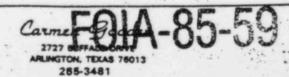
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1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
3	TECHNICAL REVIEW TEAM
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7	TECHNICAL INTERVIEW
8	그림 이 사람들이 모으는 그렇게 된 경찰 점심을 잘 살았다. 그는 이 나를 빼앗기?
9	Monday, September 17, 1984 Granbury, Texas
10	
11	This interview was commenced at 8:00 p.m.
12	
13	PRESENT:
14	MS. R. C. TANG Technical Review Team Staff
15	Muclear Regulatory Commission Washington, D. C. 20555
16	MR. THOMAS CURRY
17	Technical Reviewer
	Comanche Peak Technical Review Team
18	MR. HERB LIVERMORE
19	Technical Review Team Staff Nuclear Regulatory Commission
20	WITNESS "Y"
21	
22	
23	
	DO NOT DISCLOSE
24	
	그리는 이 아니다가 그리는 그리고 아무지 않는데 그는 그들은 사람들은 그리는 그리고 있다면 하다.

MS. TANG: For the record, this is an interview of Witness "Y" at Granbury, Texas. The purpose is to provide Witness "Y" an opportunity to make some statements regarding the fuel transfer canal at Comanche Peak. Present at this interview are Mr. Tom Curry, a Technical Reviewer of the NRC's Comanche Peak Technical Review Team; myself, R. C. Tang, also with the NRC; and Mr. Herb Livermore, Group Leader—QA-QC Group Leader, Technical Review Team.

You tell us what you want to say, then we'll ask you questions later, as you go along. This will be locked in our safe, sanitized before anybody gets a page. For instance, Tom, when he goes on to review, he'll get a sanitized page.

WITNESS "Y":

I was informed that the stainless steel liner in the transfer canal would start to be reworked. It had been quite inactive for some time, and the Brown and Root quality control organization had been responsible for it previous to that. I began to staff up and picked up the travelers, the information on the stainless steel liner at that time to review it. I found many missing hold points. I was quite concerned. I went to my supervisor, expressed my concerns to him, asked him if he could get up with the Brown and Root organization.

Now, you thoroughly understand at that time we had what you call the Brown and Root QA-QC organization which is the ASME organization. You have the TUGCO non-ASME QA-QC organization which does all inspections for non-ASME items, items such as AWS, IEEE, whatever standards are involved.

Again, as I informed my supervisor, we had many missing hold points from what I could see in documentation. He said he'd get up with who was the Brown and Root supervisor, and see what we could do. I was contacted a few days later, and a gentleman by the name of came on to the night shift to assist me to see what he could do to clear up these items. He basically asked me what I felt he ought to do to clear it up. I said, "Take care of the hold points that are missing that you can; what you can't, let's identify it on a non-conformance and get Engineering evaluation, Quality Engineering concurrence and we can move on with this thing."

He provided a review cycle and basically--I understand somewhere in this review cycle where he was getting-trying to clear up points; we had some allegations that
were made at that point, but I won't address that because
I really don't have any information that I can give you on
that.

I understand that during testimony given by



Prior to the interview, witness of indicates that he would not talk unless he could be assured of confidentiality. I talk him that we would have a confidentiality agreement executed at a later date.

6) although "witness 4" was used instead of his name a whenever he spoke (in the transcript), the individual mentioned his own rame frequently during the conversation.

The transaign should not be released to the parties to the hearing unless the TRT has an obtained germission from Witness Y.

RC Tang TRT Staff

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tions	they	kept	referrir	g to t	he fac	t th	at all	this	was	
basica	ally	i	dea and	we wer	e only	, doi	ng wha	t he to	old us	
to do;	that	's in	correct.	They	acted	on	their	own on	anythi	ng
that t	hey p	erfor	med.							1

a-half or so to review, to get through with this review cycle on the travelers and try to clear up what he could.

I was informed that he had cleared it up, and I was delivered boxes of travelers, little blue folders, travelers.

I took a look at it again. I really wasn't satisfied with what I had seen, and I issued a non-conformance report, which I have a copy of here. You'll find that that's co-authored by a gentleman on the day shift by the name of the sequence of events here started approximately the 1st of March, and you'll notice the date on that non-conformance is around the 17th of March. I basically issued it, said I'd performed a random review of travelers that I had, and I felt that there was missing hold points. What I was doing was identifying a problem for Engineering evaluation and Quality Engineering concurrence on what they decided to do with it.

I understand in the hearings that Judge Bloch could not understand why it took 17 days after the first

initial discovery that we're missing hold points for someone to issue a non-conformance report, because that's the sequence of events; it took that long to get back to my supervision so I could take a look at it. Like I said, I wasn't really satisfied with it, so I issued a non-conformance report. You'll notice that there's been hold tags applied, so basically we were shut down. We were performing no work at any point in time here. In this sequence of events we performed no work on the night shift. No supervisors under my supervision performed any inspections on any part of the stainless steel liner in the transfer canal, fuel canal, any part of it.

MR. LIVERMORE: During this hold time, they had all the paperwork, had all the paperwork?

WITNESS "Y": had all the paperwork.

is basically right-hand man. He's a

I'm sure you've run across him out there.

It took them from about the 1st of March, first part of March, up until about the 15th or so, and then for me to look at it about the 17th before I could issue the non-conformance report.

I understand that also in the hearings that it was stated that, "You know, there's really no problem with this; this; could accept that; he directed us as to what we should have done." Well, that's

anybody. Works for Brown and Root. He does his own thing. I made suggestions to him that he clear up his hold points and what he couldn't, issue a non-conformance on it.

MS. TANG: Do you know if that's the first time your name was mentioned?

WITNESS "Y": I've been told that the NRC, because of these allegations on this same thing, has investigated and had testimony and depositions given out there. I never could understand why I wasn't contacted when people kept using my name in those depositions, making statements, "Well,

I never did know that I gave or anybody else any directions.

We sat inactive for a couple--another week,
basically because we had a hold tag on them. I wouldn't
proceed until I got some kind of direction from Engineering.
After much persistence--these are copies, by the way--from
crafts, I wrote a memo to a who is the
non-ASME Level Three Quality Engineer responsible. You'll
see his name on the bottom of that NCR,
I basically said this: would you please leave me
some information on the status of the stainless steel liner
seam welds. The craft is holding off working same until

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seam weld travelers are cleared and are released. I'm still the hold at 3-25-83. It's dated You can read answer to me. MR. LIVERMORE: I checked with MS. TANG: Do you want to read it for us because you would know--WITNESS "Y": the he's saying. That's all we knew him by. MS. TANG: Do you want to just read this, and then the reply? "--again referring to WITNESS "Y": - would you please leave me some information on the status of the stainless steel liner seam weld. Craft is holding off working same" -- basically they were holding off because I wouldn't let them proceed -- "until seam weld travelers are cleared and are released." What I'm talking about "cleared and released" is I basically had a hold on them for non-conformance. Reply: I checked with and he writes down here and that's basically who's responsible for the work on the liners, the millwright -- "and " -- he's, I believe, a

and he's got down behind him Quality Engineer for the ASME group in parentheses behind him, giving his title-- "and they said that a review was

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performed of all travelers, that they had started work on them, "--that's basically Brown and Root and that's all we're interested in--"and the ones listed on the NCR"--which you'll see on page 2, that's my handwriting on page 2 where I just took a random and said, "Hey, here's a bunch of them"; why I did that and why I said random is I think I established a trend with that many; as you can see on page 2 I established a trend that we did have some problems.

MS. TANG: I want to mention a number. Identify the NCR for the record.

MS. TANG: This is the revision.

WITNESS "Y": No, ma'am, that's the original.

MS. TANG: A copy of the original.

WITNESS "Y": The NCR as you would read it is Rev 1 now and would say--the word "random" would be removed and it would say "a review has been performed."

MS. TANG: And the date of the note?

WITNESS "Y": His answer is dated 3--it looks like it's

3-25-83 also. You got to remember I wrote this at maybe

3 or 4:00 in the morning, and he answered me back the same

day. You'll notice the initials match the initials

that put down next to the closure there on the

Do they appear to be the same?

MR. LIVERMORE: Yes, the initials appear to be the same on the NCR as the note.

WITNESS "Y": My basic concern was that possibly something was misdirected. Mr. Block didn't understand the delay of so many days. Now I'm going to tell you the rest of the story.

and I and the had a heated discussion on the fact that he would revise an NCR of mine without my knowledge.

Two days later the stainless steel liner program was removed from the night shift, much to my--I felt real happy about that. I was put directly under the supervision of who was the at that time, and continued under his direct supervision until he was removed from his position.

MR. LIVERMORE: Prior to that, what was your chain of command? Weren't you under anyway but on a--

WITNESS "Y": Yes, but I was on the night shift,
basically as the night shift supervisor reporting back to
and I felt quite relieved of the fact that the liner

WITNESS "Y": I went to day shift as a Conduit Support Supervisor; 120 days after that I was removed from that supervisory position. I am presently a

was going back to the day shift. I had no Quality Engi-

MR. LIVERMORE: So sequence of events after this note, you say then you talked with--who was this fellow that wrote the note here?

WITNESS "Y":

MR. LIVERMORE: and you had a heated discussion with about his changing your NCR. And shortly after that then, you were relieved of your job

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WITNESS "Y": Within 90 days, yes. That was about

MR. LIVERMORE: Did they give you a reason why?

WITNESS "Y": I don't want to put the connotation that
it would have anything to do with this, no. Basically I'd
been on it for two years. You've got to remember also that
I was involved in protective coatings all through that
situation, through the NPC investigation where they found—
when they had the fine against the Utility for intimidation.
That was strictly done on day shift. I was told by the
NRC basically that my conduct, based on the inspectors that
worked under my supervision at that time, was exemplary,
professional and carried out with integrity. I never was
actually involved in that.

MR. LIVERMORE: I guess really what I was trying to see was if you felt there was a link--

WITNESS "Y": No, I would not. I would not give that, no, sir.

MR. LIVERMORE: All right. I had the feeling you were implying that, but I wanted to ask you direct. So it had no link with your argument with

WITNESS "Y": No, sir. I wouldn't make that assumption.

MR. CURRY: Let's see if we can clear up a few of the steps that you mentioned here. First you mentioned that the first time you saw the travelers they had many missing

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hold points --

WITNESS "Y": Numerous.

MR. CURRY: Numerous; okay. Then was apparently instructed to try to complete them, whatever. Did you see them again after that? Did you see them later on?

WITNESS "Y": After he finished, he basically come up and told me it was bogging down, you know, getting them cleared up. I went up, asked him what the problem was, and he said, "Well, they're working on them." He said he didn't think he'd get them done this week, it would probably be the next week, and then all of a sudden, within that Friday evening, he basically told me it looked like they were going to have them all done.

MR. CURRY: Did you get a chance to look at them after that?

WITNESS "Y": No, it was a few days later, three or four or five days later before I got a chance to sit down and look at them again; get them all back, get them together --

MR. CURRY: When you looked at them, had the missing hold points been filled in?

WITNESS "Y": Some of them had; some of them had not; that's why I issued the NCR; still missing hold points, fit-ups had been missed, cleanliness checks left out. I just wasn't thoroughly satisfied with the documentation, so

I	thought	I'd	let	Engineering	take	a	look	at	them,	and
ľ	inal in	Auge 1	11.2							
is	sued a	non-c	confo	ormance.						

MR. CURRY: You don't remember what date that was when he basically had finished them and gave you a chance to see them, do you?

WITNESS "Y": No, I can't. It had to be three or four or five days prior to the issuance of that NCR.

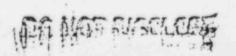
MR. CURRY: That would be about or thereabouts?

WITNESS "Y": I can't remember the exact date that it started, when they started—when they gave them to me and when the sequence of events was going—I really can't get a handle on when it exactly started.

MR. CURRY: Were you aware of what process they used to sign off some of the hold points that had been filled in by the time you got the chance to look at them a second time?

WITNESS "Y": No. I could give you an idea what they used, but I didn't actually see what they were using.

There were some chips involved, what they call fit-up chips, or whatever, that I felt at the time were, when I first looked at them, due to either lack of training or something by the inspectors, were rather sketchy sometimes on how they were made out, how the chips were made out. I didn't feel real comfortable with them. How they arrived at what



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between he had a couple of inspectors up there working on them with him and a supervisor that was working on them. I sent an inspector up regularly to check their progress—his name is —I sent him up there to see how they were doing, what was going on, whatever else. At this point in time, I think I ought to tell you that I went in to today, had a meeting with him at approximately 10:00 this morning, and told him the exact—what I just told you. I told him the sequence of events here. I had an obligation to inform the Utility about the sequence of events.

MR. LIVERMORE: What reaction did he give you?

WITNESS "Y": He was concerned. I think he understood
a lot of it.

MR. LIVERMORE: Excuse me?

WITNESS "Y": I think he understood what I was telling him. He asked me if I had a problem with the disposition of the NCR, and I told him no, I did not. The fact that they were going to do an LP of a vacuum box test, that's Engineering's prerogative to say, "This is what we're going to do, and we're going to accept it based on that." I'm only a Quality Control Inspector. I report; I don't get to engineer. Whenever Engineering comes back with the disposition, especially based on NDE methods, it's--

1	MS. TANG: What were his remarks on the revision to
2	NCR?
3	WITNESS "Y": What were his remarks?
4	MS. TANG: Or comments, anything.
5	WITNESS "Y": He basically went withI showed him this
6	note and he basically went with that and said it appears
7	that they did review all of the travelers, so therefore a
8	full review was done and so therefore I don't understand
9	how could do a review after of the
10	NCR. was basing his judgment on the review prior
11	to the issuance of the NCR. That's an assumption on my part
12	MR. CURRY: This says Unit Two, so I would assume from
13	this they reviewed all the travelers for Unit Two.
14	WITNESS "Y": Which is transfer canal, whatever else,
15	stainless steel liner
16	MR. CURRY: How would you interpret this where it
17	says "acceptability of weld shall be based on vacuum box
18	and hydrostatic tests"? That is intended to mean the
19	vacuum box tests that were already done. They're not going
20	to do additional tests is what I'm saying.
21	WITNESS "Y": It must be. That would have to be up to
22	Engineering.
23	MR. CURRY: Of course, the hydrostatic test is when
24	the thing is finished.
25	WITNESS "Y": I think that's a misnomer. I don't know

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1	how you hydrostatic test
2	MR. CURRY: It's a leak test; it's not a hydrostatic
3	test.
4	WITNESS "Y": I was hoping somebody would pick up on
5	that.
6	MR. LIVERMORE: Now, the NCR is dated disposition
7	and this note is dispositioned, signed two
8	days later.
9	MR. CURRY: Can we have this?.
10	WITNESS "Y": I'd rather you didn't. I think you can
11	get your own copy out there if you want it.
12	MR. LIVERMORE: I think it's necessary that we have a
13	copy of this.
14	MS. TANG: Can we do that? What we can do is on the
15	way out we can make a copy and give it back to you.
16	WITNESS "Y": I can't give you a copy of it.
17	MR. CURRY: Of course, the words are on the record.
18	WITNESS "Y": I'm not making any allegations. I think
19	the panel, the review panel, everybody else clearly under-
20	stands that we had a problem. I think we identified our
21	problem and tried to handle it the best way we could.
22	MR. LIVERMORE: Let me ask you this: Why did you
23	object to that word "random" being taken out? Context,
24	really, or just the idea that someone changed your on-site

NCR without talking to you about it?

WITNESS "Y": To me, that's a totally unacceptable thing. Quality Engineers goes from the inspector's report on non-conformance down, and the non-conforming item belongs to the inspectors and his supervisor which is above, which is what we signed for. Also, I did not perform a review.

MR. CURRY: I think that's the intent of it. This says random review, implying that you picked out some of them and this is what you found; but it also means that if you looked at all of them you'd probably find more. By changing it, they've said a review and that implies, "Mey, this is all there is."

MR. LIVERMORE: That's what you object to?

WITNESS "Y": Yeah. I also object to the fact that

Quality Engineers would--I don't know what Rev One says;

I don't know if it's got my name on it or what. I authored

Rev Zero and I said a random review, and that's exactly what

I did.

MR. LIVERMORE: So you're objecting to both aspects of it, really.

MS. TANG: No, two issues actually.

MR. LIVERMORE: The fact that they revised it without conferring with you and the other aspect that they took the word "random" out, therefore implying what you looked at was the whole works.

WITNESS "Y": (Nods affirmatively) And you can clearly

see by the notes that I didn't review. The review was done by the Brown and Root QC, not me; not at any point in time other than the random review, just a cursory look at it to see what our problem was and give it back to them for them to do the review. I did a cursory review to begin with and went back to them for their review so they could clear up their item. It came back to me again, and I did a cursory review and issued the NCR.

MR. CURRY: Do you want to look at them anymore?

MR. LIVERMORE: No, that's fine. We can get copies
of the NCR's.

WITNESS "Y": I'm going to tell you right now that I served a five-year apprenticeship as a steamfitter, and you're going to say to yourself, "Well, what the hell difference does that make?" Basically, I was taught crafts-manship and the pursuit of excellence was a goal, and mediocrity was unacceptable. Unfortunately, I still have that attitude. I will make this statement: I don't believe that's appreciated in the commercial nuclear industry. As Mr. Curry can testify working for excellence was a standard, not something to be attained. It was the standard, and it was maintained.

MR. LIVERMORE: How long have you been with Comanche Peak?

WITNESS "Y": Approximately three years. Well, overall

and I were

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1 period of time, I came to work in 2 I worked here for approximately six months. I was right 3 in the middle of the 4 inspecting together on his problem. I terminated and went 5 to work for the 6 Then I worked there for approximately three to four months, five months, termi-8 nated, and was rehired back here by BASCO, returned here in 9 I've been steadily employed since 10 You can take all the names out of this you want, 11 but anybody that reads this is going to know exactly who 12 this is. 13 MS. TANG: We not only take out names but also titles, 14 where you work, anything that could possibly trace back to 15 you. WITNESS "Y": I'm not sitting here making allegations. 16 I'm only here trying to give sequence of events, so I don't 17 feel that I'm--well, this is the first time I really sat 18 down and have done anything like this in my entire life; but 19 I feel the sequence of events needs to be understood so 20 misunderstandings or misdirections are not made in the 21 hearings. 22 MR. LIVERMORE: You said that Judge Bloch called you --23

a telephone call?

WITNESS "Y": I received a phone call from Judge Bloch

WITNESS "Y": Right.

1 from Washington, D. C. He identified himself as Judge Bloch, 2 MS. TANG: What did you tell him? What did you two 3 discuss? 4 WITNESS "Y": He asked me if I had any information on 5 the stainless steel liner. I said, "Not necessarily, but 6 I think I can give you a sequence of events that might help 7 you understand something a little bit better." He told me 8 that he was going to have somebody contact me so I could 9 give them sequence of events. 10 MS. TANG: Because over the phone you didn't know 11 whether he was the person--so that's why he contacted us 12 to talk to you. 13 WITNESS "Y": He could have been Joe-Blow for all I 14 know. That's why I wouldn't talk to you until I saw some-15 body's badge. 16 MR. LIVERMORE: Do you have -- in regard to the stainless 17 liners up there, we're talking Unit Two here. Do you have 18 any information on Unit One and the transfer canal at all? 19 WITNESS "Y": No, sir. That work was performed entirely 20 by Brown and Root so-called ASME Group. I had no involvement or even any real knowledge of it. 21 22 MR. LIVERMORE: And your only involvement was Unit Two 23 later on when all of a sudden they said, "Hey, we're going to get back to work on Containment Two, Unit Two. 24

MR. LIVERMOPE: At that time you were with the ASME --

DO NOT DISCLOSE

MS. TANG: That will conclude the interview.

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PENGAD CO., BATONNE, N.J. 87842 108M 404

INTERVIEW FORMAT - FEEDBACK INTERVIEWS

1. Cover Page

- Interview of

Date: 1/1/4/84

Time: 7:00 DM

Location: RM 225

Parties present . . JIM MALOSSON , LIVER MORE CHERYL WALKER

Proceedings

(on the record)

"For the record, this is an interview of ____ for the purpose of providing feedback regarding Technical Review Team assessment of certain concerns raised about the Comanche Peak facility.

BY , bU IN TECH. INTERVIEW

E.C. TANG GEIFFIN HALONSOK

"The location of this interview is

"Present at this interview are (names/organizations)"

"As agreed, this interview is being transcribed.

Describe mission of TRT

"I wish to clarify details of your employment at Comanche Peak" (Obtain details of employment/qualifications), in the reversely obtained

"We spoke with you on ... and have reviewed your statement(s) of . .

Turn over to Technical Reviewer . .

FOIA-85-59

3. Conclusion of Proceedings

"The results of our evaluation will be published in a SSER which will be available about January 1, 1985"

"Where appropriate we will require corrective action by TUGCO."

"Do you have anything further you would like to add for the record?

-"Have we adequately covered your concerns?

"Do you have additional concerns?"

"Have you given this statement to us today freely and voluntarily?"

. . . off the record

4. Administrative Guidance

"Ask if individual wants copy of transcript. Advise them that transcript will be part of public record (except for confidential sources, or if they request confidentiality).

5. Guidance

Limit to topic of interest

Ask:

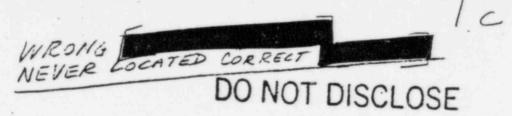
Is this a new issue? Have you provided this to NRC? Did you do it? Did you see it?

Seek: names, dates, locations, documents.

- o Be courteous and considerate
- o- Be sure individual appreciates the importance of his concern(s) and the staff/technical effort expended to review and evaluate.
- Be sure individual understands we will require corrective action and that we are dedicated to safety.

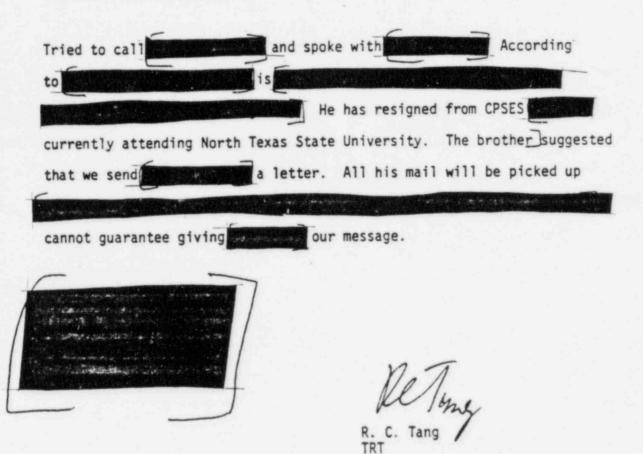
When presenting negative findings (i.e., when allegations are found to be of no merit), do not tell individuals that they are "wrong", ask is the TRT has possibly missed his points

it up full



Telephone Conversation Record:

10/25/84



DO NOT DISCLOSE

FOIA-85-50