INTERVIEW OF:

TOM BAILEY

TAKEN NOVEMBER 18, 1997 AT 2:45 P.M.

MILO BALLINGRUD
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INTERVIEW OF TOM BAILEY, taken pursuant to agreement of and between parties at, Koch Industries, Inc., P.O. Box 64596, St. Paul, Minnesota, at approximately 2:45 p.m. on Tuesday, November 18, 1997 before Milo Ballingrud, Notary Public, County of Hennepin, State of Minnesota.

APPEARANCES:

Present from the Minnesota Pollution Control Agency: DON L. KRIENS, P.E.

MARY L. HAYES

GREGORY BERGER

Present from Koch Industries:

JAMES K. VOYLES, Attorney at Law

Present from the law firm Green Espel: SUSAN K. WIENS, Attorney at Law

INDEX

EXAMINATIONS:

BY MR. KRIENS: page 24

BY MR. BERGER: page 4, 17

KOCH JOB HISTORY: page 5

SIGNING MANIFESTS: page 6

OILY WATER INTO NOWS: page 18

HYDRANT FLUSHING: page 24

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Α.

explained to me.

Q. Tom, I want to read an introduction part we are doing for all the personnel we're talking to.

As you are aware, the Minnesota Pollution Control Agency is conducting a civil investigation that is focusing on Koch Refinery operations and on pollution, environmental related issues that surfaced from an April of '97 inspection that the PCA had out here. We are seeking your cooperation at this time in obtaining some information through this interview. We want you to know that this interview is totally voluntary on your part, you are not required or obligated to answer these guestions if you don't want to.

The information we obtain in this investigation may be used in an administrative, civil or criminal enforcement action against Koch Refining Company. This investigation at this time is not focusing in on any individual at Koch Refinery at this time. Do you understand that or do you have any questions about that information?

No, I understand. It's previously been

- 1 Q. Okay. Tom, would you please state your name and
- 2 then give us a history, a brief history, of your
- 3 work here at Koch? And be pretty specific with
- 4 your last position, your current position.
- 5 A. Okay. My name is Thomas Bailey, B-a-i-l-e-y.
- 6 Sometimes they leave off the E. I started at
- 7 Koch in May of 1990. I spent less than a year
- 8 in the loading department.
- 9 Q. Loading?
- 10 A. Yeah. That was with barges and the railroad.
- 11 Q. Was that done at the barge dock?
- 12 A. Right, barge dock and the rail rack. That was
- 13 loading petroleum products and also the rail was
- 14 sulfur and other products. I think it was --
- well, within a year I was transferred to waste
- 16 water. Currently I'm the number one operator in
- 17 waste water.
- 18 Q. Okay. There are a couple issues I want to talk
- to you about today, Tom, and one of them has to
- 20 do with Koch Refining receiving materials,
- product, maybe waste, I'm not sure, whatever,
- from off site. I mean from outside the Koch
- Refinery here from other sites in St. Paul or
- 24 wherever.
- 25 A. Okay.

- Q. I have a waste water treatment plant daily audit
- 2 log from 9/8/95, there's no number on it.
- 3 A. There should be a date.
- Q. Yeah, 9/8/95. Your initials are on this log, I
- 5 believe as the number two operator. I'm not
- 6 sure.
- 7 A. It could have been at that time.
- 8 Q. Okay. The first three sentences of the log
- g state environmental contacted us to sign
- 10 manifest for pipeline truck to unload high
- benzene material to tank 63. Upon arriving to
- show driver how to unload there was a noticeable
- 13 H2S odor. That last sentence isn't all that
- important, but the first one is the one I'm
- interested in (indicating). Is that your
- writing? Is that you on the log there, your
- 17 initials?
- 18 A. That's -- no. My writing is down here
- 19 (indicating). That's actually Dave Gardner when
- we were working together, '95. That's Dave's
- 21 writing.
- 22 Q. I see. Okay.
- 23 A. And Dave was actually -- I don't know if you're
- 24 familiar with how we operate, but he was
- covering the outside and I was covering the

1		inside.
2	Q.	I see. Okay. Do you know specifically what
3		that's about, signing a manifest with high
4		benzene material? Do you know
5	A.	Specifically, you know, we receive a lot of
6		transports of different product. The
7		information there would have been passed on from
8		either the shift supervisors or whoever had
9		knowledge that the truck would be coming to us.
10	•	They would indicate what type of material we
11		probably would be receiving. That's usually how
12		it
13	Q.	You would get that from the shift supervisor?
14	Α.	I would say, or someone possibly in
15		environmental. We would they wouldn't call
16		us direct, whoever is shipping the product
17		wouldn't call us direct, the information would
18		get to us by someone in management.
19	Q.	Who would receive the information initially?
20	A.	Right, right.
21	Q.	You mentioned you received a number of products,
22		and can you give me a little more information
23		about that and what type of things you have
24		received that you are aware of?
25	A.	We received transported we receive trans-mix,

- that's a common.
- 2 Q. Trans-mix?
- 3 A. Yeah. That's from the pipeline where they
- 4 switch products. They have a slop tank from --
- 5 I think Griffon is one of the ones we
- 6 occasionally received not too long ago. It's a
- 7 mixture of product shipped through the pipeline.
- 8 Could be a mixture of gasoline, fuel oil, you
- 9 know, and so forth.
- 10 Q. That comes in tanker trucks?
- 11 A. Comes in tanker trucks and we receive it through
- 12 to tank 63.
- 13 Q. Which is a slop tank?
- 14 A. It's a slop tank, yes.
- 15 Q. Besides trans-mix, are there any other materials
- that you are aware of in your work that comes in
- 17 from off site?
- 18 A. Outside of the plant?
- 19 Q. Right. I'm not talking about inside movement of
- 20 materials from one end to another, I'm talking
- about outside, a truck would have to come down
- 22 the highway to get --
- 23 A. Occasionally there's spills that -- pipeline
- 24 spills, cleanup spills.
- 25 Q. Okay. And this material is liquid from a spill?

- 1 A. Right, water, gasoline and so forth.
- 2 Q. Water or gasoline?
- 3 A. Right, or a combination of them.
- Q. Anything else that you're aware of, Tom?
- 5 A. Possibly some heavy oils. I know occasionally
- there's some tank cleaning outside. Well, in
- 7 the past there was the old Koch terminal, the
- 8 NSP terminal, I think they received some tank
- g cleaning. There's, you know, water and oil and
- 10 sludge and so forth.
- 11 Q. Did that include sludge? Are you specifically
- 12 aware of sludge coming on site, too?
- 13 A. Well, whatever was in the bottom of the tank.
- 14 Q. And that's sucked out?
- 15 A. Yeah. Whatever accumulates in the bottom of the
- tank from the cleaning is usually referred to as
- 17 a sludge. It's sort of a general term.
- 18 Q. Okay. So that's includes water?
- 19 A. Water, detergents, whatever we use to clean the
- 20 tank.
- 21 Q. Hydrocarbons in there somewhat?
- 22 A. Right.
- Q. Okay. And again, what they're talking about
- here, this high benzene material, you're not
- sure what they're talking about here, you're not

- 1 aware of it?
- 2 A. Other than, like I say, we would have been
- informed what the makeup of the product was.
- 4 It's not our responsibility to determine what
- 5 the makeup is. The lab, if they wanted a test
- 6 run in the lab they would probably do a test on
- 7 some product.
- 8 Q. You said if shifties tell you that, and who --
- 9 do you know who specifically would be a shiftie
- that would tell you that type of information?
- 11 A. Whoever is on duty at the time. I mean, it
- was -- I couldn't even venture to tell you who
- 13 it was that day, you would have to look back in
- 14 the log.
- 15 Q. How about just in general?
- 16 A. There's different ones different times.
- 17 Q. How about some names of the shifties that would
- be in that position to tell you that
- 19 information?
- 20 A. Now or in 1995?
- 21 Q. Both.
- 22 A. Gary Anderson maybe.
- 23 Q. Gary Anderson?
- 24 A. Could have been. Rick Legvold was -- well, wait
- a minute. '95, no, Rick was still at the unit.

It would have been Larry Klemetson, the 1 supervisor at the time. Also that information 2 possibly could come from the unit supervisor. 3 Okay. How about currently? Q. 4 Currently, well, Gary is still current. Α. 5 Actually Dave is -- well, I don't know, he's in 6 transition now. 7 Dave Gardner? 8 0. Dave Gardner. Mike Bishel. I'm thinking more 9 Α. of the people that would work during my crew 10 because we rotate crew. 11 Sure. That's what I want to know about. 12 0. Larry Klemetson would possibly be another one. 13 A. Okay. I have a memo here from March 1, 1996. Q. 14 It's from Heather Faragher to Eric Askeland, 15 that's the only two people involved, you are not 16 on this. The subject of the memo is hazardous 17 waste stuff, and number four item on the memo 18 reads as follows: What is the operator's 19 liability/responsibility concerning the signing 20 of hazardous waste manifests? The ones from 21 Otto Avenue were from state of Minnesota? This 22 brought up specific questions from operators 23 with regard to signing these forms and their 24 liability (indicating). 25

- 1 A. (Views document) I don't recall this.
- 2 Q. My question is --
- 3 A. As far as liability, I think that is -- this
- 4 specific one here I don't recall, but as far as
- 5 liability, I think that point has been brought
- 6 up, you know, because we do sign and receive
- 7 what's shipped. Some operators have questioned,
- 8 you know, what kind of liability do we have.
- 9 Q. The operators receive and sign hazardous waste
- manifests, is that what you're saying?
- 11 A. Right.
- 12 Q. How do you know they're hazardous waste
- manifests?
- 14 A. It's indicated on the manifest, the waste
- manifest. It says what it is.
- 16 Q. It says hazardous waste?
- 17 A. It would say -- well, let me see. I'm not sure
- on that, if that would be -- I'm just thinking
- of manifests in general. Anything that's sent
- to the waste water plant we would sign for, you
- 21 know, unless obviously there were questions for
- 22 some reason or we questioned it and thought
- there was a problem with it. Usually we accept
- 24 it. And what we're doing is we're acknowledging
- 25 we received it.

- 1 Q. Right.
- 2 A. I think I indicated we're not necessarily in the
- position to determine what it is and how it's --
- we somewhat can determine how it's supposed to
- 5 be handled, but we're also responsible for
- 6 determining that the truck driver puts it in the
- 7 right place and handles it safely. I think
- 8 that's sort of where our responsibility lies.
- Whether it's classified as hazardous
- waste I think -- no, in thinking back. The kind
- of products that we're receiving, that would go
- into tank 63 for example. Or if it's not a
- 13 flammable material or combustible, it's
- 14 basically water, then we can determine some
- other location for it.
- 16 Q. All right.
- 17 A. So back to your answer, in thinking about it,
- no, we wouldn't sign for any hazardous waste,
- that would be the environmental department's
- 20 responsibility.
- Q. Well, in general then, not specific to you, but
- 22 do you know of that happening then, hazardous
- waste manifest loads coming in to Koch Refining
- from off site, from outside this facility, that
- 25 hazardous waste manifests were with that load

- and that somebody took that manifest and signed
- it or went to environmental? Do you know of
- 3 that situation? Not personally but in general?
- 4 A. I do not know.
- 5 Q. Okay.
- 6 A. And I think if you look at our manifest, and I
- 7 don't have an example of it, everything on there
- 8 that we sign for has certain classifications and
- 9 is identified. We usually check that, but
- 10 anything that's has hazardous would be the
- environmental group, they would handle that.
- 12 Q. I'm not talking about your internal manifest
- 13 system now. I know you do have one for that.
- 14 A. No, I'm talking about something else, right.
- Q. So in regards to the first part of this number
- four here, what is the operator's liability,
- 17 responsibility concerning the signing of
- 18 hazardous waste manifests, you don't know what
- 19 that's about then?
- 20 A. No. And one thought is sometimes they refer to
- that manifest as a waste manifest in general,
- and I'm wondering if that might be a reference
- to the internal, the waste manifest.
- 24 Q. Right.
- 25 A. I think that could be a misinterpretation. I

1		don't know of anyone signing.
2	Q.	Okay. It states the ones from Otto Avenue. Do
3		you know where they mean Otto Avenue? Do you
4		know where they're talking about? Have you ever
5		heard Otto Avenue mentioned before?
6	A.	Maybe a tank farm, but I'm not sure.
7	Q.	Here on site?
8	A.	No, it would be off site. I'm not sure if
9		they're referring to the same one. There's
10		different tank farms around.
11	Q.	Okay. The last document I have regarding this
12		issue is again from Heather Faragher, and I'm
13		I'll see if I can see your name on here, Tom.
14		It's to a number of people. Yes, Tom Bailey,
15	•	you were CC'ed on this or it was sent to you.
16		The subject of this memo is hazardous
17		waste issues and it's dated Tuesday, March 26,
18		1996. The memo starts out from Heather, there
19		were some questions concerning hazardous waste
20		issues at the waste water treatment plant during
21		class number three. Eric Askeland has put
22		together a summary of the items that concern us
23		at the waste water treatment plant. This
24		summary is attached. And then the attached
25		summary reads helpful hints for the hazardous

waste plant regarding hazardous waste issues. 1 And it has about eight, nine issues here. 2 sixth issue is titled manifest and there's three 3 parts to it, A, B and C. A reads the operators 4 should not experience a significant amount of 5 liability from signing hazardous waste manifests 6 if one, Koch is able to take the waste, two, 7 Koch manages the waste properly upon acceptance. 8 B states the operators should make sure 9 that the environmental department is aware of 10 any waste coming to the waste water treatment 11 plant that is on a manifest other than a KRC-PD 12 13 internal waste manifest. The operator should not accept any off site waste without prior 14 15 approval from the environmental department. then C is about training. It states the 16 operators should receive training on manifesting 17 if they have not already received such training. 18 Are you aware of that document (indicating)? 19 I'm aware of that, yes. 20 A. Do you know why that issue was discussed about 21 Q. manifests? Is manifested waste coming into 22 Koch? I mean, do you know what that's about? 23 I think it was a question that came up. 24 A.

said, I'm not aware of any -- anything that any

25

1		operators sign or receive. But I know this
2		question did come up.
3		(Discussion off the record.)
4	ву м	R. BERGER:
5	Q.	Tom, we were talking about the attachment to the
,6		memo of Heather's about manifests. You don't
7		know if this was a specific was a response to
8		a specific situation?
9	A.	No. I think it was in my opinion I think it
10		was a question that came up, you know, if we
11		did. You know, we were receiving a lot of
12		different products, sometimes you don't really
13		know.
14	Q.	Do you know what a hazardous waste manifest
15	•	looks like? Have you ever seen one? If there
16		was a shipping paper and hazardous waste
17		manifest here and some other shipping document,
18		would you know the difference? Have you ever
19		seen one? Has it ever been pointed out to you?
20	A.	Yeah, I think we have there was a copy, I
21		think, to the attachment there (indicating).
22	Q.	Oh, to this?
23	A.	Yeah, I think there was one. As far as
24		remembering, I really haven't it's been such
>5		a long time since I really looked at one I

- wouldn't -- I can't say that I really would. I
- 2 mean, without -- if I saw the information on
- 3 there I probably would, obviously, say yeah.
- 4 Q. After reading it?
- 5 A. Yeah. Because basically we deal with the
- 6 standard manifest.
- 7 Q. The internal?
- 8 A. Internal.
- 9 Q. Okay. Another issue I want to talk about is the
- oily water sewer and non-oily water sewer. This
- is a log from April 21, 1996. It's number 330.
- The operators here are Stevens and Aalto.
- 13 Under the comments section there's two
- 14 sentences here I'm interested in. The first one
- reads caustic, just that word, and then it says
- 16 dash tank 304 to B5. Poly dumping 500 gallons
- 17 per minute to NOWS. Further down it states poly
- units done with tank dump, now sending H20 from
- 19 tank (indicating).
- A. Uh-huh.
- 21 Q. Can you tell me what your interpretation is
- 22 there of what's going on?
- 23 A. I would say the poly unit, either they had a
- 24 problem and -- and had to dump the tank. That
- 25 could be a possibility.

- Q. And they dumped it where?
- 2 A. To the oily water sewer.
- 3 Q. To the oily water sewer?
- 4 A. Yeah.
- 5 Q. How come it says NOWS then? Isn't that the
- 6 non-oily water sewer?
- 7 A. Oh, okay, in this case, yeah. Okay, I'm seeing
- 8 the one here. Well, if they had a leak usually,
- 9 and if it was located close to a NOW sewer
- 10 that's how it would happen I would say. I don't
- have firsthand knowledge of this, but that's
- 12 usually what would happen.
- Q. But that memo doesn't discuss@a leak, does it?
- 14 A. It doesn't. I would assume that's accurate,
- what they wrote. Whatever reason, I don't know,
- they could have had a problem, that's usually
- 17 the situation.
- 18 Q. Do you know what tank 304 is by any chance, what
- 19 it's used for?
- 20 A. I don't recall tank 304.
- Q. Okay. Any questions you want to ask on that,
- 22 Don?
- MR. KRIENS: No.
- 24 BY MR. BERGER:
- 25 Q. In general, with regards to the oily water sewer

- system, what is your knowledge in regarding what
 that system is for, the OWS?
- 3 A. The oily water sewer is -- it receives processed
- water from the coker ponds, from the -- product
- from all the sumps, the oily water sewer sumps,
- 6 which could be any type of product, whatever is
- 7 coming from the units, from washdowns, from any
- 8 problems they might have.
- 9 Q. Maintenance?
- 10 A. Maintenance, yeah.
- 11 Q. Are you aware that material received or that is
- released or the general stream of the OWS
- contains hydrocarbon waste or hydrocarbon
- 14 material?
- 15 A. Sure.
- 16 Q. And what is your knowledge of the source of
- 17 those hydrocarbons like naphtha or methanol?
- 18 A. Usually if there's a leak or a problem that's
- one of the places that it ends up, in the sewer
- 20 there.
- 21 Q. Are you aware or have you ever heard of let's
- say not a leak, but let's say a maintenance step
- on a vessel that would contain some naphtha, and
- 24 then that material was released to the oily
- 25 water sewer system. Are you aware of that type

- of situation?
- 2 A. Where maintenance would --
- 3 Q. Let's say a vessel was coming down and they
- 4 wanted to get inside it or clean it out or do
- 5 whatever, but they first had to empty it out.
- And there's naphtha, for example, in that vessel
- 7 and then that material is released to the oily
- 8 water sewer system. Are you aware of that
- 9 happening?
- 10 A. Not directly, no.
- 11 Q. Are you aware of materials like high pH
- 12 caustics, high caustics or low pH like acids
- being released to the oily water sewer system
- 14 from the units? Have you ever had that
- 15 experience?
- 16 A. Yes. Usually when the alky unit has a problem
- 17 with their neutralization pit it's released to
- the oily water sewer. And tank 304, I think we
- 19 have a similar tank, that's a caustic tank.
- 20 Q. That's a caustic tank?
- 21 A. Yeah, that's what I recall. I had to think
- about the numbers because there's a lot of
- 23 different numbered tanks and with different
- units it's hard to remember all of them.
- Q. When these releases are coming down the OWS you

- are notified, you are given a phone call and
- 2 told this material has been released and it's
- 3 coming down the sewer system, is that generally
- 4 true?
- 5 A. That's the rules. They're supposed to.
- 6 Q. Okay.
- 7 A. It doesn't necessarily always happen. Sometimes
- 8 they don't know. Sometimes we detect something
- is happening and we notify the unit, too, we're
- seeing a change here, and then they send out the
- 11 investigation.
- 12 Q. To see where the problem is?
- 13 A. To see if someone has a problem somewhere.
- 14 Q. How do you detect that? What are the ways?
- 15 A. The pH, sometimes visual inspection, smell.
- Methanol, you can smell that.
- 17 Q. Right. Is visual inspection or smell of the API
- 19 A. Very much so, yeah. LEL we can, naphtha, we'll
- 20 see that, so and visual.
- 21 Q. What's your knowledge about the API separator,
- 22 what that is for?
- 23 A. Primarily for skimming oil and also settling.
- 24 Q. When you say oil, are you -- do you specifically
- 25 mean just oil or could it mean other materials,

too? 1 Skimming specifically oil. 2 A. Heavy oil? 3 Q. That's the primary goal, right. A. 4 Okay. We've noticed in a lot of these logs, and Q. 5 we've gotten logs for '95, '96 and '97, and 6 there's been a lot of entries on the comments 7 here about oil showing up on the API separator, 8 lots of oil on the API separator, green gas oil, 9 oil, it's on these logs quite a few times. 10 that -- that's one thing you keep track of, 11 right? And you try to find out why that's 12 happening? 13 Right, that's true. And usually the procedure 14 A. is we'll notify the shift supervisor and then 15 they can sort of look. And we would call 16 If it has a certain characteristic then around. 17 we can -- if it's green gas oil we usually call 18 the coker unit. It's more of a characteristic. 19 It's not necessarily so it's a -- they're having 20 a problem, but it could be one of the first 21 areas to look. 22 That's my next question. What generally do you 23 Q. find out is the reason for that showing up on 24 the API like that? 25

- A. Usually having some type of problem.
- Q. In the unit somewhere?
- 3 A. Right, in the unit somewhere.
- 4 Q. Is it ever a situation where it's just because
- of what they release, not from a problem, but
- just a release to the system, that you would
- 7 have it showing up on the API? Is that a
- 8 possibility?
- 9 A. I suppose it could be a possibility. All
- occasions that I'm aware of it's indicated they
- had some kind of problem, maintenance or process
- 12 problem or something related.
- 13 MR. BERGER: Okay. That's about it
- 14 for me.
- MS. HAYES: I'm done.
- 16 BY MR. KRIENS:
- 17 Q. Tom, I'm Don Kriens. You were a waste water
- operator starting in '91, was it?
- 19 A. Yeah.
- 20 Q. About 1991?
- 21 A. Yeah, that's close.
- Q. Were you aware of this past winter, this past
- spring and then the winter and the previous
- 24 year, '96, that waste water was disposed of via
- the hydrant system, using the hydrants to flush

- out and dispose of waste water on land?
- 2 A. Yes.
- Q. Do you know -- could you elaborate on that, your
- 4 knowledge of it?
- 5 A. I remember I guess procedurally the safety
- 6 department flushed the hydrants, and that was
- 7 one of the occasions. Also there was water that
- 8 was -- because of the levels in the south -- the
- 9 west storm pond water was also sprayed from the
- 10 hydrants.
- 11 Q. Because the level was high in the pond you mean?
- 12 A. Yes, the fire ponds.
- 13 Q. Was it a result of the levels being high because
- of the backup of ammonia, or affluent from S7
- because of high ammonias in that, that safety,
- or whoever conducted the discharges, had it
- 17 done?
- 18 A. As far as I know, you know, it's because of the
- 19 high levels of water. If it's ammonia related I
- 20 quess I'm not really aware that that was
- 21 indicated as a reason.
- 22 Q. Okay. In November 3 and 4 of '96 there was one
- 23 particular hydrant release during the nighttime
- 24 at which a fair -- we don't know how much water,
- 25 but water was released over the night period.

And that next -- that was a Sunday evening 1 through Monday morning. On Monday morning a 2 Bioassay testing, or the whole affluent toxicity 3 testing was scheduled to begin, and during that 4 night, as I mentioned, they discharged water 5 through the hydrants on land. At the same time 6 that day of the 3rd and 4th the plant received a 7 very high load of ammonia because of the 8 problems with the sour water strippers. And my 9 10 question is do you know of that release in particular? 11 I don't really recall, unless I was -- I would 12 A. have to look back in the logs. I think that was 13 someone else that was on. It was something I 14 read in the logs about because we review the 15 16 logs. Yeah, you aren't on those logs. I looked at 17 Q. those time frames. Was there -- you were aware, 18 I assume, of the high ammonia loadings coming 19 from the refinery area impacting the waste water 20 pond? 21 22 A. Right, I believe so. Was that a difficult problem to deal with 23 Q. through what time frame? My understanding was 24

it began around June, July of 1996.

25

1	A.	Yeah, we had you know, just specifically
2		identifying the overall time window, but from
3		time to time there were problems because of the
4		sour water stripper, that was one of the
5		identified reasons.
6	Q.	What was the operational response to that? How
7		did you operate the waste water plant then to
8		deal with that?
9	A	One was to maintain the biological system to try
10		and help take care of the ammonia. The other is
3.1		limit the outflows from the S7, stay within the
12		limits.
13	Q.	By limiting go ahead, any others?
14	A.	Also, as far as backing any water into the
15	•	system.
16	Q.	That was what you would have to do when you
17		limited the S7 to the polishing ponds?
18	A.	Yes.
19	Q.	Back up to B5?
20	A.	B5 or the fire ponds, yeah.
21		MR. KRIENS: I don't think I have
22		anything more. Thanks a lot.
23		(Whereupon, the interview concluded at
24		3:25 p.m.)

STATE OF MINNESOTA)

Ss:

COUNTY OF HENNEPIN)

BE IT KNOWN, that I, MILO BALLINGRUD, Court Reporter, a Notary Public in and for the County of Hennepin, State of Minnesota, certify that the foregoing is a true record of the interview of TOM BAILEY, and reduced to writing in accordance with my stenographic notes made at said time and place.

I further certify that I am not a relative or employee or attorney or counsel of any of the parties or a relative or employee of such attorney or counsel;

That I am not financially interested in the action and have no contract with the parties, attorneys, or persons with an interest in the action that affects or has a substantial tendency to affect my impartiality;

IN WITNESS WHEREOF, I have hereunto set my hand on this 21st day of November, 1997.

MILO BALLINGRUD,

Notary Public, Hennepin County, Minnesota My Commission Expires January 31, 2000.