

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

1 In the Matter of:

2 IE TMI INVESTIGATION INTERVIEW

3 of John J. Allen
4 Supplier of Safety Equipment

5
6
7
8
9 Trailer #203
10 NRC Investigation Site
11 TMI Nuclear Power Plant
12 Middletown, Pennsylvania

13 June 1, 1979
14 (Date of Interview)

15 July 5, 1979
16 (Date Transcript Typed)

17 283
18 (Tape Number(s))

19
20 *7908090 ~~330~~
320*

21 NRC PERSONNEL:

22 Mark E. Resner
23 Gregory P. Yuhas
24 William H. Behrle (Met-Ed)

25 000 289

1 RESNER: This is an interview of Mr. John J. Allen. Mr. Allen is a supplier
2 of safety equipment. At the present time, it's 2:12 p.m. EDT, and today's
3 date is June 1, 1979. This interview is being conducted in Trailer 203,
4 which is located just outside of the south gate to the Three Mile Island
5 facility. Individuals present for this interview representing the NRC
6 are Mr. Gregory P. Yuhas. Mr. Yuhas is a Radiation Specialist employed at
7 Region I with the U. S. Nuclear Regulatory Commission. Also present
8 representing the Metropolitan Edison Company is Mr. William H. Behrle.
9 Mr. Behrle is a Project Engineer, stationed at the Reading facility.
10 Moderating this interview is Mark E. Resner. I am an investigator with the
11 Office of Inspector and Auditor, Headquarters, of the U. S. Nuclear Regula-
12 tory Commission. Prior to taping this interview, Mr. Allen was given a two
13 page document which explained the purpose, the scope and the authority by
14 which the Nuclear Regulatory Commission is conducting this investigation.
15 In addition, it apprised him that he is entitled to a representative of his
16 choice to be present during the interview, and that in no way is he compelled
17 to talk with us should he not want to. On the second page of this document,
18 Mr. Allen has answered three questions, which I will state for the record.
19 Question one, do you understand the above. He has checked yes. Is that
20 correct, Mr. Allen?

21 ALLEN: Yes.

22
23 RESNER: Do we have your permission to tape the interview? Mr. Allen has
24 checked yes. Is that correct Mr. Allen?
25

1 ALLEN: Yes.

2
3 RESNER: Question three, do you want a copy of the tape? Mr. Allen has
4 checked yes. Is that correct Mr. Allen?

5
6 ALLEN: Yes.

7
8 RESNER: O.K. We'll provide you with a copy of the tape at the conclusion
9 of the interview. At this time Mr. Yuhas will have some questions to pose
10 for you.

11
12 YUHAS: Mr. Allen, do you routinely supply Metropolitan Edison Company with
13 supplies that are routinely used in the radiation protection Health Physics
14 areas?

15
16 ALLEN: Yes.

17
18 YUHAS: Do you have a standing contract with Metropolitan Edison as a sole
19 supplier?

20
21 ALLEN: Right now I have an emergency blanket order contract for the emergency
22 that's presently going on. I have had, if you say, contracts... usually it
23 was on bid, lowest bid proposal, on most of the items. And I have won some
24 over a period of years, for different companies and, sorry to say, I also
25 lost some.

000 291

1 YUHAS: How did you become aware of the incident at Three Mile Island?
2

3 ALLEN: Basically, general news media. I got some phone calls from different
4 people in the industry that questioned me on if anything was going wrong,
5 and once I heard that there were things going wrong, I started to see what
6 emergency stuff I could line up, that they may need.
7

8 YUHAS: When were you first contacted by a representative of Metropolitan
9 Edison Company?
10

11 ALLEN: Basically, I was probably contacted around 10 or 11 o'clock in the
12 morning. It was on the first day. I made the first contact. I called the
13 HP's and told them that I had some equipment that they might need. Scott
14 Air Packs, for instance, were offered on loan by one of my distributors.
15 And I made a contact with the HP department and told them that I had Air
16 Packs. And then everything took off from there.
17

18 YUHAS: Do you remember who you talked to the first day?
19

20 ALLEN: What's the blond headed guy on? Oh, I don't know.
21

22 YUHAS: Would that have been Mr. Fred Huwe?
23

24 ALLEN: Yes.
25

000 292

1 YUHAS: The HP Foreman?

2
3 ALLEN: Yes, yes. I talked to Huwe on the air packs. In fact, that was
4 the second day ... that was the second day let me get things running here.
5 Most of my activities, as far as orders, took place on the second day.

6
7 YUHAS: Then you did not make contact with the licensee the first day?

8
9 ALLEN: Yes, I talked to different people on the first day. I'm just
10 trying to think who I talked to. You know, just questions ... offering our
11 services. Again, you couldn't get through the telephone lines. So, I was
12 dropping messages off to a lot of anonymous people, you know, in the HP
13 departments, saying what we had and what we didn't have. And then I started
14 getting phone calls on the 29th. So, I did make contact with a lot of
15 people on the 28th, but to say who, was almost impossible because most of
16 the names ... a lot of the names, I didn't recognize.

17
18 YUHAS: On the 29th, on Thursday, the 29th, you began to receive return
19 calls from representatives of Met Ed?

20
21 ALLEN: Yes, I started getting requisitions and purchase orders. And first
22 of all, inquiries if I could get certain things. And I had already had my
23 gears in motion. So most of it was respiratory equipment.

1 YUHAS: Do you know who you were dealing with on the 29th?

2
3 ALLEN: I believe the first girl that gave me an order was from the Purchasing
4 Department in Met Ed. She's an expediter. Her name is ... I go blank on
5 these now. I'll have to get you her name.

6
7 YUHAS: Do you remember what the first requisition was? Or do you have a
8 record that would assist you in recalling that?

9
10 ALLEN: Yeah, 3/29 requisition, purchase order number 68460, 100 respirators
11 and 200 cartridges.

12
13 YUHAS: Can you describe the type of cartridges?

14
15 ALLEN: I believe these are Scott numbers. I would have to check, I guess,
16 my invoices.

17
18 YUHAS: Do you recall if those were cartridges designed for the removal of
19 radioactive iodine in air?

20
21 ALLEN: That's a loaded question. Because ...

22
23 YUHAS: Let me unload it. I'm not asking you if they are NIOSH approved or
24 MESA approved, but I want to establish is that you supplied, I assume, full
25 face masks?

1 ALLEN: Yes, they were full faced masks.

2
3 YUHAS: And you probably supplied GMR cartridges. Right?

4
5 ALLEN: Well, they were radionuclide cartridges.

6
7 YUHAS: O.K. These would be the magenta, the color of the footballs?

8
9 ALLEN: Yes.

10
11 YUHAS: ...called GMR's?

12
13 ALLEN: Yes. And some of them were piggy backed. The reason I said it was
14 a loaded question was because I don't believe there is an approved iodine
15 cartridge on the market.

16
17 YUHAS: Again, we not worried about guessamatics. What we want to know on
18 the 29th you sent ... did you send them on the 29th?

19
20 ALLEN: I don't know if we got them out that day or not. We delivered ...
21 we might of had them out here the next day.

22
23 YUHAS: And that would have been 100 full faced?

1 ALLEN: Yes. 65 H respirators and ...

2
3 YUHAS: 200 charcoal cartridges?

4
5 ALLEN: Yes.

6
7 YUHAS: Was anything else ordered on the 29th?

8
9 ALLEN: 50 Scott Air Packs, 1,075-8 Welch cartridges and ...

10
11 YUHAS: O.K. The Scott Air Packs, were these Scott 2's?

12
13 ALLEN: I believe so. I think that's what they were.

14
15 YUHAS: And when were they delivered, to the best of your knowledge?

16
17 ALLEN: Probably the 29th or the 30th. We sent a truck down. They were
18 approved air packs. I believe they were 2's. And again, I would have to
19 check the invoices.

20
21 YUHAS: O.K. The full face with the charcoal cartridges, Scott type, can
22 you be a little more specific. We're trying to establish times when these
23 were delivered to the licensee.

24 000 296

25

1 ALLEN: The only way I could do that is by checking my delivery receipts.
2 And giving you the copies of the delivery receipts and dates.

3
4 YUHAS: O.K.

5
6 ALLEN: I've got about 600 invoices and we were flying like 20 hours a day.
7 So, until I go back and look at them.

8
9 YUHAS: O.K. The reason for establishing ... in an emergency we are
10 trying to evaluate whether the licensee should have on hand large volumes
11 of rather costly equipment, or what the lead time is, for instance to get
12 them from a fellow like yourself. In other words, you were called apparently
13 on the first order came in on the 29th, and it appears you were able to
14 deliver that within 24 hours. Is that correct?

15
16 ALLEN: Yes. Let me ask something here. First of all, on most of the
17 Scott stuff, I called most of the local Scott distributors in the area.
18 And found out that most of the stuff your looking for, they were calling
19 for 6 to 8 weeks delivery. And I had to start calling all over the country
20 till I found somebody who had an adequate stock. Now, my background has
21 been ... I've been associated with many safety companies and also one of
22 the nuclear laundries. So my concept has been, and the concept of the
23 company that I represent ... has been in the event of a catastrophe like
24 this, there is no local guy or no company that's going to keep all that
25 stock. Because the way utilities go, you have to go low bidder. So, we're

1 been working on the idea that if ... and this has been for many years ...
2 God forbid anything went wrong someplace ... we had to have some sort of a
3 plan. We were trying to sell the idea that we would have inventories, even
4 for major outages, on trailer trucks. And we would bring in the trailer
5 truck, and leave it at the site. You would sign a receipt of it, and this
6 and that, and pay us a rental fee, and only pay for what you use. This is
7 the idea we were trying to promote. So basically, we had ... had many
8 contacts. Then again, your situation here was unique because you say the
9 utility trying to establish how much they should keep. O.K. In this
10 situation you had HP teams from every major utility in the United States.
11 Every truck that pulled in here had a different type system. Different
12 type respirators, different type masks, and they all brought their own
13 equipment. So consequently, there was a lot of strange stuff popping up
14 that you needed replacement parts for and stuff like this. And this is why
15 again, being associated with the laundry and having contact with replacing
16 and cleaning of equipment, we knew just where to go for different parts and
17 everything else. But in answer to your question in as far as how much
18 stock should they keep on hand? I think your going to learn a lesson this
19 time. I think your going to get the answers at the end of this. Because
20 you can be overstocked. I mean this could never happen again, but I think
21 that there should be some sort of a bank in the midst of ... especially
22 this Pennsylvania, New Jersey, Maryland area where if the utilities combine
23 their inventory. It would be shared and used by many utilities to bring
24 the cost down.

1 YUHAS: Now let's get back to the Welch's now. We have got 100 Scott full
2 face, 50 Scott Air Packs. How many Welch's and were there masks?

3
4 ALLEN: No these were 7,500-8 cartridges. These are also the radionuclide
5 and approved cartridges, purple or magenta color cartridge. We brought in
6 a 1,000. These were a verbal order from Gablusky, because he was with
7 Jersey Central and Jersey Central uses Welch. So they were looking for
8 replacement parts for their cartridges. And I got this through another
9 company, basically, and the one thing I did do was, I was getting a lot of
10 orders from different places, and I was refusing them, because I've been
11 dealing with Met Ed and I made sure that Purchasing was aware of anything
12 that was going on. This eliminated stuff coming out of the field with no
13 purchase orders, because in dealing with 10 or 11 different suppliers, the
14 purchase order was the only document in the way of getting paid. And I
15 wouldn't bring anything in here without an approval, without the Purchasing
16 Department in Met Ed.

17
18 YUHAS: Did you supply the MSA charcoals?

19
20 ALLEN: No, I have no connection with MSA.

21
22 YUHAS: O.K. So, these were the orders that came in the first day. Were
23 there additional orders?

24 000 299
25

1 ALLEN: This is probably the next day. See being real smart, I don't date
2 nothing. I have to give you the ... I got orders probably on the next day
3 for shoe covers. Being associated with the laundry, we found out that the
4 Tingley boot couldn't be dry cleaned on the site. So, we made the recommen-
5 dation that they go to the canvas shoe cover with a PVC overshoe, because
6 the Tingley boot alone cost 8 or 9 dollars, and 75 cents to clean, or
7 something like that. The combination I just mentioned, you could bring in
8 for under 75 cents and throw it away. And turnaround time was very impor-
9 tant, so we made the recommendation that they go to the PVC and the canvas,
10 which they did. That happened the next day. Then I got a ... we also made
11 the recommendation ... I believe that this was shipped on the 3rd, so it
12 must have been the 1st or the 2nd, disposable gloves, in place of gloves,
13 and canvas, like I told you about, and 40,000 pair of PVC shoe covers.
14 That was the next week. And we get to ... I can give you purchase order
15 numbers on this stuff so...

16
17 YUHAS: That won't be necessary. Actually, the scope of the investigation
18 is the first three days. So really we have just covered it. In other
19 words, we're concerned from the 28th to the 30th, for the purpose of this
20 investigation.

21
22 ALLEN: My basic thing then a ... cartridges, making it known to them what
23 I could get my hands on for them, as fast as they needed it. And sort of
24 working with the laundry facilities to see, you know, what they thought as
25 far as turnaround time. You know, I use to work for the laundry, too.
So...

1 YUHAS: Do you routinely supply protective clothing, in addition to this.
2 In other words, the paper coveralls, cloth coveralls, surgeons gloves?
3

4 ALLEN: Yeah, I have everything ... full line.
5

6 YUHAS: Could you basically describe the ... was the licensee's inventory
7 such that he didn't have to contact you until day 3 or day 4, for this type
8 of stuff?
9

10 ALLEN: The licensee is, in far as item like that, was in tremendous shape.
11 The ... I think the general scope of the thing was ... they've been backing
12 themselves up. They were always in a position to back themselves up. In
13 fact, I'm very proud to say, that a couple of meetings with different
14 people, the HP department, never suffered for anything, as far as I was
15 concerned. As far as Welch and Scott, we had everything here for them. We
16 had all the equipment and supplies they needed. Due to the oil shortage,
17 we were even first on all the lines for PVC, because there's a six to eight
18 week waiting list for yellow bags and for shoe covers and stuff like that.
19 But we got priorities and we have a pretty good stockpiles, and we got put
20 first in line.

21
22 YUHAS: Do you market, or do you distribute the Scott's speak easy 2, or
23 equivalent types of devices?
24
25

000 301

1 ALLEN: I am not a Scott distributor. I am a Gofer. Nobody like I said in
2 the beginning ... all Scott distributors had nothing. I was shooting
3 around all over the country, trying to buy stuff. I went to Scott direct.
4 In fact, right now, I'm ready to pull Scott apart. Because Scott have
5 their air packs, sitting on the line, not ready for resale and they will
6 not break them down and give us the parts, that we could use here. And I'm
7 getting tired of making 9 dollar phone calls for 30 cent parts.

8
9 YUHAS: Do you know why?

10
11 ALLEN: Do I know why they did ...? Yeah, I know why. They've been recalled.

12
13 YUHAS: There was a warning issued based on some defects in the Spartan-
14 Scott diaphragms in the speak easy for the Scott 2 diaphragm tibs. O.K.
15 And that's why they ...

16
17 ALLEN: No. I very familiar with the whole situation. In fact, I'm aggre-
18 vated with the situation. I was familiar with the situation two weeks
19 before the Texas thing happened. And I just ... I didn't like the way
20 Scott handled the whole thing. I'm a bad guy and say that their service is
21 for the birds.

22
23 YUHAS: O.K. I don't have any further questions, and I certainly appreciate
24 your telling us what you did. It would be helpful if ... do you know if
25 you dealt with a fellow named Limroth, in terms of acquisition? Do you

1 remember any of the HP people that you dealt with? We're trying to establish
2 who was setting up the line of supply for the licensee? We haven't been
3 able to do that, because we can't come up with a name.

4
5 ALLEN: I think the line of supply, basically, from what I can see, for
6 anything in HP protective equipment, really was in such good shape that why
7 would somebody have been needed to set it up when the warehouse was full of
8 stuff? I made my contacts to turn around and say, hey, the laundry will
9 not be able to give you the foot protection because it's dry cleaned and
10 portable on site, let's go with the canvass and the rubber. So, that was
11 the only change that was made there. In other words, to expediate time and
12 to save money, they made that switch to the PVC and to the ... and that was
13 the only change I've seen. I have yet seen them be out of one item.

14
15 YUHAS: Were you instrumental in arranging for the laundry ... the dry
16 cleaning operation?

17
18 ALLEN: Yeah, I would have to say I knew a little bird that was sitting
19 some place, and I sort of said why don't you get that thing up here.

20
21 YUHAS: Do you know when it arrived on site?

22
23 ALLEN: I don't know the exact date. I know it was supposed to be working
24 in another plant. And I said, why don't you get it up here. That was
25 basically it. They needed it, and it was something new ... a new concept
that it proved be ...

1 YUHAS: I don't have any further questions at this time, and if you would
2 like to make a comment that you think may be valuable in future planning or
3 procurement, we'd be happy to hear it based on your expertise in the area?
4

5 ALLEN: From what I've seen, out here, I think that the HP department has
6 done a tremendous job. And I think that they've had people here that
7 worked way beyond capabilities of normal human beings. I know my own
8 people have done it, I've seen guys out here that worked 7, 8 and 9 days,
9 13, 14, 15 hours a day. And I believe the criticism their getting from,
10 again, the press, has been ridiculous. I think the unit has done exactly
11 what it was supposed to do. it shut itself down. Want me to tell you how
12 to cure the bubble?
13

14 YUHAS: Thank you very much, Mr. Allen.
15

16 RESNER: This concludes the interview with Mr. Allen. The time now is 2:34
17 p.m.
18

19 000 304
20
21
22
23
24
25

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

1 In the Matter of:

2 IE TMI INVESTIGATION INTERVIEW

3 of Mr. John P. Donnachie, Radiation Chemistry Technician
4 Mr. Vincent C. Heilman, Radiation Chemistry Technician

5
6
7
8 Trailer #203
9 NRC Investigation Site
10 TMI Nuclear Power Plant
11 Middletown, Pennsylvania

12 June 1, 1979

13 (Date of Interview)

14 July 4, 1979

15 (Date Transcript Typed)

16 #284

17 (Tape Number(s))

18
19
20 000 305

21 NRC PERSONNEL:

22 Mr. Dale E. Donaldson
23 Mr. Gregory P. Yuhas
24 Mr. Mark E. Resner
25

1 RESNER: This is an interview of Mr. John P. Donnachie. During the
2 interview we will refer to Mr. Donnachie as Pat, since he prefers to
3 be called Pat. Also being interviewed is Mr. Vincent C. Heilman.
4 Both Mr. Heilman and Mr. Donnachie are Radiation Chemistry Technicians
5 employed by the Metropolitan Edison Company at the Three Mile Island
6 facility. Present time is 3:25 PM Eastern Daylight Time and today's
7 date is June 1, 1979. This interview is being conducted in Trailer
8 203 which is located just outside of the South Gate to the Three Mile
9 Island facility. Individuals present for this interview representing
10 the NRC, a Mr. Dale E. Donaldson. Mr. Donaldson is a Radiation Specialist
11 employed at Region I, the U. S. Nuclear Regulatory Commission. Also
12 present, Mr. Gregory P. Yuhas. Mr. Yuhas is a Radiation Specialist
13 employed at Region I with the U. S. Nuclear Regulatory Commission.
14 Speaking and moderating this interview is Mark E. Resner. I am an
15 Investigator with the Office of Inspector and Auditor, Headquarters
16 the U. S. Nuclear Regulatory Commission. Prior to taping this interviewing,
17 Mr. Heilman was given a two-page document which explained the purpose,
18 the scope and the authority with which the Nuclear Regulatory Commission
19 has to conduct this investigation. This document also apprised Mr.
20 Heilman that he is entitled to a representative of his choice to be
21 present during the interview and that he is in no way compelled to
22 talk to us if he does not want to. On the second page of this document
23 Mr. Heilman has answered three questions which I will state for the
24 record. Question One: Do you understand the above? Mr. Heilman has
25 checked yes, is that correct Mr. Heilman?

000 306

1 HEILMAN: Yes.

2
3 RESNER: Question Two: Do we have your permission to tape this interview?
4 Mr. Heilman has checked yes. Is that correct?

5
6 HEILMAN: Yes.

7
8 RESNER: Question Three: Do you want a copy of this tape? Mr. Heilman
9 has checked yes. Is that correct?

10
11 HEILMAN: Yes.

12
13 RESNER: Okay. We'll provide you with a copy of the tape at the
14 conclusion of the interview. Mr. Donnachie was interviewed on a prior
15 occasion and also was shown this two-page advisement document and for
16 the record I will confirm how he answered the three questions on the
17 back. Question One: Do you understand the above? Mr. Donnachie has
18 checked yes. Is that correct Mr. Donnachie?

19
20 DONNACHIE: Yes.

21
22 RESNER: Question Two: Do we have your permission to tape this interview?
23 Mr. Donnachie has checked yes. Is that correct?
24
25

000 307

1 DONNACHIE: Yes.

2
3 RESNER: Question Three: Do you want a copy of this tape? Mr. Donnachie
4 has checked yes. Is that correct Mr. Donnachie?

5
6 DONNACHIE: Yes.

7
8 RESNER: Allright. We'll provide you with a copy of the tape at the
9 conclusion of this interview. In addition to this two-page advisement
10 document both individuals were given a statement which explains Title
11 18 of the United States Code Section 1001 which pertains to fraud and
12 false statements. Each individual has read this statement and signed
13 and dated this statement. At this time I will ask Mr. Heilman if he
14 will give us a brief resume of his experience and his education in the
15 nuclear field. Mr. Heilman.

16
17 HEILMAN: I attended a Catholic High School from 1962 to 1966 graduating
18 1966. I spent the next year at Finhill Prep School in Fairfax, Virginia
19 to prep me for college and in 1968 I entered Millersville State College
20 in Millersville. Attended three years but I did not graduate. I
21 started with Metropolitan Edison in January of 73. My first three
22 months on the job I... were spent, one half day was spent in school,
23 which Met Ed's training department taught, and the other half a day
24 was spent on-the-job training. That's about the extent of the training
25 until cause when I first ... well do you want me to go on.

000 308

1 RESNER: That's good enough. That's fine. Thank you Mr. Heilman.

2
3 YUHAS: Okay. The way we're gonna work this because there are four
4 people, prior to answering questions or addressing a question please
5 state your last name because this tape will be transcribed and it
6 makes it much easier for transcription. The purpose of this interview
7 is to verify the entries or training that appear on each training
8 record that has been provided to the NRC by the licensee. Prior to
9 the interview I provided each of you a copy of this record as provided
10 to us. You both have been given the opportunity to review the record
11 and now I would like each of you to comment as to whether or not the
12 training described on this record was in fact provided to you. Mr.
13 Donnachie will you begin.

14
15 DONNACHIE: Okay. On my training transcript here the first time that I
16 see is Unit 2 HP and Startup. Unit 2 HP... I have 24 hours marked
17 down here as far as the time that I was spent to be trained. It has
18 no designation whether it's on-the-job or lecture, so I don't really
19 know what you mean by that but just going back to 12/1/78 at the time
20 I supposedly had 24 hours yet it was not classroom type. We more or
21 less had very limited training in Unit 2 HP as far as technical training.
22 The 24 hours which I may... out of looking at it now may refer to the
23 chemistry end of my job as far as 24 hours in chemistry that week that
24 we had spent during our routine analysis in support of Unit 2. Going
25 down the list, Unit 2 Tech Spec which we spent 1 hour on,... that may

1 have been a one hour half hour to one hour briefing on a question and
2 answer type on the Unit 2 Tech Spec so that may be. That looks to be
3 true although I more or less suspect that as the validity of it and
4 which Tech Specs were involved. Going down to GET training which is a
5 yearly training that we go through. This as far as I know is one of
6 three regulatory training modes we go through. The other two being
7 emergency drill and I think the first aid is the third one on that for
8 a yearly regulatory training. Commenting on the GET training, that
9 includes security, QC, and safety as well as health physics. Being a
10 Health Physics Technican we normally don't go through the health
11 physics training because it's a basic training which is given to
12 employees that have no feel for HP throughout the year. So we normally...
13 there's a test involved in the health physics section and we normally
14 take the test and other than that I feel that regulatory training in
15 this respect isn't what it should be as far as our group. Going down
16 to the next item, is Operation and Use of the Sam II. RCT 7 which I
17 would presume is Rad Chem Tech and I don't really know what the 7
18 means. That was a lecture for 2 hours. We were scheduled to have
19 this training three or four times and each time the training was
20 cancelled. We brought this to the attention of our supervisor who was
21 Tom Mulleavy and he had scheduled numerous retraining on this type of
22 instrumentation all which were cancelled at one time or another. And
23 going down the list to the next item would be Pre-Treatment and LAWT
24 which stands for Los Angeles Water Treatment which is a Unit 2 system,
25 a lecture for 8 hours, which was given 7/1/77, which to my knowledge I

1 have never sat through 8 straight hours of this type of treatment, of
2 this type of training. Pre-Treatment being the system was really
3 never put into operation as well as LAWY was operating for a short
4 period of time. It was a matter of going over there and supporting
5 operations and we had to my knowledge haven't sat down for 8 full
6 hours for either one of these systems as far as the lecture training
7 involved. And these are about the items I have a question.

8
9 YUHAS: Mr. Donnachie did you take the GET HPN Test?

10
11 DONNACHIE: Yes.

12
13 YUHAS: Fine. Mr. Heilman would you review your training record
14 please.

15
16 HEILMAN: Really the only one item I have a question is one that
17 affected me. But that I mean I'm referring to the operation and use
18 of SAM II same one Pat Donnachie referred too. I frankly don't remember
19 gettin any lecture and this did come back on my on an emergency drill
20 when I was called upon to operate the instrument and really couldn't
21 operate it properly. Although there was a procedure with the emergency
22 kit, but it was dark, it was a drill I couldn't really make much out
23 of the procedure because it was to dark all we had was a flashlight.
24 And I also, I guess could question the first item which is Unit 2 HP
25 and Startup. It seems to me what they tried to do here is lump our

1 working in getting Unit 2 to started up into training and there really
2 wasn't any training at all. It was just normal work duties and looks
3 like they tried to insert it as training. So with the exception of
4 those two items I would pretty well much agree with what's on the
5 sheet.

6
7 YUHAS: At this time I'd like to present to you gentlemen the, another
8 additional document which has been provided to me by the Training
9 Department and it is entitled Training Program - Administrative Form
10 Unit 2 HP Chem Startup TMI and this form lists several individuals
11 including Mr. Heilman and Mr. Donnachie indicating that 24 hours of
12 on-the-job training was provided at the completion of 12/1/78. The
13 form is signed by Mr. Velez dated 12/1/78 and under Item 7, Instructor
14 Comments, Mr. Velez makes this comment: During the past six months
15 the techs have been getting good instructions in both HP and Chem
16 aspects of the Unit 2 Startup. At this time I'd like to pass this
17 first to Mr. Donnachie for his comment. My questions are: Did you
18 sign the form to and what is your comment relative to Item 7 on back
19 of the form?

20
21 DONNACHIE: No I did not sign the form. And Mr. Velez should brief
22 you on who actually gave the instructions being he's a Unit 1 Health
23 Physics Foreman. Fred Huwe who is not here at the time, was in fact
24 Unit 2 Health Physics Foreman and I don't know how much information
25 Velez had gotten off of him to put these comments down or whether it

1 was the training... was just based on Unit 1 or Unit 2 Chemistry
2 Startup or Unit 2 HP which it seems like it's a general synopsis of
3 the two together.

4
5 HEILMAN: I also didn't sign this thing either. My name is just
6 printed on here. And I don't know what Pete's talking about but if he
7 means on-the-job training as you go along you ask questions and you
8 get an answer sometimes, I guess he could consider that good instruction
9 but as far as any formal instruction I really don't know what he's
10 talking about.

11
12 YUHAS: Then since it is on-the-job training it appears that it is for
13 the purposes of the entry there, not clear as to the method of training
14 but in fact you may have both worked in Unit 2 for 24 hours total
15 prior to 12/1/78, is that correct?

16
17 DONNACHIE: That's correct. There's a similiarity between Unit 1 and
18 Unit 2 as far as health physics and that's a pretty basic subject
19 anywhere and it seems that the science of health physics was continuing
20 into Unit 2 only it was documented as training if that is in fact what
21 he means by the training program form here. Just commenting on a
22 specific item being the Unit 2 RMS System, we have wanted training,
23 in-depth training on that for weeks and we were trying to get a training
24 manual made up for it and I myself went to Tom Mulleavy a number of
25 times and asked if he could formulate a training manual with the RMS

1 System put in it. The end result was after months of waiting and
2 reminding. We finally got a training, some type of manual made up for
3 Unit 1 and Unit 2 RMS Systems put together as one but we had never
4 went and set down and discussed it. He brought back 6 or 7 copies
5 back, handed them to me since I was the one involved trying to get it
6 formulated and he had also wanted to have one formulated it also at
7 this time. Time being a factor and him being involved in other evolutions
8 didn't get time to get it at the time I wanted it. But knowing my
9 knowledge in our department, actually set down in a lecture or a
10 training room atmosphere on the RMS System in the Unit 2. Fred Huwe,
11 who is Unit 2 Foreman, briefed I would say just about everybody in the
12 department concerning different area atmosphere monitors and their
13 operation. Being that you had to change particulate, charcoal filters
14 each every for Unit vent and things like that. But as far as the area
15 gamma monitors we were never taken around at least I myself was never
16 taken around Unit 2 and shown where all these area monitors were and
17 the only reason that I know where the ones are that I know is by
18 looking at that manual and physically walking in the building to see
19 where they're at. And this is the type of training that we technical
20 training that we should of received at Unit 2 and I think they're
21 confusing the technical training with on-the-job training but surely
22 we were there on-the-job if they were to consider that training but
23 technical training over there was almost null.

000 314

1 YUHAS: Let's move on to the next one. Mr. Donnachie, the LA Water
2 Treatment System 8 hours dated 7/1/77, can you in sincerity say that
3 you did not receive that or has it been so long that you can't remember
4 receiving it?

5
6 DONNACHIE: I can't in all sincerity say I've never received it. I
7 may have received it but it just seems that 8 hours of a lecture
8 there, I can't remember ever sitting down for 8 hour period on any one
9 particular subject, much less than that, since that is a minor system.
10 The only thing I probably received the training the only thing that I
11 would question there would be the 8 hour lecture that they have down
12 on that.

13
14 YUHAS: Mr. Heilman or Mr. Donnachie, can you confidently say that you
15 did not receive the SAM II training that is noted on your record as
16 being provided in a two hour lecture on 9/14/77?

17
18 DONNACHIE: Yes I can.

19
20 HEILMAN: Yes I also can.

21
22 YUHAS: At this time I'd like to present to you gentlemen for inspection
23 a record titled "Training Program - Administrative Form" and the title
24 for the course Item 1 was "Operational Use of SAM II", the dates of
25 the course were provided was 9/12, 9/13 and 9/14, the location was

1 TMI, the course duration was 2 hours, the instructor is indicated as
2 T. Mulleavy and Sid Porter. Item 6, personnel attending included in
3 this list are, V. Heilman and P. Donnachie, signature of the instructor
4 is Tom Mulleavy dated 9/16/77, signature of the supervisor of training
5 is Richard Zeckman dated 1/7/77. On the reverse side of the form the
6 instructors evaluation and I quote "all individuals were responsive to
7 the material as it was presented, they were allowed to use the equipment
8 and each demonstrated his ability to use the equipment." The instructors
9 signature is Thomas L. Mulleavy dated 9/16/77. Again I ask Mr. Donnachie
10 to review this form to indicate whether or not he signed and the
11 comments on the back.

12
13 DONNACHIE: No I haven't signed this document. Nor do I have any
14 knowledge of every sitting down for 2 hours with Tom Mulleavy as an
15 instructor as well as Sid Porter being the second instructor. Concerning
16 the back as far as individuals being responsive to the material as it
17 was presented and using the equipment and each document his ability to
18 use the equipment. We weren't responsive to the material because it
19 was never given to us. We weren't allowed to use the equipment unless
20 we were in batches and took it upon ourselves to go over the equipment.
21 Before the emergency drill we even asked Mr. Mulleavy about our training
22 and being that it was almost 8, 9 months ago I can't remember what his
23 response was but he said you will get the training and it was even
24 after the emergency drill for the training but as I said previously it
25 was never brought to us.

000 316

1 HEILMAN: I also did not sign the form but I must say in all honesty I
2 do remember Sid Porter being onsite with the SAM II, he had it back in
3 the Lab very very briefly one afternoon and it was close to the end of
4 the shift and there was a lot of confusion. If they want to call it a
5 2 hour training I guess they can. But with, regarding the comment on
6 the back Section 7 I believe there was no hands-on training and I'm
7 sure I don't remember being responsive because it was just very vague
8 so in that respect I don't think it was any training.

9
10 DONALDSON: With regarding SAM II training in general, since 1977 when
11 this document indicates that something was provided, have you been in
12 a classroom situation before you had the chance to operate or be
13 instructed on the operation of the equipment?

14
15 HEILMAN: No I haven't.

16
17 DONNACHIE: No I haven't either.

18
19 YUHAS: Your training record indicates that you received rad monitor
20 team training under Procedure 1670.9 on 9/28/78. The review of documentation
21 indicates that that training would of included use of equipment in the
22 emergency kits, SAM II being an integral part of the emergency kit. I
23 have before me for your inspection a training program administrative
24 form or the lesson title is "Rad Monitor Team Training" location TMI
25 and both Mr. Donnachie and Mr. Heilman, your names appear on this

1 form. It indicates that you received a 2 hour lecture. Could you
2 comment on that Mr. Donnachie?

3
4 DONNACHIE: This is my handwriting and when was this given?

5
6 YUHAS: September 28.

7
8 DONNACHIE: 9/28/78. Okay this is a briefing. We're briefed on
9 emergency drills every year and this is what we it more or less is.
10 The lesson course if I can remember correctly and we'll have to then
11 substantiate this is when we were down in the training trailer that
12 morning going over X/Q values, okay excuse me ...

13
14 DONALDSON: I think what your confusing that with another emergency
15 training course that you have.

16
17 YUHAS: While Mr. Donaldson is arranging some forms both training
18 records indicate 2 courses within a day of each other, one was Rad
19 Monitor Team Training and the second was Accident Assessment Team
20 Training. I believe the Accident Assessment Team Training was provided
21 by Mr. Landry where as the Rad Monitor Team Training was provided by
22 Mr. Dubiel. In the Accident Assessment Team Training the class included
23 Mr. Brian Deiter, yourselves, McCann, Greg Hitz, etc. Now this is the
24 one out in the trailer with the isopleths offsite dose calculation.
25

1 DONNACHIE: That was a good training.

2
3 YUHAS: The following day the Rad Monitor Team Training was provided
4 by Mr. Mulleavy.

5
6 DONALDSON: I wan to show you a this is a lesson plan. The first page
7 is an extract out of the Emergency Plan Training Program and the
8 following pages are handwritten and represent what I assume to be the
9 lesson plan that should of been presented to meet the text of the
10 procedure. You can glance at that real quick and see if the training
11 on this date in any way resembled what's documented in that proceduræ.

12
13 RESNER: Mr. Donnachie and Mr. Heilman are reviewing the document.

14
15 DONALDSON: Does that look like any kind of formal training which you
16 would of you had in 1978?

17
18 DONNACHIE: No. We, do you remember ever seeing this?

19
20 HEILMAN: No, it all looks familiar because they we're certainly are
21 all aware of all these things just through doing your job every day
22 but as far as them sitting down no.

23
24 RESNER: The last statement was Heilman.

25

000 319

1 YUHAS: I'd like to in reference to the Rad Monitor Team Training
2 presentcd on 9/28, I'd like to demonstrate or show you the inspectors
3 evaluation signed by Tom Mulleavy dated 9/28/78. Item 7 indicates
4 that the individuals asked many questions and after the session I feel
5 that they are now able to conduct themselves in an emergency in an
6 acceptable manner. Do you remember this session with Mr. Mulleavy?
7 This session consisting of both of you and Mr. Dimeler and Mr. Pyke.

8
9 DONNACHIE: Although I don't remember the session it certainly seems
10 that I have my signature on the training sheet. As far as Rad Monitor
11 Team Training by the course criteria that they are supposed to be
12 giving us I've had this training myself 2, 3 years ago as far as the
13 context of this particular training manual. But discussing going back
14 to that particular day of 9/28/78 which isn't to long ago, I don't
15 remember that particular lecture of Tom Mulleavy and Tom Mulleavy
16 knows that we have asked him since that date on training from for the
17 specifically SAM IIs. I and members of my shift, and I can only state
18 imfactically now to this point that we have not received that.

19
20 DONALDSON: How can you, can you postulate on how your signature got
21 on that piece of paper?

22
23 DONNACHIE: Just judging back, just remembering back of Rad Monitor
24 Team Training, it could of been a practice drill on going out and on
25 the Monitoring Teams but we did not use the SAM IIs, we may have even

1 taken a SAM II out of the pack. Well to my knowledge I did not even
2 use a SAM II because I didn't know how to use it.

3
4 DONALDSON: Do you recall being on a training exercise in that period
5 of time?

6
7 DONNACHIE: Yes, we were on a training exercise for the emergency
8 drill but these exercises are going out onto the field and actually
9 performing a practice drill for the real exercise. It doesn't include
10 2 hours of lecture training in the Lab on the use of the equipment.

11
12 DONALDSON: I guess what I'm trying to fit in is this word drill keeps
13 coming up, that appears where this training came from. Is, in looking
14 through the documentation of drills, now I think you had 6 practice
15 drills last year and then you got ready for the big one which NRC
16 observed and that was in November. So you had 6 leading up to the big
17 one and then you had another big one to make 7, I didn't find anywhere
18 where there was a training exercise or a drill conducted in that month
19 at all. Now was this a very narrow scope drill or was it involving
20 just people who would be on the Monitoring Team?

21
22 DONNACHIE: I'm just assuming. I can't remember what exactly this
23 was. I can only assume that it may have been a Monitoring Team Drill
24 although if the NRC drill was in November it probably wasn't a radiation
25 drill then in September.

000 321

1 DONALDSON: Okay. So to the best of your recollection

2
3 DONNACHIE: The best of my recollection I can not say whether that was
4 a drill or a, it certainly wasn't a 2 hour lecture on the SAM II.

5
6 DONALDSON: Okay fine. Let me ask both of you gentlemen again just
7 for the record being clear that your signatures, those are your signatures
8 made by your own hand on the copies?

9
10 DONNACHIE: Yes.

11
12 HEILMAN: Yes. I'd like to add something. If in fact we did receive
13 this training, it must of been so shallow and vague that we don't
14 remember it. So what really good did it do?

15
16 DONALDSON: Why I go back to my questioning you had a chance to look
17 over the lesson plan, if it did not cover the scope as outlined in the
18 training procedure 1670.9 and in the accompanying lesson outline
19 then... is that what your saying?

20
21 HEILMAN: Yes. It would appear to me.

22
23 DONALDSON: Okay.

24 000 322
25

1 YUHAS: Let's proceed on. The drill was held November 8 I believe 19
2 ... The tape cuts off.

3
4 DONNACHIE: Judging from that, that was R per hour.

5
6 DONALDSON: Okay. 35 R per hour. Now what would you have done with
7 that, would you have looked at 35 R per hour here or would you have
8 multiplied that by 100?

9
10 DONNACHIE: That is what I had calculated it out to be 35,000 R per
11 hour. The meter itself must have read 3500, let me think back a
12 moment. The meter was 3/4 scale on the readout.

13
14 DONALDSON: What range was that?

15
16 DONNACHIE: That must that would of had to been up around... that
17 should have been mR per hour because that was up around 10 to the 4th
18 or 5th counts.

19
20 DONALDSON: What was the scale set at on the meter, was it at 10 to
21 the 5th, 10 to the 6th, 10 to the 7th?

22
23 DONNACHIE: I don't believe it... I can't say definitiely what it went
24 up to.

1 DONALDSON: You know there's a little switch on the side full scale
2 can be, you know, any number of decades from 10 up to 10 to the 7th mR
3 per hour. Is that your understanding of that meter or does this go
4 back to your being trained in that ...

5
6 DONNACHIE: This goes back to failure to be trained. The only reason
7 I went out there was I was interested to see what the dome monitor was
8 reading.

9
10 DONALDSON: Would you be able to implement that procedure with what
11 you know about HPR-214?

12
13 DONNACHIE: Certainly not.

14
15 DONALDSON: Thank you.

16
17 YUHAS: Just a couple of very brief questions for Mr. Donnachie. The
18 first couple of days of the event, did you enter the Auxiliary Building?

19
20 HEILMAN: You said Donnachie.

21
22 YUHAS: Excuse me I'm sorry. Mr. Heilman in the first couple of days
23 did you enter the Auxiliary Building?

1 HEILMAN: Yes I did. In fact you were, ...the first time I ever met
2 you or saw you. We went down to draw a sample HPR-227 which is the
3 Reactor Building air monitor and we tried to get the sample. They
4 wanted the hydrogen oxygen content of that sample. So I did enter on
5 that occasion. I think that's the only time, that was the second day
6 after the accident I believe.

7
8 YUHAS: Yes that would of been the third day.

9
10 HEILMAN: Third day okay.

11
12 YUHAS: That would of been Friday night and that would of been your
13 first entry into the Auxiliary Building?

14
15 HEILMAN: Into the Unit 2 Auxiliary Building. Yes.

16
17 YUHAS: Okay. Where did you spend most of your time during the first
18 three days of the event?

19
20 HEILMAN: Most of the time was spent in the Site Protection Building
21 or the Processing Center, HP Monitor, issuing masks, frisking people
22 that type thing. We did make one entry into the Unit 1 control point
23 to retrieve some instruments I believe and just to make a general
24 survey of the area.
25

000 325

1 YUHAS: Do you remember when the charcoal cartridges first began
2 arriving?

3
4 HEILMAN: Some of the charcoal cartridges were there when I got there
5 which was the afternoon of the 29th. They were in that same cartridge,
6 they were already there.

7
8 YUHAS: Okay. During the first three days, did you get involved in
9 reading any personnel dosimeters, TLDs over at the Observation Center?

10
11 HEILMAN: No I didn't. To the best of my knowledge a person who did
12 most of that was one of our technicians, Ed Egenrider and he in fact
13 he did probably the entire entirety because he was here for 48 hours
14 and I was on the island most of the entire time. I didn't get into
15 any of that.

16
17 YUHAS: I don't have any further questions at this time. I want to
18 thank both of you for coming here and I guess the conclusion of this
19 interview is that both of you are firm in that you did not receive the
20 SAM II training as described on your training records and that for you
21 Mr. Heilman, you were not trained until Mr. Porter trained you after
22 the incident and as far as I understand you have yet to be trained Mr.
23 Donnachie, is that correct?

24 000 326
25

1 DONNACHIE: This is true. Let me make a comment. When I refer to
2 training in my own knowledge is what I understand some of it. They
3 could have you know said this is a SAM II and this is what it looks
4 like but that doesn't mean anything to me until I find out how to
5 operate it, so if they want to call that training they have it documented
6 and they say they gave it to us but maybe they just covered their
7 butts but it doesn't really mean anything because I didn't understand
8 it. Now I do and it only took a few 10-15 minutes to show it.

9
10 DONALDSON: Just a final comment. We'd ask that you not discuss the
11 text of our discussions with you until we've had a chance to talk to
12 some other people involved, we don't want to color their testimony
13 with anything you may discuss.

14
15 DONNACHIE: Okay.

16
17 HEILMAN: Okay.

18
19 RESNER: The last response was Mr. Heilman's and this concludes the
20 interview of Mr. Heilman and Mr. Donnachie and the time now is 4:31.

21
22
23 000 327
24
25