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6	ANCHORAGE, ALASKA	
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8	OIL SPILL COMMISSION MEMBERS	
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10	Walter B. Parker, Chairman	
11	Esther C. Wunnicke, Vice-Chairman	
12	Margaret J. Hayes	
13	Michael J. Herz	
14	John Sund	
15	Timoth Wallis	
16	Edward Wenk, Jr.	
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	PARALEGAL PLUS	

Mr. Frey come forward. 1 MR. FREY: Are you reconvened? 2 MS. WUNNICKE: We are. 3 MR. PARKER: We are reconvened. 4 MR. FREY: My name is Mano Frey and I am 5 President of the Alaska AFLCIO. And, also, speaking 6 primarily today in my capacity as business manager, 7 secretary/treasurer of Labor's Union Local 341. 8 I have several comments to make. Both prior to 9 the spill and post spill and would be happy to answer any 10 questions any of you may have. 11 The first five years of the operation of the 12 terminal, there was a 24-hour oil spill response team. 13 Much of this, I'm sure, heard rehashed, but it's my first 14 chance so, you get to hear it again. 15 The people that were on that oil spill crew were 16 members of our local union. Local 341. And, in '81 and 17 '82 as Alyeska made the decision to phase that crew out of 18 existence we tried to talk to whoever we could about the 19 need that we perceived to keep that oil spill response 20 team in existence. And, there wasn't anybody to talk to 21 and I would hope that if nothing else comes out of your 22 actions, the actions of this Commission, the terminal has 23 been in operation for twelve years, hopefully for the sake 24 of the people that live here it is going to be an opera-25

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tion for 112 years. But, the people that are involved directly or indirectly need a listening post when there are problems that occur with an operation, the magnitude of the terminal, there has to be a person, a body, a Commission, somebody to talk to who will take the concern seriously.

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The problem that we ran into in '82 was that 7 anyone we spoke to felt it was sour grapes because the 8 people that were doing the job were losing the jobs, but 9 having living personally in Valdez for eight years and 10 representing a couple hundred members that lived there 11 still and make their livelihood in Valdez, it was certain-12 ly more than just a matter of the jobs that were lost. It 13 was the lack of ability to respond quickly. And, I think 14 each of you has probably heard the analogy, it was much 15 like a fire department. You hope you never have to go out 16 and they hope they never have to go out on anything 17 serious. But, if there is a fire they are there ready and 18 that's exactly how the crew was initially set up. 19

Now, since the spill there is not just a response
crew at the terminal itself, but the escort ships and so
many more things that are in place now to be able to
respond quickly and certainly responsibility if, God
forbid, there is another oil spill. And, I don't think
it's reasonable to say that at some point in time won't be

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more spills, because there will be. Anytime you are
dealing with human beings, no matter what safeguards you
may have in place, there are going to be accidents. So,
I would hope that the Commission would be able to come up
with some kind of reasonable access for people to talk to
when they do have some concerns and some way to address
those concerns.

Again, I don't want to be too redundant for your sakes, but I will tell you that VECO was the prime 9 contractor for the oil spill contractor. They sub-10 contracted to a Union contractor, Norcon (ph), and as 11 signatory to Norcon our local had a major role in the oil 12 spill clean up. We had more than 1,000 of our members 13 working in the Valdez area. Along with Norcon we also had 14 a contract with HC Price which was involved with much of 15 the clean up of the waste once it was brought back to 16 Some of the infamous incinerators down in Valdez shore. 17 and the oily waste as they were trying to dispose of it. 18

Again, I would have to say that it's unfortunate 19 that it takes an incident like this for everyone of us, no 20 matter who, to learn what needs to be done in a case of a 21 And, the only way to get ready and major incident. 22 actually prepare for something like this is to have to go 23 through it like we did. It was an amazingly confusing 24 time. The first month after the spill. And each week we 25

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solve coordination and the clean up actions get better and 1 better. And, as the contractors and our role as far as 2 getting some of the barges ready to go out that house the 3 people that were cleaning up the beaches and more and more of those were prepared and they got the people out in the 5 Sound actually washed the beaches down and clean up, it r was as close to a military exercise as I think many people 7 have ever been involved with. 8

Unfortunately, the first month when there was so much confusion when there was no equipment of very 10 little, that's when the need for most of our people came 11 into play because the oil went all over. And, unfor-12 tunately, none of you would be sitting here if an accident 13 of this magnitude hadn't occurred. And, I say unfor-14 tunately, because it gets back to my initial response. I 15 think that everybody in this State has learned a valuable 16 lesson and I hope that from the people that you have 17 testifying from your reports, you are able to come up with 18 some solid suggestions and solutions for preparing and 19 what to do in the case of another accident. Whether it's 20 in Prince William Sound or some place else in this state. 21

But, I will say that Exxon's been highly criticized for their response to the spill. Our relationship with Exxon, just as a third party, we never had direct dealings because we dealt with the Union contractor. But,

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they were caught in a situation that they certainly never expected to happen and they, frankly, were not prepared to deal with initially. But, they got prepared and as the season went on, as the summer went on, the coordination and the clean up efforts were tremendous. Like I say, I don't know how much detail you are interested in, that's why I'm willing to answer any questions that I can.

But, the other thing that I want to say -- a lot 8 of criticism in the median and from some people about Q their decision to cut off September 15. That was, of all 10 their decisions that they made some right, some wrong, 11 some good, some bad, had representing a large percentage 12 of the people that were working on that water, safety was 13 a primary concern throughout the oil spill clean up effort 14 from all parties. We had, and we know VECO had, a lot of 15 inexperienced people, because frankly there was never 16 anything like this in anybody's imagination. There was no 17 way to train or prepare for anything like this. We lost 18 no one with the exception of slips on very slippery 19 surfaces and if you haven't had the chance to walk the 20 beaches, it's an experience unlike any other. Because the 21 rocks and the oil on the rocks and the fact that no one, 22 no one of our people was seriously injured is almost holy 23 in part because of Exxon's emphasis and Norcon and VECO's 24 emphasis on safety. And, they need to be commended for 25

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that and we applaud the September 15th cut off.

Prior to that date, and if you look at what actually went on, prior to September 15th there were periods in the three weeks prior to that, days at a time when they couldn't get on the beaches and do any work anyway. Because the water was so rough. And, I think this winter will tell the tale certainly about what happens next spring.

I'd be surprised if the beaches are -- if Mr.
Clean comes along and miraculously washes all the beaches
off. So, I think that Exxon will be responsible as they
have made the commitment and if there is a need, I believe
they will be back next spring. But, we think September 15
was appropriate as far as a cut off date out on the water.

I'd be more than happy to answer any questions.
We were involved in processes unlike any other in my 19
years in this state and it gave us and our membership a
tremendous amount of experience. Hopefully, they will
never have to use it again.

Yes?

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MR. PARKER: That's the problem with oil spills
experience. Yeah, you hope you never do. Commissioner
Hayes?

MS. HAYES: You said that at the time in 1982
when the manpower was being reduced at Alyeska's terminal

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the spill clean up group, that you talked to numerous 1 groups in the State and you were sort of dismissed as 2 being sour grapes worrying about jobs. Who in State 3 government did you talk to? Did you talk to DEC? MR. FREY: Yes. 5 MS. HAYES: That response was sort of a hoe-6 hum sort of response. 7 MR. FREY: They were satisfied with Alyeska's R approach. ۵ MS. HAYES: Did you talk to the State Om-10 budsmen officer? 11 MR. FREY: No. We did not. We primarily 12 tried to deal with DEC. 13 Okay. I'm just wondering because MS. HAYES: 14 I don't, at this moment, I'm not visioning one of our 15 recommendations being creation of a group that would be 16 responsive to that kind of thing. Do you have an access 17 to Alyeska now that you felt you didn't have before? Do 18 you have.... 19 MR. FREY: Well, I think that they are less 20 immune to criticism from the press than they were before. 21 That's not necessarily the most perfect avenue, but and I 22 certainly hate to use that as some method to try to tape 23 somebody on the shoulder. 24 Is the team of people that are MS. HAYES: 25 208

working right now for the Alyeska on their spill response 1 team. Are they union members? 2 MR. FREY: Yes, they are. Those that are 3 based at the terminal. The crews that are working on the support vessels are not union. 5 MS. HAYES: That's all. 6 Anyone else? Counsel? MR. PARKER: 7 MR. HAVELOCK: Mr. Frey, when you talked to DEC 8 did you talk to the local Valdez level or did you talk to 9 the Commissioner? 10 MR. FREY: It was the local level, not the 11 Commissioner level. 12 MR. HAVELOCK: Did you talk to any other agency 13 besides DEC? 14 MR. FREY: We were doing an awful lot of 15 crying, but I don't think so. I.... 16 MR. HAVELOCK: Have you been around or do you 17 have some recorded knowledge of how the Union Labor Force 18 responded to some of the other major emergencies that have 19 occurred in Alaska? I guess the earthquake was before 20 your time. I'm not sure about the flood in Fairbanks. At 21 any rate, I wanted -- do you have any base line in terms 22 of response to emergencies..... 23 MR. FREY: Sure. 24against which against which MR. HAVELOCK: 25 209

you could measure how this response worked in terms of labor force mobilization?

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I would say very, very similar, MR. FREY: 3 The day of the spill, in fact, I'll tell Mr. Havelock. 4 you what we did this time and I know that it ducktails any 5 other major accidents that have befallen this state that 6 the day of the spill, that morning I sent an agent down to 7 Valdez, one of my field agents. We opened up an office R and I contacted Don Cornet in Exxon's officer here in Q Anchorage and spoke to Don and offered our help and 10 support and that was on March 24th. From that day forward 11 we were not just willing but able to help out as far as 12 lending critical support as far as experienced oil spill 13 We still had a contra in Valdez of response people. 14 people who had worked at Alyeska and were able to provide 15 some of those people to the contractors. We also offered 16 support form our training school, both on a local level 17 and a national level as far as training and hazardous 18 waste and in fact have developed with Alyeska and the 19 contractor terminal we are developing now a safety 20 training program for those people involved in oil spill 21 Both union and non-union. response. 22

23 MR. HAVELOCK: Did you have such a -- was there
24 such a program in place before?

MR. FREY: Yes.

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MR. HAVELOCK: What kind of improvements or 1 changes are you making? 2 MR. FREY: We are actually working now 3 directly with Alyeska and so it will be more of a custom made, instead of a generic hazardous waste class it will 5 be custom made to directly support oil spill and the 6 hazards encountered. 7 MR. HAVELOCK: You mentioned you had experienced 8 oil spill people. Are you talking about nationally? 9 MR. FREY: No, primarily at the local level. 10 Our people, even after the -- in '82 after the oil spill 11 response team was eliminated, our people were still the 12 first in line when they needed extra people with the 13 smaller spills that occurred in Valdez. And, so many of 14 our people were experienced, many in the 50 ratings. Not 15 many in the 10,000 range. At that time it was many. 16 Well, did you have people that MR. HAVELOCK: 17 weren't utilized? That were experienced? 18 MR. FREY: With this spill? 19 MR. HAVELOCK: Yes. 20 MR. FREY: There's was no one that was not 21 utilized. We utilized everybody. And we did get support 22 with some of the health issues, because again, the large 23 amounts of crude involved, we didn't want to put any 24 people in danger and so we were able to draw on some 25 211

national expertise and many of you may know Eula Bingham.
Dr. Bingham came in and helped in the initial days of the
spill to analyze and make recommendations as far as
adequate training.

5 MR. HAVELOCK: So, you are satisfied that you 6 were able to bring in national resources that you had with 7 respect to handling dangerous substances and so on and 8 they were utilized in good faith by the managers of this 9 spill response? Is that right?

MR. FREY: Not quite, but that's real close. MR. HAVELOCK: How about the not quite?

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MR. FREY: utilized them We and their 12 expertise and they made recommendations. Our contractors 13 that we dealt with utilized as many recommendations as 14 were feasible and with Exxon we didn't have as quite as 15 good luck as far as some of the recommendation and since 16 things have -- since the clean up is not in progress 17 anymore, we have had continued dialogue with Exxon and 18 hope to in fact have some more specific, site specific 19 training prior to next year if they are back next year. 20

They didn't think some of our ideas were so good,
but we are still working on them.

23 MR. HAVELOCK: There's been some, well--- Is it 24 your observation that the existence of a union force and 25 a non-union force, did that make any difference in the

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sense that there was any company or response to use nonunion labor?

We felt from day one that we could MR. FREY: 3 So, I am not have provided all the help they needed. A objective at all in any kind of answer. In my opinion it 5 wasn't necessary to use any non-union help, but unfor-6 tunately that wasn't a decision that I got to make. And, 7 I will say that our ability to utilize experience con-8 struction people though they may not have been involved in 9 any oil spill clean up before, but just the fact that they 10 were experienced construction people working in this 11 state, we were able to put together good working crews 12 much quicker than the non-union work force that was out 13 there, in my opinion. 14

MR. HAVELOCK: Was there any conflicts between the use of the union labor force and the use of local people who were not union?

MR. FREY: That was never any conflict at 18 Any of the areas that were affected we were willing all. 19 and able to take in and train and make a part of the 20 working force any of the people from the local areas. 21 That was never -- it was a perceived problem on the part 22 of some of those that were in charge, but it was never a 23 problem with us. We had people working out of Valdez, out 24 of Seward, out of Kodiak. And in each area, we took in 25

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new members, local people. Took in many new members. 1 And, they worked right along side the season construction 2 crews and it worked out very well, because they were able 3 to learn that much quicker. MR. HAVELOCK: Did that same observation be true 5 of utilization of Alaska native people that live in the 6 area? 7 MR. FREY: Absolutely, no problem. In fact, 8 we have a relationship with the native group up in the 9 Glennallen, Copper Center area and we were able to bring 10 down many of those members and put them to work down in 11 the Valdez area. 12 MR. WALLIS: John, can I ask a question along 13 that same line? 14 You indicated that you felt there wasn't a need to 15 qo non-union. To supply all the people, where would you 16 have got all the people? 17 MR. FREY: Well, our immediate, the way we 18 handled it in this particular case, we put anybody that 19 was a local resident and qualified we established hire 20 lists and in Kodiak, Valdez and Seward, there wasn't 21 anybody who was a legitimate "resident" of those areas 22 that we weren't able to put to work. 23 MR. WALLIS: And you treated them like any new 24 member. They paid the initiation fees and dues and such? 25 214

MR. FREY: That's right.

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2 MR. WALLIS: And after the spill they would
3 have to continue to pay the dues, correct?

MR. FREY: If they wanted to continue. Since the spill the majority of the people, just because of the 5 work that we have going on and the work that we have 6 coming up, the majority of the people we feel will 7 continue to pay dues and be members in good standing. 8 But, they work the appropriate number of hours and went on 9 the appropriate list after they were finished. But, I 10 think many of them saw the benefits of belonging since 11 they had not belong to the union before. 12

MR. HAVELOCK: There's been occasional some 13 accusations that Exxon sort of threw bodies at this spill 14 and that they didn't have a coherent plan for cleaning, 15 but that just spend money and put equipment out and there 16 were people standing around on beaches that were not 17 trained to do anything or were not equipped to do anyth-18 ing, but were just there drawing down money. Was that a 19 kind of criticism that you heard commonly from your 20 members or not at all? Or on rare occasions? 21

22 MR. FREY: Very rare occasions. That was not 23 our experience at all and I spent great deal more time out 24 on Prince William Sound than I had ever wished, I guaran-25 tee you that. And, it certainly not my observation that

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that occurred.

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Unfortunately, there was some initial news footage 2 that was replayed on a weekly basis of some people that 3 were wiping off rocks and that was the perception in 4 everybody's mind that that's all anybody was doing. And, 5 if any of you saw the actions of the workers as they were 6 washing down the beaches, using the omni barges or using 7 the maxi barges, you would absolutely know that I'm not 8 just spinning a tale here. 9

Our people, now certainly in every case when you 10 get that many people, you are going to have some that are 11 more productive than others and this is not any different 12 than any other large construction project. But, in 13 general the people earned the money they made. They were 14 working in at times very harsh conditions, and at times 15 with very little support other than what they could manage 16 for themselves. And, so where initially the first days of 17 the spill, I think there was a great deal of confusion on 18 everyone's parts. Not just Exxon and how to coordinate a 19 clean up, but everybody and every agency that was involved 20 in this there was a little bit of a chicken little 21 syndrome where the sky was falling. 22

But as the summer wore into some real live clean up, there was less and less of that and more of a plan and a lot more coordination between the Coast Guard, DEC

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and Exxon on what beaches to clean and the ones that were more seriously harmed. And, so initially probably some valid criticism, but I think of everybody involved, not just Exxon. But, as people realized how to manage and how to handle the problem that became less and less noticeable.

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MR. HAVELOCK: Was there a standard program for training and for safety that all beach workers got?

MR. FREY: Well, there was. And, that was 9 the one area that we remained critical of. There is a 10 federal regulation requiring 40 hours minimum of training 11 for any hazardous waste. Oil is classified as a hazardous 12 material. Initially there was a four hour class. And. 13 after coercing the agencies involved into having some 14 hearings on it, and we supplied some expertise to show 15 where the 40 hour standard is based on more of a generic 16 training class, it could be possible to lessen that 17 standard for this particular case, because you are dealing 18 with just one substance, not many. 19

We were willing to provide the ongoing training of what we felt would be adequate for the material that these people would be handling including things that may sound simple but when in fact you have that many bodies involved, it's not simple of how to put on the gear and take it off. And how to adequately take and safeguard yourself

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so you don't get the oil all over you. We were finally 1 able to convince the state agencies involved and the 2 federal agencies involved to increase the training and 3 they increased it up to a six to seven hour class. Though 4 we never did feel that was adequate, at least it em-5 phasized the oil and it was certainly more adequate than 6 the initial four hour class that emphasize hypo-thermic. 7 We thought there was less chance of people freezing to 8 death than the long term harmful side affects of exposure 9 to the oil. 10

And, I mentioned earlier we are still having some 11 dialogue about next year. The regulations were put in 12 emergency fashion because of the emergency nature of this 13 clean up and we didn't object to that because it was true. 14 There was, in every since of the word, an emergency out 15 there. And, we didn't want to put any roadblocks in front 16 of that clean up effort. However, for next year we feel 17 that the Federal regulation needs to be adhered to and 18 this winter is a perfect time to try to train the number 19 of people that they think might be needed for next year. 20 MR. HAVELOCK: Thank you, Mr. Chairman. Anyone 21 else? Tim? 22 MR. WALLIS: Yeah. On the aspect of volun-23 teers, how do you feel about their roles? 24 MR. FREY: I think it's real dangerous. Ι 25

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think that we were fortunate as I mentioned before that none of our people ended up with any serious injuries and there were no deaths from among our membership. But, they had supervisors that were skilled and qualified and knew how to deal with safety problems and how to adequately train the people that they had.

On a voluntary effort there -- if someone is 7 seriously hurt, or, God forbid, killed, or drowns or any **A** kind of serious incident, then I feel that whoever is 9 responsible is not just going to bear a great deal of 10 guilt, but is certainly going to be legally liable in 11 allowing it to happen. And, I think there are probably a 12 great many people in this State that would be willing to 13 go out and volunteer in an effort like that, but unless 14 they are adequately trained and supervised, you may get 15 some work accomplished, but what's the final risk? What 16 risk are you at? Are you placing yourself in? And, I'd 17 have to say for Exxon and the State and any other agency 18 that's going to involve themselves in that -- if I had 19 anything to say about managing it, it certainly wouldn't 20 be worth it to me as manager. 21

22 MR. WALLIS: I don't think you'd get any 23 argument other than the fact that anytime you do have a 24 disaster you have volunteers. And, the fact is, how do 25 you approach them, treat them, etc?

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MR. FREY: Well, there are things they 'can 1 probably do without placing themselves in immediate danger 2 that working out on Prince William Sound or any of the 3 other places affected by the spill. And, drawing back to Mr. Havelock's question about the earthquake 25 years ago 5 There were many volunteers for that, but the things here. 6 that they did was assisting the Red Cross and other 7 support agency. They help support. And, I think that the R rebuilding, for instance in the Anchorage area and other communities affected by the quake specifically, the 10 rebuilding was handling by construction companies that 11 hired the skilled help they needed. And, probably good 12 analogy because there were certainly many volunteers for 13 something like that immediately impacted so many com-14 munities. But, they help assist some of the other support 15 agencies. They weren't directly involved in the rebuild-16 ing efforts, per se. 17 MR. WALLIS: Thank you. 18 Anyone else? MR. PARKER: 19 MR. HAVELOCK: Do you have a contingency plan for 20 the union for response to major disaster? Oil spill or 21 other kinds -- earthquakes? 22 MR. FREY: We have worked with the Red Cross, 23 for instance. I won't say necessarily a contingency plan, 24 but there's not a local union in this state that isn't 25

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ready and able to assist in a moments notice with someth-1 ing of this magnitude. 2 MR. HAVELOCK: Do you know exactly what to do if 3 there were a big earthquake? Would you know what to do for the next twenty-four hours in terms of your employ-5 ment? 6 MR. FREY: I know what I would do. After the 7 first 24-minutes. Q MR. HAVELOCK: I'd say a lot shorter than that. ٩ (Laughter) 10 MR. FREY: I understand, but it would take a 11 while to quit shaking yourself. Yeah, we have met with 12 the Red Cross in the past in fact and our union hall is 13 one of the areas that would be a control center of sorts 14 because we have so many accessible phone lines and we 15 would be dealing with them and the other emergency 16 agencies in this state to respond. 17 MR. HAVELOCK: Thanks, Mr. Chairman. 18 MR. PARKER: What are your feelings about the 19 legislation passed last spring creating the oil spill 20 response in this State? Had a chance to look at that 21 legislation? 22 Does anybody yet know what it means? MR. FREY: 23 MR. PARKER: Lee.... 24 MR. FREY: I mean there was guite a bit of 25 221

legislation that prior to March 24th wouldn't have had a ghost chance of passing and because of the spill, did pass. I just -- I personally think it's a little too early to say what's good and what's bad so far.

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MR. PARKER: Well, I think the main aim of that, you know, is the responding to fishermen and to create a base for continuing that. I'm not sure whether it was in the mind of the legislature to go beyond that. I haven't figured that out myself, yet.

I appreciated your earlier remarks on the fact that may be shipping oil from Valdez for the next 112 years. It follows upon something I told JN back in '76, you know, where it may be the leading oil and gas producing state in the country for the next century and we should act like it.

I think if you look at the structure of the state government in this state, you'd figure out pretty fast that fish was important to this state and that we were the leading fishery producing state. But, you wouldn't particularly make a determination if you look at nothing but the structure of state government that oil and gas was important in this state.

23 MR. FREY: That's very true. I don't
24 disagree with that.

Thank you for the opportunity to talk in front of

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you today. 1 MR. PARKER: Thank you. 2 MR. SUND: We figured out how to spend it 3 all. MR. PARKER: Well, yeah. Okay. Commissioner 5 Wenk. 6 MR. WENK: Thanks, Mr. Chairman. Wouldn't it 7 be more comfortable if I took that.... 8 MR. PARKER: Sure. 9position. MR. WENK: If our visitors 10 will excuse a Commissioners back. 11 Mr. Chairman, collegeages, and counsel and staff, 12 I really appreciate this opportunity to share some views 13 with you. Sort of a think piece. I know it's a little 14 unusual for a member of a Commission to put on another 15 hat, but when appointed by the Governor, my impression is 16 he appointed all of this Commissioner and not just a part 17 And, one part of that is a person who has been of him. 18 professionally around ships since 1941, who's fate it was 19 to be over at the Torry Canyon spill to draft the first 20 National Contingency Plan for the President. And, so on. 21 And, I've tried to share these ideas as we went along in 22 a variety of ways. One through a set of key questions 23 that you may recall were prepared back in July and the 24 present business, I think was such that perhaps there 25

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wasn't an opportunity to look at all of these. Meanwhile,
I heard a ticking clock. It's the same clock you hear
that has some kind of a deadline you have on it, like
January 6 or whatever it is.

So, rather than bitch about the situation, I 5 decided that perhaps the most professional thing I could 6 do would be to put these ideas down on paper. There's a 7 high risk in doing that, but that's not something that's new to this Commissioner. The main thing is that there was a point of view that struck me as being especially 10 important if this Commission was going to come up with a 11 report that was not to echo some very important recommen-12 dations being made by others. Some of which have been 13 echoing for decades, but also to take a look at the most 14 fundamental question that I believe we are faced with. 15

And, if I could suggest that, Mr. Chairman, it is to understand that the purpose of the transportation of oil by sea is to get it from Port A to Port B both safely and economically. And, I put those two words in that position because there's a very big difference between getting it there safely and economically in my view versus economically and safely.

There are two premises that underpin what I'd like to share with you and the first is that the most critical lesson to be learned from the Exxon Valdez, what I termed

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the wreck of the Exxon Valdez is the emphasis on accident 1 prevention and the second is that the oil transportation 2 system itself is so fundamentally flawed that it is going 3 to be necessary to deal with remedies that are going to match the problem. In no way does this minimize the 5 importance of individual technological fixes as it were. 6 That's the business I've been in over many years. But, I 7 think in this instance we ought to look beyond that and to try to understand first of all that we are dealing with a 9 large technological delivery system, so large, so complex, 10 involving so many different stakeholders that I felt that 11 it deserved a term that makes me shudder a little bit, but 12 I couldn't think of a better one and so I've called it a 13 mega-system. 14

And what we find is that with this mega-system 15 like almost all others, there are risks to some of the 16 participants. What is today socially unnerving is that 17 some of these are innocent by-standers who are exposed to 18 risk without any information as to that exposure, but 19 secondly without the opportunity of consultation because 20 since none of these initiatives is risk free, all involve 21 some kind of tradeoffs and yet those exposed to risk very 22 often don't have the opportunity of participating in that 23 choice. 24

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The second thing that we find about these mega-

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systems is that they are so user friendly that you only
begin to appreciate the full complexity in size when
something goes wrong. A lot of what I have been doing in
the last 19 years has been evaluating technological megasystems, though I certainly didn't use that term until
very recently, and two of them are discussed in trade offs
as you know. The Challenger and Gernoble (ph). They both
follow certain patterns and, my gosh, so does the wreck of
Exxon Valdez.

One of these is that when a system triggers a calamity, all of the components are so agitated, the human components, that we suddenly discover who the stakeholders are and what their mode of thinking, their mind set, is as it relates to all of the circumstances leading up to the catastrophe. And sure enough, I think that's happened in everyone of the examples that we have taken a look at.

There's a measure of this that may sound a little 17 trivial as I report it, but it seems to me we ought to 18 fasten on certain symbols of the situation. Remember if 19 you will, an entire state that was hypnotized with a blood 20 alcohol count. Matter of fact, it wasn't just the state 21 of Alaska. The whole country was for a while. And then 22 a second number, though I don't know how often this was 23 used, but it still was symbolic of what was going on when 24 it was reported that the spill for the first four hours 25

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amounted to leakage of fuel at the rate of 40,000 gallons a minute. And, that begins to blow the mind.

The third number that I believe we paid attention 3 to was a number of miles of beach that were clean although we then had to adopt the euphemism for clean up and so the 5 number of miles of treatment -- the number that I believe 6 we need to fasten on is one that I am embarrassed to tell 7 you is wrong in this paper. So, I will make that correction right away. The number is 2 billion, but it isn't ۵ gallons per year, it's barrels per year of oil that is 10 imported by tanker to the United States. And, I think 11 that's the underlying symbol of why we need to pay 12 attention to the safe transport of oil by ship. Exxon 13 Valdez, it seems to me is a case that could have happened 14 elsewhere certainly on the West Coast, it could have 15 happened in Puget Sound, it could have happened in Long 16 Beach. We know just a few months ago, something similar 17 to this happily at a smaller scale, occurred three times 18 over one week end in the Houston Ship Canal and Delaware 19 Bay and Naraganzet (ph) Bay. And, so we begin to suspect 20 as we uncover more and more numbers that there's a pattern 21 here. 22

In the paper there are two of these that I cite as
evidence that indeed something is amiss. The first
pattern has to do with the history of maritime safety

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where there had been repeated recommendations for correctives to reduce risk year after year, agency after agency,
report after report. Mr. Chairman, you yourself go back
to the long time that the issue of double bottoms has been
on the agenda. And, I think we all know why it is still
on the agenda.

The recent history of maritime safety is pretty 7 much one where neither those who are shipping oil nor 8 those who are expected to be public watch dogs have been 9 doing their jobs. And, it also turns out, I think, that 10 we are finding that even those who might have been 11 expected to watch the watch dogs weren't watching very 12 carefully. And, so what's wrong with the system isn't 13 something where it's satisfactory to simply point at the 14 alcohol level of a Master who was asleep when the accident 15 occurred. But, I think to look more deeply at a pathology 16 of the entire oil transport system. 17

The notion that something's wrong with it goes 18 back a long time, but it took a, of all things, a sociolo-19 gist, writing in a book called "Normal Accidents". Even 20 that title is enough to arouse interest. But, writing in 21 "Normal Accidents" Charles Paroe (ph) identified marine 22 oil transportation as "Error inducing rather than safety 23 And, he chose as one way of characterizing promoting". 24 the system a comparison with air transportation. Now, one 25

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1 can debate whether or not indeed that's exactly what we 2 ought to do if we want to look at the error inducing 3 qualities of oil transportation. But, rather than attack 4 the methodology, if we simply recite some of the elements 5 of this comparison, I think we begin to find that indeed 6 there's a vast difference between the two that the 7 difference follows a certain pattern and therefore we have 8 reason to be seriously concerned.

Those are listed in this paper and I don't, since ٩ time is short and I know you have had the paper in hand, 10 I won't go through those, but I will simply say that when 11 you have a pattern of that sort, it strikes me that 12 prudence dictates an analysis of underlying cause. And, 13 it's here that one can see that if indeed these repeated 14 recommendations to reduce risk have not been heated, year 15 after year systematically, that there is a problem of 16 major proportions and one that I would suggest has to be 17 looked at in terms of those elements of management that 18 have the greatest opportunity to indeed bring about a safe 19 system and which have not. And, I suggest to you that 20 here within the Federal Government, this leads directly to 21 the Whitehouse and to the U.S. Congress. It leads in the 22 State of Alaska and other states to the Governor's Office 23 in the State House. It leads to the Board Rooms of the 24 corporations that are involved. And lastly, it leads to 25

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you and to me, because a concept that I didn't put in the 1 paper, but I've thought about since, is that whereas we 2 may single out these three entities, and I'll talk about 3 that more in just a second, as not having been adequately 4 accountable in my view, all of us are responsible. And, 5 therefore what you find in the remedies that I propose is 6 an attempt to put into the hands of those who are poten-7 tially affected by the operation of a marine oil transpor-8 tation system, mega-system, more information about what's 9 it's doing and more opportunities to have their voices 10 heard. 11

Let me go right to the recommendations themselves and then a word or two about a certain concepts that lie behind them.

The first recommendation is that the President 15 should be empowered by new legislation to be responsible 16 for safe transportation of oil. The interesting history 17 is that maritime neglect in the United States was balanced 18 for a short time by an exceptional interest and initiative 19 by several presidents and vice-presidents and indeed those 20 who are working in the marine technology field look back 21 to what is often referred to as a golden age. An account 22 of this in the book called "The Politics of the Oceans" 23 and the important there is that in the 1950s when all of 24 the energies for research and development and uses of the 25

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sea had been so effectively mobilized during World War II 1 were suddenly found to loose their strength, their vigor, 2 their direction, their accomplishments, their feeling of 3 confidence and an initiative was taken of all things by a group of the National Academy of Sciences, that had the 5 perception to realize that if indeed this was to be 6 corrected it had to be done at the highest level. Their 7 report rendered in 1959 went to the Whitehouse and was 8 sadly turned aside by President Eisenhower's science Q advisor at the time. For a number of reasons that aren't 10 relevant here the point being that this group had an 11 They went to the Congress. And what alternative plan. 12 happened thereafter in the way of new legislation, the 13 Marine Resources and Engineering Development Act that was 14 not passed until 1966, but what happened then was a 15 It gave the President of the United genuine miracle. 16 States the responsibility for leading the band because the 17 President was the only officer who could pull together 23 18 different agencies that had bits and pieces of activity 19 dealing with the oceans. 20

Not only that, but it gave him a policy planning
and advisory counsel in the executive office of the
President. Operating at cabinet level. Chaired by the
Vice-President with a Presidentially appointed staff. The
point being that here was a mandate to do something and a

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will to do it at the highest level of the country and what
happened since is reflected in something like 26 major
statements by two presidents, Johnson and Nixon. 89
different initiatives, a good half dozen major pieces of
legislation, several of which affect the interest of this
Commission.

It's for that reason that I have singled out once 7 more the role of the President to lead the charge. Partly R because he's the chief executive officer. Partly because 9 the medium is message, namely what the president says is 10 important is important. Now, I realize that this is a 11 different president. And, I realize that circumstances 12 are very different than they might have been with the two 13 who took some very important initiatives. 14

Nevertheless, the office of the president has not 15 changed at all and the role that the president can play 16 has been exemplified by indeed President Johnson issuing 17 two specific messages dealing with oil pollution, Presi-18 dent Nixon having two specific messages dealing with oil 19 pollution. President Carter having been involved himself 20 in the tanker double bottom issue. Unfortunately, twice. 21 The first time backing it, the second time backing away 22 But, President Bush has been involved also. from it. 23 Remember, if you will the whole issue of federalization up 24 here revolved around -- or was uncertain for a while until 25

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it was the president himself who, and I have the impression to the Coast Guard's relief, said we will not
federalize this spill.

Now, it turns out that the mechanism for assigning
this type of responsibility to the President is already
there in that Marine Resources and Engineering Development
Act with some very minor amendments that would in my view,
improve the original act by balancing uses of the sea with
the developmental initiative against the notion of
environmental protection and specifically with regard to
the safe transportation of oil.

Now, I'm a realist enough to know that simply assigning something to a president doesn't necessarily mean it is going to happen. And so, in my third proposal there's an action forcing recommendation that the President would prepare and submit to the Congress and annual report. We'll come back to actually gonna draft it in a minute.

The point of this report is once more to indicate 19 National priorities for the safe transportation of oil, 20 It would provide to all who but it does more than that. 21 wish to read such information as casualty statistics of 22 A catalog of oil spills and effecships, their causes. 23 tiveness of clean up. A listing of penalties assessed for 24 major safety violations. The fate of recommendations from 25

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the National Transportation Safety Board which it has been said and this is something that I think staff may want to pursue if indeed there is an interest here, a history of MTSB having a batting average of 80 to 85 percent for it's recommendations to FFA and under 50% of it's recommendations to the Coast Guard.

The last item in this report has to do with the 7 quantities of oil being imported by tanker. And whereas A that would seem to be a bit of a diversion to talk about Q national energy policy, we have to remember that the 10 conserving of energy and the reduced quantity therefore to 11 be imported, because we will be obliged to do this, the 12 reduced quantity to be imported will be automatically 13 reduce the risk. Not in itself, the significant factor, 14 but nevertheless related. 15

Now, we said something about who is going to help 16 the President do this and again there's a piece of 17 machinery already in place. In 1976, there was the Office 18 of Science and Technology Policy was recreated. This was 19 the science advisory's office that was first initiated by 20 President Eisenhower right after the Soviet space shot on 21 October 4, 1957. It was then entirely an office protected 22 by executive privilege of the Whitehouse. Something the 23 Congress was unhappy with and so, it urged and President 24 Kennedy responded by creating an Office of Science and 25

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That, however, was killed in 1973 by Presi-Technology. dent Nixon, reestablished in 1976. It is indeed the staff arm to assist the President in areas of Science and Technology policy. And, incidently, the term technology is used in this legislation and exactly in the way we are using it here today to talk about systems and not just engineering hardware.

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There are two sections in that existing legislation that bear exquisitely what this Commission is about. The first one having to do with preserving, fostering, and 10 restoring a healthful natural environment. And, the 11 second, providing for protection of the oceans and coastal 12 resources. 13

Now, a word or two about people and their involve-14 Earlier we eluded to the fact that we didn't seem ment. 15 to have enough evidence that people were watching the 16 watch dogs and so one of these recommendations is that 17 Federal regulatory agencies that deal with risks from oil 18 transportation should be required to form citizen advisory 19 councils representing each major exposed region who in 20 turn would comment on that agencies performance as it 21 would cited in the president's report. 22

Let me turn to the states. In my view the states 23 have a much more significant role than I think is reflect-24 At least, in what has happened and when we talked ed. 25

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earlier about the watch dogs not watching and I think
there was no question about the role of certain Federal
Agencies, I think the samething can be said to be true of
state agencies. And, particularly as they relate to this
notion of prevention which was the theme that we started
with in the beginning.

Remember if you will, at our last meeting in 7 September there were two senior representatives from the R State, Mr. Loresch and Dennis and I think that we asked 0 them the questions specifically with all of the attention 10 that had been focused on contingency planning and so on, 11 did the state do anything in advance of the spill to 12 consider prevention and what are you doing now. You 13 remember the answers we got? No, the state didn't do much 14 before the spill and yes, we are now beginning to think 15 about it. That's great. But, I think more needs to be 16 done and my recommendation is that legislative authority 17 to deal with the safe transportation of oil be central-18 ized, I don't say form a new agency. There are other ways 19 to centralize this under the Governor, but with specific 20 concern for not only the authority, but the funding to 21 carry out the necessary acts. 22

I go further than that. I suggest that the
corporations whose activities pose significant risk be
subject to strong and explicit safety regulation by the

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States with three parts. The first, treating oil as a 1 hazardous substance and thus subject to all the safety 2 inducing measures that are currently practiced for 3 hazardous substances. Now, I talk from a certain degree of naivete here. I am familiar with certain requirements 5 for the safe transportation of hazardous substances in the 6 state of Washington, and it is my opinion which could be 7 wrong, it's my opinion that these do not apply to the 8 transportation of oil. I think they should be. 9

Secondly, I suggest that carriers be insured at 10 appropriate levels. Notice the weasel wording here. T 11 said appropriate levels. I leave it to others judgement 12 as to what they should be. The Congress, it looks like is 13 going to let the states do this. But, what I am suggest-14 ing here is that whatever that level is that the under-15 writers of that insurance be required to reflect discounts 16 and premiums based on the safety records of the shippers. 17

Thirdly, I suggest that the corporations that do 18 business in the state accompany by high risk have repre-19 sentatives of those affected states on their boards of 20 directors. I realize that's going to create quite a 21 I can fantasize how a state can ask that be done. storm. 22 You couldn't have, there are 30 coastal states if you 23 include the Great Lakes, you couldn't have 30 individual 24 representatives on boards which to be meaningful probably 25

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should have more than 16 individuals anyway. But, there 1 are ways I think to make sure that boards of corporations 2 which are not very carefully supervised in the state of 3 incorporation, that state very often being chosen. We heard Delaware earlier today, that's usually the state 5 chosen. Not having any responsibility to you, the 6 citizen, say of Alaska, when in fact they are doing 7 business here and exposing it's citizens to risk. 8

don't believe that corporations Now, Ι are 9 insensitive to this question. Exxon responded, as you 10 know, recently by adding an environmentalist to their 11 board. We have yet to see whether or not that has changed 12 their corporate culture. But, the point being that 13 corporations, it seems to me, that when they were first 14 created as an instrument of social policy, after all they 15 are chartered by the states, were given the opportunity to 16 do anything individuals do, but not share the respon-17 sibility. Anything individuals do. Someone reminded me 18 recently that corporations do individuals do except make 19 But, I contend that they somehow or other still love. 20 found a way to reproduce. In any event, the crux of the 21 matter is the element of social responsibility does not 22 parallel the element of physical responsibility and 23 therefore my recommendation is that the security and 24 exchange commission that already requires annual fiscal 25

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reporting and their annual 10K filing also require a statement of social responsibility along with a report of any penalties imposed on that corporation for negligence or criminal acts by the firm or it's officers.

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Finally, and this was not in the exact order. Because there might be a tremendous amount of confusion if each state went it's separate way without some degree of standardization of policy, I suggest that groups of states form compacts. Now, I realize that one of the motivations for doing that is to be able to deal with a group with 10 some of the corporate entities and even the Federal 11 Government. All of that it seems to me fits comfortably 12 together. 13

Well, those are the recommendations. Again, this 14 is a think piece, Mr. Chairman. It's been put together 15 with a notion it's far from complete if indeed the 16 Commission finds any of this appealing there's a lot of 17 work for staff to do. It seems to me to back up some of 18 these propositions. 19

But, let me conclude by noting three errors, you 20 might say that we've been through dealing with technology 21 and indeed dealing with marine safety. 22

With technology we have gone -- well, let me deal 23 with marine safety first. 24

We have gone through historically three periods.

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The first one had to do with safety to cargo and to ships 1 themselves. Recall, if you will, that the original 2 requirements for safety were mandated by the insurance 3 underwriters concerned, of course, for protecting the 4 investments that were involved. Historically, you will 5 find only later where safety regulations introduced for 6 passengers, for people. I think that we are now in a 7 third era and all of you on this Commission have touched 8 on this point individually, so I think there is a consen-9 sus here that the time has come to think about maritime 10 safety from the point of view of a broader protection. 11 Not just to property, not just to lives, but to the 12 environment and to the natural heritage. 13

I think that that's an evolution that could be one
of the very good things that comes out of the wreck of the
Exxon Valdez.

But, let me recall finally, another set of three 17 errors that I think are applicable. We have had in this 18 country a love affair with technology. In many respects 19 we still do. It went unquestioned, however, during World 20 War II, and I think we looked at technology to save human 21 lives and we did it with proximity fuses and radars and so 22 But, it was in the early 60's that we underwent a on. 23 Instead of the question, can we do it, major change. 24 which is the kind of question you can adjust to technol-25

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ogy, we went to the question, ought we do it. And that was Rachel Carson in Silent Spring triggering a whole new value system.

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It seems to me that as we look at technology today those two questions are still valid but there's a third And, I think, Mr. one and that is can we manage it? Chairman, the basic issue that this Commission can address uniquely because I have ferried around as best I could in terms of all the other studies that are underway, so far as I can tell there's no one who has been looking at this 10 total system. 11

The interesting thing is I've tried bits and 12 pieces of this paper out on some 14 different individuals, 13 who just as soon would be anonymous, some of them are in 14 fairly senior positions in the federal government, 15 included is an Alaska fishermen, included is retired 16 pilot. Without exception they have said it's the system 17 that's at fault. It's the system that's at fault and Mr. 18 Chairman, I'd like to suggest that this Commission make 19 it's mark in history this way. 20

Thank you for your time and I know -- I don't know 21 how much there is today for questions and comments or I 22 should say rebuttals, but I'd be glad to postpone any of 23 that till tomorrow if you are schedule so suggest. 24

> MR. PARKER: Thank you, Commissioner Wenk.

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Commissioners have anything they wish to say at this time?

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MS WUNNICKE: Oh, just to say, Commissioner, that you've certainly pulled together a lot of things you have already supplied us in our lifetime together. Your book on "tradeoffs" and the various subcontractors who contracted with the Commission at your behest.

7 I would certainly agree that it is the system's
8 failure and agree that it is hearting that environmental
9 affects may someday assume the same stature as the safety
10 of life and property. I'd like to, Mr. Chairman, set
11 forward until tomorrow or even as a part of our workshop
12 the consideration of the recommendations.....

MR. WENK: Oh, of course.

14MS. WUNNICKE:that the Commissioners has15made.

MR. HERZ: I agree.

MR. PARKER: Any objection to that? Okay.
Thank you again.

Peggy, do we have any public testimony? 19 Okay. We have five people signed up for public 20 testimony. Five minutes, please. Annie Young is first. 21 MS. YOUNG: Hello. My name is Annie Young. 22 I am a commercial fishermen from Prince William Sound. I 23 also hold a 100 ton Coast Guard (inaudible) in the process 24 of renewing right now. 25

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My family started fishing in Prince William Sound 28 years ago. I personally, 21 years ago. We have been completely devastated by this. One of the recommendations that I have from the past experience over the last six months is total mismanagement and chaos, ruination of most of the Alaskan Coast, is that we should not have the criminals in charge of rehabilitation of the victim. Exxon has done horrible job. We are facing physical, mental, financial disaster in the future. Plus our pasts have been destroyed. My only son left Alaska three weeks 10 ago never to return. Other members of our families have 11 already left. I'll stay here and fight it forever. Ι 12 will never see this happen again to another community. Ι 13 am so bitter, I don't want to take up your time with that. 14

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I'd like to bring you right now to what is 15 happening right now at Prince William Sound. One of the 16 causes of the accident was the ice problem. Continually 17 getting worse every year in Prince William Sound. Because 18 of the warming of the planet, the further melting back of 19 the glaciers. Now, the glacier is back passed the marina 20 where huge icebergs can come out. It used to not go over 21 the shallow area in front of the glacier -- now they go 22 around behind Emerald Island and come out. 23

These icebergs are a terrible threat to all vessels. The tankers should have some other regulatory

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system there besides anybody that's involved in their
industry or the state or federal government. We should
just have individuals, local knowledge, advisors out there
controlling the situation of the iceberg. They are not
standing to make a dime or lose a dime over the whether
the ship can go or wait till the next tide.

Also, Exxon pulled out way before the job was 7 Not to say it did much good out there all summer done. They wouldn't take any of our suggestions. long anyway. 9 One of the worst problems we fought was all summer long 10 was popweed. The oil kept floating around Prince William 11 They refused to have anything to do (inaudible) -Sound. 12 - pursued, you know, after they pretty much contained the 13 wild oil, then they started trying to bring popweed in. 14 They fired us and refused to have anything to do with 15 accepting this oil popweed. Popweed floats and it's also 16 a very good exhorbant. It picks up the oil and it floats 17 up on the beaches at high tide. 18

19 This is what most of the animals in Prince William 20 Sound live on during the winter. All the deer will be 21 coming down and eating the oiled popweed and dying. Now, 22 we've tried all kinds of meetings to get Exxon to do 23 something about the oil popweed and they never came up 24 with a good plan. We had advisors they hired consultants 25 that came up here from the East Coast in the beginning.

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But Exxon would never listen to the ones that were 1 Finally, resigned in disgust and associated with us. stayed on help the fisherman on his own for a little while before leaving. His plan was to compost the popweed and therefore it would become valuable fertilizer.

It's not like this is over. You are talking about future spill. We are still dealing with the last one. It looks to me like we are going to have oil popweed for future major concern. I have already talked to the University and other groups about trying to research it. 10 Everyone wants to help, but Exxon will not cut loose with 11 the dollars to have any research done on it or even 12 acknowledge that it is existing. 13

We have tried since Exxon pulled out to organize 14 and go out there on our own to collect the popweed, but we 15 still have the same problem. No where to put it. Nothing 16 to do with it. Exxon won't accept it. So, 17

I would like to see this Committee make some 18 recommendations that something can be done in the future 19 with this. It's going to be an ongoing problem. It's too 20 bad that things went this far and now it's winter, there 21 isn't much chance of getting it up this winter. Many more 22 deer will die, eagles and bears will eat them and they 23 will die, too. 24

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But, in the spring I would like to think that we

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could start over again, collecting up this popweed and 1 hauling somewhere where it can be logically disposed of 2 instead of just carried off to someplace else and pollute 3 that place, too. Thank you. 5 MR. PARKER: Thank you, Ms. Young. Where in 6 the Sound do you live? 7 MS. YOUNG: Cordova. 8 MR. PARKER: Have you talked to the people in 9 the state's winter clean up? 10 MS. YOUNG: Sir? 11 MR. PARKERS: Have you talked to the state 12 people involved in the winter clean up? 13 MS. YOUNG: We have and we have been Yes. 14 working with them and we just can't get anywhere with it. 15 Exxon doesn't want to accept it. We brought some into 16 Cordova already. And, it's being stashed there with the 17 fishermen's union, got some of it in some canneries and 18 we've sent some of it to the university in Fairbanks. 19 Small amounts to experiment with. But, the problem seems 20 to be that nothing (inaudible) produced. We don't 21 understand why the gas can't be used as some kind of a 22 heating system, to burn to heat. It has to be heated 23 anyway to -- the gas can be used in some kind of a burner 24 right in the complex to keep it heated. This is just 25

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going to be an ongoing problem and it sounds like we are 1 going to have more spills with the ice conditions and no 2 regulations of the system right now. The tankers are over 3 there doing anything they want, just like they were last We have not any observers out there now. We've year. 5 tried to get observers -- I'm more or less one of those 6 observers on one of the boats, but it's just been one 7 excuse after another why we are not out there. Why the 8 oil companies gotten all their brotherhood up here from 9 Louisiana and Texas. They are out there. They don't know 10 -- we are the ones that know the Sound, the problems, the 11 changing conditions every year. We know the ice is 12 getting worse every year. We know which way it goes with 13 wind and tide. But, yet they bring their brotherhood from 14 up here from outside and leave us out completely. 15

I'm sorry was there any other questions?

MR. PARKER: Okay, thank you. Charles McKee.
Welcome back, Charles.

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MR. MCKEE: Thank you, Mr. Chairman and the 19 rest of the Commission members. My name is Charles McKee 20 for the record and I would like to touch on another 21 subject, of course, I'd like to, when this all done and 22 said remember all the other testimonies that I have 23 brought forth. And, it's basically on the same subject 24 matter, but I have more information for you on that 25

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endeavor.

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I have your newspaper clipping of November 6th and 2 it's about a high risk insurance company. A man has been 3 indited for possibility embesselling 3 to 4 billion dollars. Okay? Now, the reason I bring this forward is 5 this country can't survive without industry. And, there's 6 a policy of the fact that alot of people think that we 7 cannot survive without insurance industry. And, yet, we 8 will survive, but we can't survive without other industry, Q besides from the insurance industry. 10

And yet we are forced to pay for the potential 11 embessellment of money that's secured for. Unfortunate 12 circumstances that we are all brought here today. And, so 13 industry, such as oil industry, is for us to set aside 14 through mandate moneys with an insurance company and then 15 to have this money swindled. Maybe that's why they cut 16 short the clean up date. I don't know whether that's a 17 reason or not, but that might have a significant bearing 18 You know, a billion dollars is a lot of money. on it. 19 They have three to four of them gone. 20

And, so I also in this article I'll read for the record, the financial statements that were brought forward, you know, it says here that the state, you know, the people in charge of all the different states in this country, they were all received as the state regulators.

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Had these records and were so unreliable they shouldn't even be filed. So, that brings in the fact that maybe there's something wrong with our regulator agency in charge of supervising the financial statements that are submitted from the insurance companies in question.

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And, then on the same page, I have here an article 6 from a Wallstreet Journal in reference to one of the 7 individuals, Governor Wayne Angel of Federal Reserve. He 8 was talking about the note and whether it's honest money 9 or not and you'll find that very interesting, because we 10 need notes to pay for the insurance policies or anything 11 else for that matter. They won't take chicken and eggs, 12 and pigs, or nothing like that. No bartering system. 13 Only notes. I'll submit all these (*). 14

And then this article in this magazine. It's call "Insight". It talks about gas, crisis and capacity of gasoline prices. And it talks about Exxon Valdez and they mention in here that the actual spilling of oil was 12.5 million barrels and that came from a JT McMillan (ph), a Senior Vice-President of Exxon.

But, I would like to also bring about the fact that when this occurred it damaged my career, many other individuals career. And within Congressional Act on education, nobody, no industry can impede career. And, through the mismanagement of monies, they impeded careers.

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And, Educational Secretary for this country was in town
 and he told us that we do indeed have public choice. So,
 where is the public choice when the careers are destroyed
 through the mismanagement of the notes. And, the bonds.
 And, the insurance money set aside to cover all this.

And, so for the record, I'll show you the endorsement of this book called "Who Owns America", as well.

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8 MR. PARKER: Okay. Thank you, Charles. Okay.
9 John Grahams. Hello, John.

How are you doing. MR. GRAHAMS: Hi. My name 10 is John Grahams and I was born and raised in Anchorage, 11 Alaska and I was removed from Alaska in 1976 until last 12 year. But, before I left I was quite politically active. 13 And, in one of the things that we did was passed the 14 tanker law that I called "Chancey (ph) Cross Bill" that 15 would have prevented the oil spill. And, this is what I 16 would like to address to the Committee. 17

That we had solved the problem relatively speaking 18 and that it was done in a very democratic way and the 19 whole world is looking to democracy and that's the process 20 that we used in order to let this legislation pass and 21 It was overturned by Judge Fitzgerald which become law. 22 proportedly he had no alternative that it was interstate 23 commerce and that's the reason that he threw the law out. 24 The law was existing and tankers were built with the law 25

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in mind. So, to briefly explain the way this process
worked and what to me the bill was brilliantly conceived
because the state of Alaska was going to underwrite the
insurance for the tankers coming out of Valdez. This was
about 1974 or 75 and it became law, I believe in 1977, and
it was thrown out in 1980.

In the intervening years, by the way, until the 7 oil spill I told people in California, British Columbia, 8 where I lived that the legislature of the State of Alaska 9 passed a very important bill, because these tankers were 10 coming down their coast and that would prevent or help 11 prevent a major oil spill and that would be a real 12 disaster. And, some of these people have subsequently 13 called me after the oil spill and said 'remember when you 14 were talking about that legislation that that Judge threw 15 out'. And, I said, yes. Well, it happened right here in 16 Alaska. 17

The Department of Transportation was just not 18 interested. One of the people, I don't, the Senator from 19 -- Brock Adams was in the Department of Transportation at 20 that time in Carter's Administration, but I don't believe 21 that he said this, but someone from the Department of 22 Transportation said that they didn't know of one tanker 23 crash or wreck that was averted by a double hull tanker. 24 So, that's the mentality that we face with the Federal 25

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Government -- seem not to care. So, the State of Alaska 1 took it on itself and went through this process of 2 hearings and lobbying and everything and passed this law. 3 And, the law was that the more safety features that they had on these tankers, the lower their insurance premiums 5 And, that's -- I mean, you can't improve on would be. 6 that. And, also would have put the State of Alaska in 7 the insurance business and in the Contingency Plan as a 8 reinsurer, which would -- they would have had to pay a lot 9 closer attention to what happen. 10

Now, I realize this is past history, but we are 11 really talking about prevention and after some things 12 happen, it's too late. But, to me when this Judge 13 Fitzgerald, who I know that I served on the Parks and Rec 14 Advisory Board with, and when he got the case I said Oh, 15 Oh, this is and aerial (ph) company judge. And, I just -16 - this is my own personal bias, but I said, "he'll --17 we've lost a very good piece of legislation, there", and 18 sure enough, he did throw it out. 19

Now, there's -- it's interesting to me that the
next judge, the judge that's going to replace Judge
Fitzgerald, his name is Judge Singleton. That's who was
recommended to the Congress to replace Judge Fitzgerald.
Well, the way that Judge Singleton was nominated was -- I
don't like the fact that Judge Moore, in the bar pool, had

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a 2 to 1 positive favorable rating over anyone and all
these people that were up for nominee for this United
States District Court Judgeship. And, he had a 2 to 1
least negative rating. So, what happened to him was that
he was taken before the Judicial Conduct Commission and
that cost him that judgeship.

Now, the thing about the Judicial Conduct Commis-7 sion was that they had a special meeting at the Judicial 8 Conduct Commission where they unanimously voted to senture 9 him or to investigate him and they would act as his jury. 10 Then the Commission invited him to a cocktail party Okay. 11 which was close to the public right after, with all the 12 Commission members and he accepted the invitation. And, 13 he was supposedly influencing, peddling in an organization 14 in a corporation called "City Mortgage". And, his 15 partners in City Mortgage was Clifford Grow, who was on 16 the nominating committee, and Tim Kelly, and Jim Crawford, 17 who's the head of the Republican Party, and Bill Miles, 18 who is a lobbyist. Okay. 19

Now, when I see things like this, that spells to 20 So, that -- we at one time, I me corruption! Okay. 21 thought had a very enlightened, healthly law. Now, 22 because of the oil spill and because that law was thrown 23 out, we are going to have to do it all over again. So, I 24 hope that you will look at some of these things, because 25

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when I remember back we had all the same experts, Congress 1 was involved in it, we are talking the same things, only 2 we just hypothetically were looking at an oil spill. But, 3 if we don't work together on this and that everything is above board and that we practice real democracy here and 5 not have, you know, make decisions or whatever you are 6 going to come up with, that the public will be able to 7 involve themselves and participate and also, that the 8 public knows about everything that goes on here. Then 9 that will make for stronger and wiser decisions and 10 influences on our elected representatives, both in the 11 state and with the Federal Government. 12

And so, I'm hoping the reason that I am speaking here today is that we don't make the same mistakes and that the whatever happens, sees a lot more sunshine and more democratic conclusion.

Thank you.

MR. PARKER: Thank you, John. We just had a 18 review done on 406 by a law professor and her conclusion 19 was that Judge Fitzgerald's findings were pretty sketchy 20 21 Constitutionally and the Attorney General should have challenged it alot more affirmatively than he did. 22 And, 23 that was my feeling at the time, too, so I finally found somebody who agrees with me. 24

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MR. GRAHAM: Well, just to follow up on that.

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It was the speaker -- I mean, the President of the Senate 1 became Dankworth (ph) and Hammond became the Governor. 2 And, so they didn't pursue it into a higher court and I 3 give you a letter to the editor (*)that Tony Kroft has written. 5 Yeah, I say that letter. MR. PARKER: 6 MR. GRAHAM: Yes. And,.... 7 MR. PARKER: Well, we should have pursued it. 8 MR. GRAHAM: Yes. 9 MR. PARKER: It was a case that needed to 10 be.... 11 MR. GRAHAM: Yes, we should have absolute-12 ly.... 13 MR. PARKER:appealed. 14 MR. GRAHAM:should have pursued it and 15 there's remenants from that law that are part of the 16 Contingency Plan and the way the money set aside for the 17 Contingency Plan and so on. 18 MR. PARKER: Okay. Thanks, John. Anybody 19 else? Micheal Brunner. 20 Hi. MR. BRUNNER: I'm a third generation 21 Alaskan born in the territory and I have some comments. 22 The future oil spills are inevitable. And, we 23 24 hold environment in a sacred trust from god, we Alaskans, the people of Alaska are the guardian of our environment. 25 255

Now, Exxon stock value of net worth on the 1 American Stock Exchange is approximately \$5,000 million 2 dollars. 5 billion. Their gross earnings are approxi-3 mately 90 billion dollars last year. Their Contingency Plan was to 1) raise gas prices, 5 2) public relations campaign, and 3) lawyers and protract-6 ed litigation. 7 Number One: raise gas prices. In Californai R alone within one week of the spill prices went from \$.74 9 a gallon to \$1.30. That's \$.26 a gallon. 10 Public Relations. Propaganda on ELF. Economic 11 limit factor. Separate accounting. Alaska and Alaskans 12 suffered a 2.5 billion loss already according to the 13 14 Alaska Public Interest Research Group. That's on separate accounting when our Senator Dankworth got our legislature 15 to go from modified apportionment to separate accounting 16 in 1981. Simply allows oil companies to deduct their 17 worldwide losses and expenses from their Alaskan tax 18 returns before they pay us any taxes period. 19 Number Three. Lawyers and Protracted Litigation. 20 They have not paid any liabilities after 10 years from 21 their Mococadese (ph) Oil Spill disaster off the coast of 22 Now, they are in the process of appealing 100 France. 23 million dollar judgement award. The recent fourth quarter 24 earnings were down only approximately \$150 million. From 25

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their third quarter earnings.

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I submit to you that after they write off their expenses on their 1989 taxes, that they will, in fact, make a profit from the reckless disregard and gross negligence in Prince William Sound.

I propose that this Oil Spill Commission's final
determination and resolution be nothing less than a
recommendation for requirement that all Alaskan oil no
longer be allowed to be shipped by single hull tankers off
our coastline, but my new trans Alaska, excuse me, TransCanada pipeline.

I have a jar of oil from Colross Island off 25 miles approximately from Whittier, Alaska. It's texture is sticky and gooey. It looks like brown liquorice and I swear to God it smells like a fermented outhouse. That this permeates our tide and lands to depths of up to 4 feet. It is not toxic, it is simply poison.

18 Our -- let me read yesterday's paper, just a short
19 paragraph and I'll conclude. It's on the Metro Section,
20 November 12th, Section B, Page B6. "After the spill,
21 lobbyist play a tough house." This is Representative
22 George Miller, Democrat, California, speaking.

This is the oil company, now. Quote "For some
reason there is a group that wants to punish the domestic
oil....", no, this is Congressman, our Congressman for all

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Alaska, Congressman, Don Young. Quote,.... 1 MR. PARKER: I recognize that. 2 "For some reason there is a group MR. BRUNNER: 3 that wants to punish the domestic oil industry," Young said, "go ahead and we will buy more oil from Opec and our 5 old people will become "cold"." That was the industry 6 lines, pure and simple. Pass the strong oil spill bill 7 and oil companies will divest themselves of their shipping Oil will be moved in rust bucket tankers subsidiaries. Q owned by companies with no assets to pay damages for 10 spill. Oil prices will go up. Spot shortages of products 11 like heating oil will occur. But, the house was in no 12 mood to listen. Despite the army of oil industry lobbyist 13 that have been combing Capitol Hill, looking for a little 14 understanding, at one point Congressman George Miller, 15 rose to shoot down the industry's doom and destruction 16 forecast. He said that if the industry really will quit 17 responsibility moving oil by tanker then there are deeper 18 problems in the oil spill industry than the spill bill 19 could begin to fix. 20 Quote, this is Representative Miller of Califor-21 nia, George Miller, "maybe the next amendment we consider 22 should be to nationalize the industry". 23 Thank you. 24 Oh, I have two comments here.... 25

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1MR. PARKER:The Congressman does tend to bring2out....

MR. BRUNNER: I have two comments here. This is
a typical State of Alaska Department of Natural Resources,
Division of Lands, competitive in oil and gas lease
contract. Everybody gets the same contract. Exxon signed
this one.

8 Under Section 20: Lessor shall have the right
9 together with any other recourse available to it to enter
10 on said land to repair damage or prevent waste at Lessee's
11 expense. Okay.

Section 28: Suspension. Lessor, (that's the State of Alaska) may from time to time direct or assent to the suspension of production or other operations or both under this lease. If such action is necessary or justified in the interest of conservation.

Now, finally, the Constitution of the State of 17 Article 8, Natural Resources Leases. This is Alaska. 18 under the Natural Resources Section. Article 8, Section 19 Leases and permits shall provide, among other condi-8: 20 tions, for payment by the party at fault for damage or 21 injury arising from non-compliance with terms governing 22 concurrent use and for forfeiture in the event of breach 23 of conditions. 24

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I conclude that the damages that Exxon has caused

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upon the people of Alaska, that they should none other
than forfeit their lease 25% of the Prudhoe Bay fields.
I conclude that they should take asphalt cleaning
equipment, take every bit of the soil for 700 miles of
coast line, burn out those poisons and hydrocarbons, or
ship that soil south out of this state and stick it in
hazardous waste dumps.

Thank you.

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MR. PARKER: Michael Castro.

MR. CASTRO: If I could, Walter? (Passing out literature).

Thank you, Mr. Commissioner and members of this 12 Commission. I feel honored. I am Mike Castro. I am the 13 President of Alaska Gulf Marine Services and I want to 14 pass onto this Commission that there are some Alaskan 15 One, primarily, our company based here in companies. 16 Anchorage that has been working on looking at new technol-17 ogy and ways in which we may be able to look at our future 18 and tackle catastrophic and implementation of these such 19 programs. 20

Highlighted from today's article, I would like to start out with a point that the Commission has come up with on establishing a monitoring system. Our company developed the system that is now sitting on the Federal Building in Fairbanks which tracks animals, whales, seals,

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etc., for various experiments. It uses the NOAH satellite 1 and I want to commend this Commission that you are headed 2 for the right direction. The comment our staff from 3 research would pass onto to you is 'don't limit that system capabilities to just Prince William Sound and the 5 Cook Inlet'. Allow this system which is highly capable of 6 doing it without a great deal of data collection to map 7 and put that transponder on board everyone of the vessels 8 and as soon as he is in Alaskan waters, we can map him. 9

Gilmore Creek installation monitors all the NOAH 10 data and every 30 minutes according to our experiments, 11 which our company did during the spill, our accuracy was 12 consistently within 150 feet. That may not be as ac-13 curate, but as the GPS satellites go up, now that the 14 airforce has finally gotten away from the shuttle, the 15 accuracy will increase and the mapping capabilities is 16 right on the threshhold. Your suggestion for a state 17 mapping system to keep track of tankers is actually right 18 on the money. 19

A test, the only thing that we would say is we
would like to compete against DCO for that type system,
because there's a lot of money in there.

23 Second point, implementing the training programs
24 for the ship crews and spill contingency. We have
25 developed for Prince William Sound a master vessel plan

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that is described in these phamplets when you get a
chance. And, we believe that this vessel, called the
"Wave Piercer" is the next quantum leap in oil skimming
capabilities.

Where we come from is a very basic rule. Α 5 traditional hull displaces 60% of the oil that that vessel 6 That means 40% is available to be is being used in. 7 captured in the skimmer. Right away you are at deficit. 8 Most skimmers, when you study them in their perfection, ٩ and I am talking about the very, very, good ones out of 10 Norway, are still at best 60/40% water/oil relationship. 11 And, in some cases 50/50. We need to get away from that 12 particular element and again our particular system tackled 13 that particular problem. No displacement, the minimum 14 amount of displacement hull in the way and we look at the 15 oil as a floating object and not as an object that has got 16 to be picked up. We waste the oil into a vacuum system 17 and combination and onboard she comes. 18

19 I'll give you some statistics in a minute that20 makes that rule a little easier.

But, our plan we believe should not be based solely in Valdez. We think that plan if flawed. We think Cordova, strategically, Whittier, strategically, and Valdez when we look at Prince William Sound are ideal locations for both training of crews as well as manipula-

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tion in bad weather and all weather conditions when you study that to advance a high volume type capacity system into the Prince William Sound.

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Same likewise when we looked at your model and we 4 did participate in your paper presentation to Mr. Commis-5 sioner Parker at the club and we are pleased that the 6 model is moving forward. We agree with that model. We 7 believe that a vessel like the Wave Piercer should be 8 stationed in Cook Inlet in two locations. Kenai and 9 Again, spreading that training capabilities, Homer. 10 knowledge of the currents and icing conditions. It gives 11 us more flexibility. 12

Structural improvements. We are also a believer
of double hull, double copper type systems as you do, Mr.
Commissioner, and have preached for many, many years. Our
Apollo vessel that has a hazardous waste incineration
vessel that we own is such.

We know that those techniques work, we know that 18 fire systems such as nitrogen forced into that system will 19 work and prevent any hazards. Our research we would like 20 to say that you not only are headed the right direction, 21 but our research shows that we can stop a castostrophic 22 oil spill with the present tankers by applying a super-23 sucker vacuum system to a universal manifold that is not 24 presently on the tankers, but could cheaply be employed 25

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and our test show without collapsing the internal hole or 1 the tanks we could pull one and half inches of vacuum on 2 that tank that's leaking and stop anymore of the oil from 3 leaking from the vessel getting us more time to deal with it. And, that's an objective that we think our research 5 shows that is possible in today's technology. 6

That supersucker could be sitting in a landbase facility and helicoptered out and lowered onto the deck very quickly and quickly connected to a universal manifold that we insist the tankers have and then pull that 10 operation, including the manifold would attack all 11 or 11 12 of the large tanks that were on board the Exxon Valdez. 12

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So, those improvements we agree that you are 13 headed the right direction, but we have those suggestions. 14

Substantial improvement in the clean out. We 15 think there is not boom. I want to repeat this. There is 16 no boom to date and there has been many, many papers that 17 we would like to share with you over that have been 18 reported to oil spill commissions over the years, includ-19 ing the last year, that will deal with surrounding a 20 tanker and holding the oil in. We do have and we are 21 working on a structure that will magnetically attach 22 itself to the vessel and deal with the castostrophic leak 23 24 from a vessel that has gone aground. We will be glad to provide that to the Commission on how that is proceeding 25

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on a later date.

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2 Some statistical information we would like to pass 3 onto you when you are dealing with skimmers that seem to 4 come about and, of course, are statistical data shows, 5 based on your models and our models, that indeed fact 6 32,222 gallons per minute was leaking from the Exxon 7 Valdez if we average all the reports out. This is a 8 tremendous amount of oil as you well know, that has to be 9 dealt with.

This will cause a slick of 2" in thickness that a 10 wave piercer type vessel could indeed fact tackle. If we 11 talk about how our skimming capacity was modeled a 2" 12 slick with a GPM of 31,416 gallons per minute would 13 require a vessel with 125 tons travelling at 8.4 feet per 14 second. Okay. Now, if you study all booms that have been 15 deployed presently in Prince William Sound and what was 16 used out there you will find that no system to date has 17 exceeded .6 knots. 18

So, it doesn't matter what they put on data plates or what the capacity of the skimmers are that they are deploying if the method of the "j" formation a diamond formation or "u" formation is deployed, it still cannot capture what's on the data plate of the skimmer. We need to look at three major formulas. The vessel displacement, the total amount of oil that it's dealing with in capacity

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and the capacity to be near 1 to 3 percent maximum 1 oil/water ratio. 2 Once you have accomplished that, then indeed fact 3 one can look at the catastrophic oil conditions. 4 That's all the kinds of comments we'd like to make 5 at this time, Mr. Commissioner, and Commissioners and I 6 would answer any questions, if you have any. 7 Thank you, Mr. Castor, it's nice MR. PARKER: 8 to encounter someone who is working so hard on improving 9 the State of the Art. 10 Others have any questions? 11 Mr. Chairman, the cost of the MS. WUNNICKE: 12 universal manifold that you mentioned. What's the 13 approximate cost of the installation of the installation 14 universal manifold that you..... 15 Under \$6,000.00 is what we show. MR. CASTOR: 16 There is some variables when we look at some of the 17 midsize tankers, but the super tankers in that range and 18 it should take no more than probably two days to attach. 19 We could have transponders on board all the tankers in 20 less than 90 days by attaching them. It's a two day 21 process if you are looking at the transponder mapping 22 system as they leave. They could be installed while they 23 are loading it at the terminal and it wouldn't take but a 24 very short period of time. We'd be on the air with 25

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1	identification. That includes emergency coding. There's
2	a 32 bit word available that allows you a multiple host of
3	coating and one of them could be emergency.
4	MR. HERZ: How many channels, how many
5	vessels can you track simultaneously?
6	MR. CASTOR: It's endless right now. The
7	frequencies are split at .0002. That data is split right
8	now on a right now 400 Mhz frequency, 800, 1200 and 900
9	mhz is available. So, it's unlimited to answer your
10	question. Gillmore can track in the computer capacity.
11	Argos (ph) is the Frency instrumentation group out
12	of the east coast that have done this for years. We
13	collect the data at Gillmore and then, of course, you can
14	purchase your own down link which we did at the Fairbanks
15	insulation for the U.S. Fisheries and Wildlife for their
16	studies. And, we had a demonstration of one over in
17	Kodiak during the oil spill. They are very, very small
18	units. A 1.8 meter dish and a desk top computer. We line
19	it up and once it's on line it is all automated.
20	We faxed the coordinates of the vessels that we
21	were tracking to several places including the Command
22	Center in Valdez. We found that tooled one center and
23	then you could fax it all and you've got it. That was
24	without mapping. Then one could take the coordinates and
25	go to a pin map, if you wanted to, and stay there. But,

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you can go to the next step, which is take the coor-1 dinates, speed it into a mapping system and plot it based 2 on your fixed geographical base which is our coastline. 3 MR. PARKER: Okay. 4 MR. HERZ: Thank you. 5 MR. CASTOR: Thank you. 6 MR. PARKER: Okay. Thank you very much 7 everyone for coming. There will resume tomorrow here at 8 9:00 a.m. 9 We are recessed until then. 10 RECESSED. 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 268

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