KM-016

CR 7648	٦, ٢		•		
זַל/אַייי				OF AMERICA	
	2	NUCLEAR	REGULAT	ORY COMMISSION	
	3		X		
		CONSUMERS POWER COM	PANY :	Docket Nos.:	
	5	(Midland Units 1 an	d 2) :		50-330 OM 5J-329 OL
			x		50-330 aL
	,	DEPOSITION OF	JOSEPH	D. KANE (Conti	nued)
				Retherda	, Maryland
					27 March 1981
	10	adjournementet 9:3	2 a.m.,	Room 9609 of	sumed pursuant to the Maryland National
	11	Bank Building, befo in and for the Dist	rict of	Columbia, whe	A vere present on
	12	behalf of the respe	ctive p	arties.	
		RONALD ZAMARIN,	ESQ.,	and ALIN S. PA	RNELL, ESQ., Ishan,
	13	Lincoln & Bea Illinois; on	le, Fir behalf	st Mational Ba	nk Plaza, Chicago, rs Power Company.
	14	WIILIAM PATON,	2500	ffice of the L	ezal Director.
	15	United States	Nuclea	: Regulatory C	clear Regulatory
	16	Staff.	; on be	Mail of the Nu	CIDER Regulatory
	17	ALSO PRESENT:	all	ELLEN	
	18	MR. AFIFI	ST AFF	TAL	
	19	MR. REELEY	- 11		
	20				
	21		Wi-		
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R7648				<u> </u>	NIE	TS	
MA, SAIS	2	WITNESS:		•	CRO	SS EXAMINATION	(Continued)
	3	Joseph D.	Kane			504	
	7						
						PAGE:	
		Consumers				507	
	13	Consumers	Exhibit !	No. 25		507 516	
	11	Consumers	whibit I	No. 26 .		518	
	12				•		
	13					•	
	14			1			
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	18						
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PROCEEDINGS eupon. JOSEPH D. KANE med the stand end, naving been previously duly sworn, examined further and testified as follows: MR. ZAMARIN: This is the continuation of the
JOSEPH D. KANE med the stand and, naving been previously duly sworn, examined further and testified as follows:
med the stand and, naving been previously duly sworn, examined further and testified as follows:
examined further and testified as follows:
비행 가지 않는 것이 많은 것이 같은 것이 가지 않는 것이 없는 것이 없 않이 않는 것이 없는 것이 없 않 않이 않
MR. ZAMADINE This is the continuation of the
sition of Joseph Kane, continued from yesterday.
CROSS-EXAMINATION
BY MR. ZAMARIN:
You understand that you are still under oath?
I do.
I have what has been marked Exhibit 23, as of
y's date. I would like to ask you if this four-paged
ment bearing several dates, are the pages in your
writing?
They are my handwritten notes.
Can you tell me on the first page and second page
e it says one of two and two of two, dated 3/24/81, can
tell what those two pages represent or what they are?
(Handing document to witness.)
THE MITNESS: They are a record of a conference
with consumers on the morning of the 24th of March.

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48 01 02		505
E SBWH	1	These are issues which were discussed with the individuals
	2	which have been indicated at the top of the paper.
	3	BY MR. ZAMARIN:
	4	O What was the subject of that conference call?
	ż	A The plans of consumers in the exploration program
	6	that was to begin. I think, on the 25th of March.
	7	2 Exploration program is what we've been referring
	э	to as the Boring Program?
	9	A That is correct.
	10	Q Would you also identify the third and fourth pages
	11	of Exhibit 23? The third page is dated 3/20/81, marked one
	12	of one; and the fourth page is dated 3/23/81, marked one of
	• 13	one. 🕳
5	14	A The single paper dated 3/20/81 was a prior
	15	conference call with Consumers, with individuals in the call
	15	noted above, on the same subject, the exploration program.
	17	This was a call prior to the call of March 24th. It was the
	13	means where the call on March 24th was set up.
	19	The last sheet is dated the 23rd of March, and is
	20	entitled "Discussion Topics for Telecon on Monday." And
	21	what it was, my notes so that I could discuss these items
	22	with Consumers on the call of the 24th.

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Ace-Federal Reporters, Inc. MARMINGTON CAPITOL STREET WASHINGTON" D.C. SHOP

NATIONWIDE COVERAGE

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 JSBWH
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 Q
 Does Exhibit 23, then, represent your recordation

 2
 of what the exploration program by Consumers is intended to

 3
 be?

A Yes.

Are there any portions of the program or any approach taken by the exploration program with which you do not agree?

There is one additional document that you have. A -2 which records a conversation between myself. Hari Singh. and William Otto, which discusses the problem with not doing SPT 10 1: borings of this program. It also states the conclusion with 12 regard to our concern for not doing the SPTs on that sheet. 13 The conclusion is it is recognized that the program that 14 you are undertaking in areas will be more than what we have 15 requested, and will go further than what we have requested. The one area where no SPTs are being taken, it is not quite 15 17 clear whether the SPTs would have given us a measure of in 1. situ properties better than under undisturbs: and there I am 12 referring to the problem we have of taking undisturbed 20 samples in cohesionless materials and the advantage of the 21 SPT in that regard is it is a measure of the penetration 22 resistance which can give us known information on the

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NATIONINOE COVERAGE

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SSBMH	1	properties of cohesionless materials which we may lose in
	2	disturbing that type of sample.
	3	0 Other than those items which we discussed
	4	yesterday, any other problems with the Boring Program?
	5	A Based on my understanding, which I have recorded
	5	there, I have no other problems. I have asked to have a
	1	better record than that telephone conversation for a copy of
	э	your contract.
	ş	Amen you talked about areas of concern, using the
	10	undisturbs rather than the SPTs, were you talking about
	11	particular areas of the plant or simply areas where there
	12	may be cohesionless soil?
	13	A Strictly with regards to areas where there is
ć	14	cohesionless soils.
	15	Q There was no particular area of the plant site
	15	that you had in mind?
	17	A That is correct.
	:8	(Consumers Exhibit 23 identified.)
	19	MR. ZAMARIN: I have what is marked Exhibit 24, as
	2	of today's date.
	21	(Consumers Exhibit 24 identified.)
	22	

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Name of Column

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OSBWH 1 BY MR. ZAMARIN:

2 G Can you tell me what that is?

(Handing document to witness.)

THE WITNESS: The document you have indicated as 4 Exhibit 24 is actually two parts. One part is a handwritten 5 summary by Tony Cappucci on a January 20, 1981 meeting with ó 7 Consumers with recard to the settlement of category I underground piping. I was provided a copy of Tony c 9 Cappucci's notes and I responded by writing the first page 10 of Exhibit 24, which is my handwritten notes in response to 11 Mr. Cappucci's summary of that meeting.

BY MR. ZAMARIN:

With regard to the borings that are being or are 13 0 to be taken in the dike. pursuant to the exploration program 14 that we have been talking about. In the event that those 15 15 borings show no problem with dike stability, will that 17 satisfy the concerns of the NRC with recard to the dike? 13 I can only answer for myself. I cannot answer for A the entire NRC. If the borings show the fill has been 17 20 placed properly and has soil properties equal to ar petter 21 than what was used in the design, as far as I am concerned

it will resolve my concerns of the past with the dike.

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NATIONWOOD COVERAGE

1648 01 06 509 SAME As far as you know, .ould that also resolve any a 1 concerns or satisfy any concerns that the corps had with the 2 3 dike? I would say the same thing would be true. 4 A Do you know of anyone else within the NRC who 5 0 would have any different opinion? ć The borings presently are entirely around the 7 A 3 ultizate heat sink. Whether in consideration of 2 environmental needs other issues were raised with the other 12 portion of the dike. I cannot address. So far as you know, within the context of the 11 2 12 issues in this metter, there is no one else who would have 13 any contrary opinion to yours with regard to the dike and what the borings should shows is that right? 14 15 A As far as I know at this time. I as not hedging. 15 I understand. 2 :7 What I am attempting to do is there is an issue of A das safety, which the NRC is involved with. Whether under 13 19 the requirements of federal das guidelines or dam safety it 20 becomes an issue in the future. I don't know. 21 I have here a draft, a letter marked "draft." It 0 22 indicates J. Kane, received, 3/24/81 at 4:40 p.m., on the

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ATIONINGE COVERAGE

## 548 01 07

SBMH

letterhead of the Department of the Army, and once again
 with no indication of whose Army. And on the second page is
 typed the name P. McCallister, Chief of the Engineering
 Division.

The last paragraph of this letter. it states: "It is our ź. understanding that the .3/10 Kips has been obtained by 6 deducting stage 5 load on 16 January, 1980 (2.2 Kips) from 7 3 stage 5 load on 31 December. 1981 (3.0 Kips). Table 4-1a. 9 However, from the heading of 4-1a it is clear that this table pertains to building load only, therefore loads shown 10 at various stages must be the dead load of the building load 11 only. The applicant should clarify this discrepancy." 12 13 Can you look at that and explain to me just what the problem there is that McCallister is attempting to convey? 14 15 (Handing document to witness.) 15 THE WITNESS: I would like to indicate that the Army is your army and my army, the U.S. Army. 17

BY MR. ZAMARIN:

19 G All right.

18

20 A Wr. McCallister has not signed this. This is elso 21 a draft, so this is directly from Hari Singh. What he is 22 attempting to convey is that there is still some confusion

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548 01 08	•	511
-33MH	1	in his mind about the load that was supplied prior to the
	2	surcharge. He is still having some confusion with table
	3	4-la.
	4	Q And this letter that I have referred to, this
	5	draft, was a review of Consumers Power Company's response to
	6	interrogatories J. 2, and 3 of the NRCs is that right?
	7	A That is correct. As far as I know, there are two
	c	1, 2, and 3 NRC interrogatories, I think. Structural
	9	Engineering Branch, when they sent our theirs, was also
	10	labeled 1, 2, and 3. This was the first set of
	11	interrogatories.
	12	WR. ZAMARIN: I would like a short recess.
	13	please.
	14	· (Recess.)
	15	MR. ZAMARIN: Back on the record.
	15	BY NR. ZAKARIN:
	17	G Have you done some kind of an analysis of building
	18	settlement markers for - within the full surcharge area of
	19	the diesel generator building?
	20	A Yes.
	21	a what was the purpose of that?
	22	A To summerize the voluminous settlement data to

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233NH	1	where it would have meaning to me.
	2	G Has it been summarized to a point where it has
	3	meaning to you? *
	4	A Yes.
	5	0 What is the meaning? Is that too general a
	6	question?
	7	A I think I can answer what you are asking. I had
	٥	problems in reviewing the data, with trying to understand
	9	the different instruments at different elevations at
	10	different locations, and so I attempted to summarize those
		and see if foundation zones settle more than others. Also I
	12	was puzzled by the amount of rebound that was indicated in
	13	some of the devices. I was trying to understand what would
-	14	have caused that.
	15	I think my summary has answered those questions.
	15	In arriving at those answers, 'are you satisfied
	17	with the surcharge program as having consolidated the soil
	18	beneath the diesel generator building to a point of
	19	secondary consolidation?
	20	A Not entirely. There are rebound measurements in
	21	some instruments which are not realistic, in my opinion. I
	22	think it is because of the way the settlement was

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conducted during the period when the full surcharge was
 imposed, that period. And because of that, it raises
 questions about the accuracy of your survey data.

What it does is it reinforces my understanding that doing
the additional borings and laboratory testing will help
resolve any questions I do have.

G Mith the resolution of some questions at which you
 arrived as a result of your settlement marker survey, were
 you able to or did you, in fact, resolve some questions that
 indicated that the surcharge program had not achieved
 secondary consolidation in the soil beneath the diesel
 generator building?

13 A I was not able to conclude that it had not. One 14 thing looking closely at the date has pointed out that the 15 only settlement markers that we have been given data for 15 continuously was the DG-series, which went up to. I think. 17 3/80, 9/30, whereas all of the other instruments. the 18 anchors settlement plates, extended only up to the time of 17 surcharge rebuttal.

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HATIGHWING COVERAGE

## 7648 01 11

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i.e

CosBMH	1	from the dewatering operations. We are particularly
	2	interested in looking at the settlement that occurred since
	3	you have loaded the pedestals with the diesel generators.
	4	There is also one other item which is not reflected in
	ċ	that. In Dr. Gould's deposition we were handed a document
	6	that showed settlements significantly larger than any of the
	7	data that has been recorded there. They are indicated to be
	8	PD, which I understand are pedestal markers, and the
	9	magnitude of those settlements are a lot larger than
	10	anything I have seen. I am talking about 17 inches. 20
	.11	inches.
	12	I asked Dr. Gould what do these measurements reflect and
	13	what - there is a time scale on the drawing, but it does
5	14	not give the year. And I was trying to understand what do
	15	those records show?
	15	Q Did he tell you what they show?
	17	A He did not know. He said it was information sent
	1	to him, but he did not reveal that information. I suggest
	19	this would be a one item I will provide from Dr. Gould's -
	20	or you have already provided it to se - the graphs of that
	21	settlement which we could discuss at the secting on
	22	Amendment .85.

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CosBWH	1 1	MR. ZAMARIN: Off the record.	
	2	(Discussion off the record.)	
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BALLAD	1	MR. ZAMARIN: Back on the record.
<b>1</b>	2	BY MR. ZAMARIN:
	3	Q I have here what is marked Consumers Exhibit 25
	4	for identification.
	5	(Consumers Exhibit No. 25 identified.)
	6	Can you tell me what this sheet is?
	7	(Handing document to witness.)
	8	(Pause.)
	2	A It is a record of a telephone conversation on the
	10	25th of March between William Otto, Hari Singh and myself on
	11	proposed Boring Program at Midland.
	12	Q I have a letter dated January 16, 1981, from the
	13	Department of the Army, and on the left it does say United
7	14	States of America, Materways Experiment Station, directed to
-	15	the District Engineer for the Detroit District. It appears
	15	to be over the signature of Paul F. Hadals. H-a-d-a-l-a.
	17	Have you read this letter.
	13	(Handing document to witness.)
	19	A Yes. I have read that letter.
	20	G Do you egree with all of the statements made by
	21	Paul Hadala in this 16 January 1981 letter?
	22	A I have not reviewed them in detail. I have

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3 02 02		517
der R.W.E	1	confidence in Paul Hadala's review.
5	2	Confidence in Paul Hadala aside, do you have any
	3	independent verification for any of the conclusions reached
	4	by Mr. Hadala in this letter?
	5	A By that I understand you to mean have I made an
	5	independent check of the things that he has discussed there?
	7	G Yes.
	з	A I would say no.
	2	Is anyoneless going to do an independent review
	13	of Mr. Hadala's work here?
	11	A It is my understanding Mr. Hadala is doing this
	12	work for the Detroit District. That is a copy that
	13	Wr. Hadala has sent we at the same time he sent to the
4	14	Corps. The Corps has reviewed that and has incorporated it
-	15	into draft that you have been provided a copy of.
	15	G You don't have any reason to disagree with
	17	snything in this letter, do you?
	19	A No. I do not.
	19	G And in fact you tend to agree with it because of
	20	your confidence in the ability of Dr. Hedele?
	21	A That is correct?
	22	WR. ZAWARIN: The January 15. 1991, letter that we

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. 02 03		513
	1	are discussing is marked Consumers Exhibit 26.
	2	(Consumers Exhibit No. 25 identified.)
	3	BY WR. ZAWARINE .
	4	G Anything about the cracks in the borated water
	5	storage tank foundation ring that I didn't ask you yesterday
	6	that you think I ought to know about?
	7	A No.
	з	G Have you reviewed any of the answers to NRC
	,	. terrogatories that have been filed by Consumers Power
	13	Company?
	11	A Mould you repeat the question, please.
	12	C Have you reviewed any of the answers to NRC
	13	interrogatories that have been filed by Consumers Power
	14	Company?
-	15	A Yes.
	15	G which ones?
	17	A The three that were addressed to the initial set .
	18	of interrogatories. I have looked at the responses to the
	19	interrogatories by the Structural Engineering Branch.
	20	2 Have you reached any conclusions or arrived at any
	21	incressions as a result of those reviews?
	22	A with repard to the first set of interrogatories.

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1	the reason the Corps of Engineers responded in their letter.
2	which I think is a teletype, 324, was because of the concern
3	I had in response to Interrogatory No. 3. and I agree with
4	what is being asked for by the Corps of Engineers.
5	G That is the thing we talked about just a few

6 minutes ago?

7 A That is correct. With regard to the second set of 3 interrogatories. I think I indicated yesterday there were 9 several interrogatories which I felt were not responsive.

10 G Do you recall which ones they were, what the
11 subject matter of those interrogatories is?

12 A I would have to be — to be specific, I would have 13 to look at the interrogatories, out if I remember correctly 14 there were responses that well saying we did this analysis 15 and we will provide it to you at the time of the audit 16 review, and it seemed to me that if the work had already 17 been done then it should have been submitted at the time of 18 your response to the interrogatory.

19 3 That is the basis for your dissatisfaction with 20 the interrogatory answers?

21 A I would have to review the responses to be able to 22 answer that.

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WARNING TON. S.C. 50001 BOD 107-000

BATHBOTHE COVERAGE

	520				
1	MR. ZAMARIN: Off the record.				
2	(Discussion off the record.)				
3	Back on the record.				
4	BY MR. ZAMARIN:				
5	Q Have you done any review of the underground piping				
5	satter with regard to the Midland soil settlement?				
7	A Other than review of the Corps of Engineers'				
в	efforts, no.				
9	Q As a result of whatever review you have done, what				
10	conclusion, if any, have you drawn with regard to the				
11	underground piping?				
12	A The conclusions that I have drawn are a result of				
13	your analysis where it has been indicated that some of the				
14	pipes are overstressed at this stage because of the				
15	deflections that have been already measured.				
15	Is that the extent of your conclusion or				
17	impression, feeling about the underground piping?				
13	A I have had discussions with Tony Cappucci about				
19	your position of profiling some lines and not others. and				
20	you have my position with regard to that in comething I have				
2:	given you, and that is the single copy before you. Tony				
22	Cappucci's notes.				
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 13 19 20 21				

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ILA THOUTHING GOVERLAGE

-3 02 04	5	521
3-400	1	Q In order to save se the trouble of digging for
~	2	that, can you tell me what that says?
	3	A It says that you want to indicate to us that it is
	4	not necessary to profile other pipe and conduits. Then you
	5	should demonstrate by this sub-surface exploration
	ð	information you had that they are indeed similar.
	7	G Do you have an opinion with regard to the proposed
	9	remedial fix for the suxiliary building?
	9	A Could you be more specific?
	10	a Nu
	11	A Mould you repeat the question?
	12	. Q Sure. Do you have an opinion with regard to the
	13	proposed remedial fix for the auxiliary building. as to
	14	whether it is adsquate?
	15	A My opinion is there are still some outstanding
	15	issues with regard to it. They are reflected by the Corps'
	17	draft and by my notes on reponse to. I think it is. Question
	19	42.
	19	G Aside from the matters that are contained in the
	20	sreft report, the Corps report and your notes, then there
	2 '	would be no concerns that you have with regard to the
	22	adequacy of the suxiliary building remedial fix insofer as

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it comes within your review responsibility: is that right? 1 2 A I understand that guestion to mean everything that I have reservation on is indicated in that draft, and I 3 would have to say no. 4

5 3 Then you know what I have to say. What are the others? 6

7 A You have summarized your technical specification 3 for doing that work in response to one of your questions. we have obtained, through deposition, a copy of the 2 13 technical specs for doing that underpinning work. In Dr. Gould's deposition there were questions that we had 11 asked, which he has referred to being in the tech spec. 12 13 I know one item is monitoring, and I think there were 14 several others. And so not everything that you have on either the Corps drafts or my notes would encompass that. 15 What I am attempting to say is I would want to review the 16 17

have raised with Dr. Gould in the past. Excuse me. It is 13 12 not Dr. Gould: it is Mr. Gould.

tech spec to see if it enswers all of the guestions that I

23 3 Can you tail se what those questions are to the 21 extent that they are not contained in your review or the traft Corps review of Revision 107 22

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C2 08			523
	1	٨	I have concerns, once this work begins, what
•	2	monitorin	g of the adjacent structures and the effect of this
	3	work will	have on both the.excavation of the drift and the
	4	jacking o	f the calssons, the effect on the foundation of the
	5	turpine p	wilding.
	5	2	Is your concern for the excevation of drift with
	7	regard to	a lateral support or support of adjacent
	э	structure	\$?
	2		Yes.
	10	٥	would that be the same concern with regard to the
	11	effect on	the foundation of the turbine building?
	12		Loss of lateral support would affect the
	13	foundatio	n of the turbine building.
٠	14	· .	That is what your concern 157
-	15		That is correct.
	15	3	what is your concern with regard to the jacking of
	: 7	the calss	ions?
	1.9		whether the jacking process would cause movement
	19	in the st	ructure that you are jacking egainst and what
	20	monitori	you plan for where those operations are
	21	sompletes	1.
	22	3	Anything else?

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ATIONTO COVERAGE

1 02 09			524			
מבלויי	T	A	Not that I can think of.			
-	2		WR. ZAMARIN: Off the record.			
	3		(Discussion off the record.)			
	4		BY WR. ZAWARIN:			
	5	2	Do you hase any problem or concern with the			
	6	concept o	f the now proposed remedial fix for the service			
	7	water str	ucture?			
	э	A	We have not been given any details on the concept			
	ş	of the service water structure.				
	10	a	Do you have some idea what the concept is?			
	11	*	To extend the wall and put a footing on the			
	12	glacial t	111.			
37	13	0	Do you have any problem with that concept as a			
	14	proposed	fix for the service water pumphouse structure?			
-	15	٨	I do not.			
	16		(Pause.)			
	17	٩	I note in the Corps draft report, Revision 10,			
	13	which has	Deen marked Exhibit 22 as of yesterday's date,			
	19	Herry Sin	ph states some concern with the effects of			
15	20	permanent	strains in the reinforcing bars of the duct			
	21	banks. D	you consider this to be a significant problem?			
	22		(Hending document to witness.)			

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32 10			525
	1	A	I don't know. I don't consider that the area of
-	2	review of	geotechnical engineeering, and Wr. Singh has
	3	indicated	that this is something that should be followed up
	4	by the ap;	propriate section of NRC.
	5	3	Mechanical or structural?
	5	· A	Structural.
	7	٩	You don't have any impression as you sit here now?
	з	A	No.
	ç		(Pause.)
	10	a	I note that on page 12 of this draft Corps report.
	11	Exhibit 2	2, with regard to Question 46 and 45-1-F, the last
	12	complete ;	paragraph of that page, that Mr. Singh states, "Me
•	13	concur."	Were you referring to the Corps of Engineers?
-	14	A	Yes.
•	15	3	"We concur with the remaining portions of the
	15	Applicant	response to Question 45-1-F. If the appropriate
	17	values of	shear strength parameters are used, the analyses
	13	performed	by him would assure the seismic safety of the
	: >	foundation	ns of the two Category I reinforced concrete return
	20	bibes."	
	21	Do you	agree with that statement if the Shear strength
	22	parameter	s used are correct, that the analysis performed by

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Consumers Power Company would assure the seismic safety of 1 the foundations of the reinforced concrete return pipes? 2 Yes. Ahat I understand from that is to say that 3 A . the stability analysis that you have provided us. if the 4 shear strength from the testing that you are now going to do 5 are equal or exceeded by those results, equal or exceeded 5 the values that you have used in your design analysis, then 7 we would agree that you have demonstrated stability of those 3 7 conduits.

9 On page 13 of Exhibit 22, with regard to Question 10 47. which cite dewatering. Mr. Singh states, he is referring 11 to the full-scale recharge test that will be done maybe 12 someday, that if the test indicates more than 90 days 13 fecharge time to reach elevation 510, the dewatering system 14 will be acceptable. In your opinion, is there some time 15 period less than 90 days that would also be acceptable? 15 17 It is my understanding that 90 days are coming A 13 about because that is your estimate of the time. I don't think there is anything magic about the 90 days. There is a 17 20 time limit which I think would become critical. I am not prepared --21

22 3 Time within which to effect the cold shutdown of

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AHINO	1	the reactor?
	2	A Yes.
	3	As long as it was greater than the time in which a
	4	cold unutdown of the reactor could be affected it would be
	5	sufficient?
	6	A Or whatever measures were necessary in addition to
	7	shutting the plant down.
	э	Necessary.to do what? Shut the plant down. In
	•	other words, you are talking about if they were going to go
	10	out and run some tests or try to put some backup wells in
	11	service first you would add that on to the time, if you were
	12	going to do that before you go into shutdown?
	13	A I am not clear in my own mind. Shutting the
-	14	plant down is one operation, but maintaining it in shutdown
ina	15	position is snother. If there is something that I cannot
	15	think of now which is being affected by the dewatering that
	17	has to remain operable for a long period of time other than
	13	just the period to shut it down, then that may be affected.
	19	WR. ZAMARIN: Off the record.
,	20	(Discussion off the record.)
	21	BY WR. ZAMARIN:
	22	2 On the last page of Exhibit 22, paragraph number
		5, it says "If you have any questions regarding our review

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3.4H TO	1	comments, please contact Mr. Harry Singh."
C.	2	If I have any questions should I do that?
	3	A The letter is directed to the NRC and not to
	4	Consumers.
	5	4 with regard to any of the proposed remedial fixes
	6	or any of the activities of Consumers Power Company or their
	7	contractors or consultants that relate to the soils issues.
	з	to you have any disagreements or reservations or criticisms
	ç	that you have not described to us during the course of your
	10	deposition?
	11	MR. PATON: I will have to put my objection to
	12	that question on the record as calling for an immediate
	13	review of information that Mr. Kane may or may not have
i.	14	picked up over sany, many months. If he wants to attempt to
	15	answer that, it is all right with me, but the question is
	15	covicusly objectionable.
•	17	BY WR. ZAMARIN:
	13	Can you think of anything else?
	19	MR. PATON: Do you understand the question.
	20	v Mr. Kane?
	21	THE MITNESS: Yes.
	22	Can we go off the record.

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C.	1	(Discussion off the record.)
	2	THE WITNESS: Everything that I presently have
	3	knowlewdge of I think you have been given a topy of in my
	4	papers.
	5	WR. ZAWARIN: I don't have anything further.
	6	Signature is reserved.
	7	(Whereupon, at 10:55 s.m. the taking of the
	Э	deposition was adjourned.)
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	10	JOSEPH D. KANE
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