
18 prepares the badges themselves.

19 A That's correct, yes.

20 Q Do you give these badges to the contractor at the
21 end of the day or do they have to pick them up as they report
22 to work the first day that they're scheduled to come to the
23 site?

24 A We carry them or send them to the guard house and
25 they'll pick them up on the day that they report to work.

1 They're not given to the employee or the contract employee.

2 Q And as far as you know, as a matter of policy
3 around here, the contractor picks them up every day and must
4 turn them in every day upon entering and leaving the site
5 respectively?

6 A He can't get into the site without the ID being
7 handed to him by the guard and he has to give it back to the
8 guard before he leaves.

9 Q Should one of these individuals that has taken the
10 eight-hour training program lose his badge, who's
11 responsibility is it for replacement of it?

12 A It's the responsibility of Health & Safety and
13 Security to do that.

14 Q Do they notify you?

15 A They notify me and then they send the contract
16 employee or the employee over for a new ID.

17 Q So your records would also reflect the loss of any
18 badge?

19 A No, my records don't reflect the loss. There is a
20 form filled out on the loss of the badge, but I don't
21 maintain that record.

22 Q What's the purpose of notifying you then?

23 A I have to make a new ID.

24 Q Oh, your division is responsible for all IDs?

25 A All IDs, yes.

1 MR. CHAPMAN: Oh, okay.

2 All right, sir, I don't think of any other
3 additional information I need. Do you have anything you wish
4 to add or any areas that you feel are pertinent to what I'm
5 inquiring about here as far as training and orientation to
6 contract personnel that were working in the solvent
7 extraction excavation area?

8 THE WITNESS: Not anything other than what I've
9 already said, I don't think.

10 MR. CHAPMAN: All right, sir. Mr. Martin, have I
11 or any other NRC representative threatened you in any manner
12 or offered you any reward in return for this statement?

13 THE WITNESS: No, you have not.

14 MR. CHAPMAN: Have you given this statement freely
15 and voluntarily?

16 THE WITNESS: I believe I have, yes, I have.

17 MR. CHAPMAN: Is there anything further you care to
18 add for the record?

19 THE WITNESS: No, sir.

20 MR. CHAPMAN: The time is ten minutes after 12 and
21 the interview is closed. Thank you.

22 THE WITNESS: Thank you.

23 (Whereupon, the interview was concluded at 12:10
24 p.m.)

25

C E R T I F I C A T E

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

Name: Investigative interview of Derrell Martin

Docket Number:

Place: Gore, Oklahoma

Date: March 4, 1991

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

William L. Warren

William L. Warren
Official Reporter

Ann Riley & Associates