

# EXHIBIT B

**In The Matter Of:**

*THE CITY OF NEW YORK, ET AL v.  
EXXON MOBIL CORPORATION, ET AL*

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**Word Index included with this Min-U-Script®**

111 and unbranded distributors, is that right?  
 112 A. That's correct.  
 113 Q. You did that in an attempt to in part alert them to the  
 114 environmental dangers of gasoline releases from underground  
 115 storage tanks?  
 116 A. That was correct.  
 117 Q. In 1984 and 1985 your colleagues at Exxon approved the use  
 118 of MTBE in gasoline, is that right?  
 119 A. That would be correct.  
 120 Q. At the time your department identified MTBE as an  
 121 additional risk, environmental risk, to gasoline, correct?  
 122 A. We were aware of the risk because it was in the  
 123 distribution system, that's correct.  
 124 Q. But you understood, did you not, that adding it to Exxon's  
 125 gasoline would result in an incremental environmental risk  
 because of MTBE's properties, correct?  
 127 A. If it leaked into the -- incremental risk as you're saying  
 128 and I'm saying. It was already in the distribution system by  
 129 other companies, and it would be an incremental risk if it was  
 130 discharged into the groundwater.  
 131 Q. Discharges into the groundwater you were aware at the time  
 132 certainly were occurring at gasoline stations all over the  
 133 country, correct?  
 134 A. I didn't know. I can't say all over the country. But I do  
 135 know that there were instances of gasoline tank leaks.

136 Q. At the time, sir, weren't almost three-quarters of the gas  
 137 stations in the country owned by small independent businesses  
 138 as opposed to large oil companies?  
 139 A. I'm not aware that statistic, but I will confirm that there  
 140 are independently owned service stations, that is correct.  
 141 Q. At the time there were, and there were a lot of them, isn't  
 142 that right?  
 143 A. I don't know what "a lot of them" means. But I will say I  
 144 will agree with you that there were independent operators.  
 145 Q. You were aware at the time, and you told us in fact, that  
 146 Exxon's tank upgrade program was ahead of the rest of the  
 147 industry, correct?  
 148 A. We believed it was.  
 149 Q. At the time there were independents' and other companies'  
 150 gas stations that had not been upgraded, isn't that right?  
 151 A. That's correct.  
 152 Q. In fact, there were a lot of steel tanks still in the  
 153 ground, right?  
 154 A. Yes, there were.  
 155 Q. In fact, when the EPA regulations that you were talking  
 about came along in 1988, EPA gave gas station owners ten years  
 to upgrade their tanks, didn't they?  
 157 A. You're isolating one part of what the EPA regulations said.  
 They also --  
 159 Q. Didn't they give them ten years --

111 THE COURT: One at a time. Was it part of what they  
 112 said?  
 113 A. It was part of what they said. I'll emphasize that.  
 114 Q. It was ten years, correct?  
 115 A. That's correct.  
 116 Q. So it was until December 1998, wasn't it?  
 117 A. Yes.  
 118 Q. That was for upgrading existing single-walled steel tanks  
 119 that had been in the ground, correct?  
 120 A. The term "upgrading" to me means cathodic protection or  
 121 interior lining. It does not include replacement or some of  
 122 the other factors that were in the EPA regulations.  
 123 Q. Sir, weren't tank owners of steel tanks that were in the  
 124 ground, existing tanks, as of 1988, when the regulations were  
 125 adopted, given ten years before they had to replace those  
 126 tanks?  
 127 A. On the condition that they followed other parts of the EPA  
 128 regulations.  
 129 Q. That's right. That included things like leak detection,  
 130 didn't it?  
 131 A. That included leak detection, you're right.  
 132 Q. Leak detection wasn't required, even by inventory  
 133 verification, until years after the implementation of the  
 134 regulations, isn't that right?  
 135 A. My memory tells me that they were required to have

111 inventory control the day that the regulations were  
 112 implemented.  
 113 Q. Let's take a look.  
 114 MR. SACRIPANTI: Your Honor, are we going to go  
 115 through EPA's regulations with this witness?  
 116 THE COURT: I don't know.  
 117 MR. SHER: We're going to look at tab 3, please. Liz,  
 118 if you could bring that up. This is PL5524.  
 119 Q. Sir, you're familiar with the implementing underground  
 120 storage tank regulations that were adopted by the U.S. EPA in  
 121 1988?  
 122 A. Yes, I was.  
 123 MR. SACRIPANTI: Your Honor, I would note an  
 124 objection. This document speaks for itself. He can read from  
 125 it if he likes. Is he asking this witness to read from the  
 126 regulation?  
 127 THE COURT: I don't know yet. All I know is he is now  
 128 asking whether he is familiar with it. He clearly was  
 129 familiar, because a minute ago he said, oh, that was just part  
 130 of the regulation. This business about ten years, he said that  
 131 was just part of it, there are other requirements. It sounded  
 132 like he knew the 1988 regulation pretty well.  
 133 MR. SHER: Thank you, your Honor.  
 134 Q. In fact, Mr. Curran, you testified that certain provisions  
 135 of Exxon's program were also adopted by the U.S. EPA in these

111 regulations, didn't you?  
112 A. Yes.  
113 Q. You showed us the chart?  
114 A. Correct.  
115 Q. You didn't tell us then that, for instance, with respect to  
116 upgrading underground storage tanks, there was a ten-year  
117 phase-in, did you?  
118 A. That was to permit the industry to upgrade their tanks over  
119 a ten-year period, that's correct.  
120 Q. If you will turn, please, to the third page of the  
121 document?  
122 THE COURT: Is that had 083 or 084 at the upper  
123 left-hand corner?  
124 MR. SHER: 083.  
125 THE COURT: Upper right-hand corner. Look in the  
126 upper right-hand corner. Do you see 37083? Keep going.  
127 You're not in tab 3. I'm sorry. Tab 3.  
128 THE WITNESS: Tab 3, all right.  
129 THE COURT: It's about the third page in, 37083.  
130 THE WITNESS: Got it.  
131 THE COURT: Good. I think he is on 37083.  
132 MR. SHER: Thank you, your Honor.  
133 Q. With respect to the heading --  
134 MR. SACRIPANTI: Can you employee that up, please.  
135 THE COURT: Do you see in the right-hand column, B,

136 Q. Then, third, the EPA states, "Most of the facilities to be  
137 regulated are owned and operated by very small businesses,  
138 essentially mom-and-pop enterprises not accustomed to dealing  
139 with complex regulatory requirements." Do you see that  
140 statement?  
141 A. I do.  
142 Q. Sir, at the time of all of your work with the API and the  
143 EPA that you have been describing in your testimony, were you  
144 aware that most of the facilities to be regulated for petroleum  
145 by underground storage tanks were owned by mom-and-pop  
146 operations?  
147 A. I was aware that a very high percentage was. I don't know  
148 how much "most" means, but yes, there were a significant number  
149 out there.  
150 MR. SHER: Liz, could you skip forward --  
151 MR. SACRIPANTI: For completeness --  
152 THE COURT: Do you want to read the fourth?  
153 MR. SACRIPANTI: Please.  
154 THE COURT: "Fourth, numerous technological  
155 innovations and changes are now under way in various sectors of  
156 the UST system service community." You see, that right?  
157 THE WITNESS: I see it.  
158 THE COURT: And agree with it?  
159 THE WITNESS: I agree with it.  
160 Q. Those were in progress as of 1988, isn't that right?

161 "operating principles"?  
162 THE WITNESS: I've got it.  
163 Q. Sir, the statement is, "First, the regulated universe is  
164 immense, including over 2 million UST systems estimated to be  
165 located at over 700,000 facilities nationwide." Based on your  
166 experience with Exxon and the API during the period that you  
167 were employed with Exxon, you were familiar with the number of  
168 underground storage tanks around the country?  
169 A. There were many estimates made, and this is as good an  
170 estimate as any.  
171 Q. EPA continues, "Second, over 75 percent of the existing  
172 systems are made of unprotected steel, a type of tank system  
173 proven to be the most likely to leak and thus create the  
174 greatest potential for health and environmental damage." Do  
175 you see that statement?  
176 A. Yes.  
177 Q. Were you aware of that at the time in 1988 when these  
178 regulations were adopted?  
179 A. The estimate, the 75 percent, I don't know if it's  
180 accurate, but it's a good estimate.  
181 Q. Certainly you were aware of the similar number and  
182 distribution of unprotected steel tanks in the ground in 1985,  
183 when your company decided to add MTBE to gasoline, isn't that  
184 right?  
185 A. The population is as stated.

186 A. They were in progress.  
187 MR. SHER: If we could skip forward, Liz, to page  
188 37096.  
189 Q. Mr. Curran, it's in the upper left-hand corner.  
190 A. I've got it.  
191 Q. Are you there? I want to direct your attention to the  
192 highlighted part at the bottom of the first column and  
193 continuing up.  
194 THE COURT: Sorry. Which page this?  
195 MR. SHER: 37096, your Honor.  
196 THE COURT: 096?  
197 MR. SHER: Yes.  
198 THE COURT: I wasn't there. I apologize. Now I am.  
199 MR. SACRIPANTI: I'm sorry, your Honor. This begins  
200 with a third problem. I assume there is a first and second  
201 problem.  
202 THE COURT: Yes. I assume there is.  
203 MR. SACRIPANTI: Are we going to read that?  
204 THE COURT: Not necessarily.  
205 MR. SHER: This goes to the issue of who owns the  
206 underground storage tanks that we were talking about.  
207 Q. EPA stated, "A third problem is the nature of the regulated  
208 community. A large proportion of USTs are owned by small  
209 businesses with \$500,000 or less in total assets. For example,  
210 72 percent of all retail motor fuel outlets are owned by small

111 businesses." Do you see that statement?

112 A. I do.

113 Q. Any reason to disagree with it?

114 A. No. But how do you define small businesses? NOJC, the  
115 National Convenience Store Association, and so on, they may be  
116 small businesses compared to major oils, but they are still  
117 very -- they have money. They are operating businesses that  
118 are earning money.

119 THE COURT: The statement here, I don't know if you  
120 agree with it or not, was that small businesses with half a  
121 million dollars or less in total assets. So there is a  
122 definition by these folks.

123 Q. Sir, you would free with me, would you not, that piping is  
124 an important source of releases at gas stations along with the  
125 tanks themselves?

126 A. At one time piping was a major source of leaks in the tank  
127 and piping systems.

128 Q. Thanks for the clarification. During the period that we  
129 are talking about, which is your employment with Exxon, piping  
130 was a major source of releases, correct?

131 A. And also piping leak detectors were developed to prevent it  
132 from being a major source of leak detection in 1971. I don't  
133 know how far back you're going, but I can tell you in '71 there  
134 was a leak detection method available and used by industry and  
135 required by the National Fire Protection.

111 detection systems. Maybe the EPA wasn't aware of it.

112 Q. Let's go to page 37095. EPA wrote, "Estimates indicate  
113 that roughly 75 percent of existing UST systems are unprotected  
114 from corrosion." This is as of 1988. Do you disagree with  
115 that statement?

116 A. That's probably correct.

117 Q. At the time that Exxon put MTBE into gasoline in 1985, is  
118 it fair to say that it was aware that 75 percent of the tank  
119 population into which gasoline containing MTBE would go were  
120 single-walled steel tanks unprotected from corrosion?

121 MR. SACRIPANTI: I would object, your Honor. He is  
122 saying 75 percent where gasoline would go as opposed to Exxon  
123 gasoline. The implication is it's Exxon gasoline in 75 percent  
124 of those tanks. That's the question.

125 THE COURT: To the extent that that objection makes  
126 some sense, can you rephrase, Mr. Sher?

127 MR. SHER: Yes.

128 THE COURT: I see the first sentence that estimates  
129 indicate that roughly 75 percent of all existing underground  
130 storage tank systems are unprotected from corrosion. You agree  
131 with that, right?

132 THE WITNESS: I agree with that.

133 THE COURT: All right. What is your next question  
134 based on that?

135 Q. Mr. Curran, you were aware from your familiarity with the

111 MR. SHER: I move to strike as nonresponsive, your  
112 Honor.

113 Q. My question, sir, is whether piping was a source of  
114 releases along with the tanks themselves during the period that  
115 you were employed at Exxon.

116 A. If you have taken the word "major" out, I'll agree with it.

117 Q. Do you have an estimate of what percentage of releases came  
118 from piping as opposed to tanks during that period? Let's  
119 restrict it to the 1980's.

120 A. What period are we talking about?

121 Q. The 1980's.

122 A. The 1980's. Piping leak detectors were required in  
123 pressurized piping systems since the early '70s by the fire  
124 regulations which are incorporated into the building code. So  
125 it was getting to the point where piping was no longer the  
126 major source of leaks.

127 Q. Let's go to page 37088 of the document we have just been  
128 looking at, the right-hand column, the bullet that is  
129 highlighted. EPA stated, "Most releases do not come from the  
130 tank portion of UST systems, because piping releases occur  
131 twice as often as tank releases. Spills and overfills are the  
132 most common causes of releases." Do you disagree with those  
133 two statements as of the period in the 1980's when this was  
134 published?

135 A. Yes, I do, because advances had been made in piping leak

111 oil industry at the time that Exxon gasoline would end up  
112 ultimately in, for example, unbranded distributors' tanks.  
113 correct?

114 A. A relatively small portion. Exxon refineries were  
115 concentrating their capacity on servicing Exxon facilities.  
116 But when they overproduced, they would sell some in the  
117 wholesale market.

118 Q. Sir, you were aware that Exxon gasoline containing MTBE  
119 would end up in unbranded distributors' tanks once Exxon  
120 started adding MTBE to its gasoline, isn't that right?

121 A. It would happen.

122 Q. With respect to that population, isn't it more likely that  
123 it would include a high percentage of unprotected steel-walled  
124 tanks?

125 MR. SACRIPANTI: Objection, your Honor. I don't think  
126 this witness is qualified to make that hypothetical.

127 THE COURT: I think he is based on the EPA statement,  
128 if he agrees with it. If the material was going to end up in  
129 unbranded stations, wouldn't most of the underground storage  
130 tank systems in those stations be unprotected from corrosion?  
131 That's the simple question.

132 THE WITNESS: It could happen. We don't know sitting  
133 here today that that was the case, but it could happen.

134 Q. Let me give you a different binder so that I don't have to  
135 keep troubling defense counsel for help.

111 THE COURT: Mr. Sher, are you going to take yourself  
112 to the podium soon? Mr. Sacripanti can't see through you.  
113 He's tried to see through you. But as clever as he is, he  
114 hasn't figured out how to do that.

115 MR. SACRIPANTI: I'm working on it.

116 THE COURT: I know. Now, there would be a good  
117 invention.

118 Thank you, Mr. Sher.

119 MR. SHER: My intention was not to block Mr.  
120 Sacripanti's view, but to keep my materials with me.

121 THE COURT: I know. Thank you.

122 BY MR. SHER:

123 Q. Mr. Sacripanti asked you, Mr. Curran, whether Exxon took  
124 responsibility for the release at East Meadow, New York. Do  
125 you recall that testimony?

126 A. Yes.

127 Q. They were sued, weren't they?

128 A. I described how big it was, 50,000 gallons.

129 Q. Yes, sir, it was a large release. But Exxon got sued  
130 there, didn't it?

131 A. Exxon got which?

132 Q. Sued. They were taken to court?

133 A. Yes, they were sued.

134 Q. So when you said that Exxon stepped up to that, you meant  
135 that they ended up paying a settlement in that case, didn't

111 it was not a general -- I won't agree that that's a general  
112 statement.

113 Q. Let's take a look at tab 8 in the binder I just handed you.

114 This is PL323. This is a copy of a document that Mr.

115 Sacripanti asked you about that you wrote. Do you recognize  
116 the document?

117 A. Yes, I do.

118 Q. It describes the number of tank leaks compared to the  
119 number of Exxon-owned tanks and comes up with a percentage of  
120 leaks. Do I have that right?

121 A. We looked at this document earlier.

122 Q. Yes, we did. I'm just confirming that I have my  
123 understanding of it correct. Do I?

124 A. That's fine.

125 Q. Was it right that it compares the number of tank leaks to  
126 the number of Exxon-owned tanks for various years?

127 A. No, it doesn't. What it compares is the number of tanks  
128 that had failed the Kent-Moore test. And further on down in  
129 the letter it describes that a failure of a Kent-Moore test, a  
130 tank tightness test, does not mean that there was a discharge.

131 Q. In fact, you concluded while you were still at Exxon that  
132 the Kent-Moore test was not a reliable test for tank tightness  
133 testing, didn't you?

134 A. It, like a lot of other test procedures -- and it can be  
135 the butcher scale in a grocery store -- is not perfect. The

111 you?

112 A. Exxon stepped up to it and paid the settlement in the case,  
113 did not fight it.

114 Q. There were also regulatory enforcement actions by state and  
115 federal officials in connection with that case, weren't there?

116 A. The local Health Department was the agency that worked with  
117 Exxon in that case.

118 Q. Sir, by 1990, in your experience and knowledge, weren't  
119 there more than a hundred Exxon stations in New Jersey alone in  
120 which MTBE had been detected in groundwater?

121 A. That's a statistic I haven't seen.

122 Q. You were aware that after MTBE was introduced into Exxon  
123 gasoline, it showed up in groundwater at Exxon stations?

124 A. I was aware that MTBE was showing up in groundwater at  
125 Exxon stations because Exxon's product before MTBE was added  
126 was being contaminated in the pipeline system and the tanks and  
127 in the barges. That was happening.

128 Q. It happened after your company added it to the gasoline as  
129 well, didn't it?

130 A. It would have to, because it was already in the system.  
131 You couldn't purge it out.

132 Q. Leaks and spills at Exxon gas stations continued to occur  
133 even after Exxon's tank upgrade program was completed, isn't  
134 that right?

135 A. I'm sure there had to be some failures along the way, but

111 EPA, in their testing of the tank tightness testing procedures  
112 by Kent-Moore and others, found that there was a 95 percent  
113 probability that it would claim there was a leak when there was  
114 no leak, and then there is also a probability that it would say  
115 there was no leak and there was a leak. So it's like any test  
116 procedure. They are not absolutely perfect.

117 Q. But this particular test procedure was found to be one of  
118 the poorer test methods and was not able to achieve the EPA's  
119 0.1 gallons per hour test criterion, isn't that right?

120 A. I'm not aware of that, because it's being used today and it  
121 meets the EPA regulations.

122 Q. Sir, do you recall that your deposition was taken in 2000?

123 THE COURT: You know what a deposition is, right? A  
124 pretrial under-oath questioning. Do you remember that, sir,  
125 back in 2000? A bunch of lawyers in the room? Mr. Curran?

126 MR. SHER: She is asking you, Mr. Curran.

127 THE COURT: Do you remember that, the deposition?

128 THE WITNESS: I don't remember. I've had several  
129 depositions.

130 THE COURT: But you remember being deposed, yes?

131 THE WITNESS: Yes.

132 Q. I direct your attention to page 65 of that deposition. You  
133 were under oath at that deposition, isn't that right, just as  
134 you are today?

135 A. OK, yes, I was.

111 Q. You were asked on page 64, the previous question, "How is  
112 it that a tank could test tight but it turns out when further  
113 testing was done the gasoline involved was identified as  
114 Exxon's?"

115 You state, starting on line 21, "And the Kent-Moore  
116 test, although at the time was believed to be a dependable  
117 test" --

118 MR. SACRIPANTI: Your Honor, for completeness, may I  
119 ask that the entire answer be read, please?

120 MR. SHER: I'm happy to read the entire answer.

121 THE COURT: Fine. Can you start again, though. You  
122 were interrupted in the middle of the question.

123 MR. SHER: Thank you, your Honor.

124 Q. "How is it a tank could test tight but it turns out when  
125 further testing was done the gasoline involved was identified  
126 as Exxon's?"

127 "A. This was in 1980 that the well was contaminated. And this  
128 report doesn't say how the tanks were tested to determine if  
129 they were tight. But if they were using the most credible test  
130 method available at that time, it would have been the  
131 Kent-Moore test, what was known as the Kent-Moore test, which  
132 is a pressure test.

133 "And the Kent-Moore test, although at the time was  
134 believed to be a dependable test method and could detect a leak  
135 up to .05 gallons per hour, was later proven during the EPA

131 Q. Let's return to PL323. Your testimony was that the number  
132 of tank leaks listed is actually the number that failed the  
133 Kent Moore test. Is that right?

134 A. That's correct.

135 Q. And so we don't know whether those tanks were leaking or  
136 not, correct?

137 A. That is a flat statement that I can't agree with. I did  
138 not in the Year 2000 say that the test method didn't tell you  
139 whether the tank leaked or not. I told you that it wasn't  
140 infallible, it was less accurate than we thought it was. That  
141 doesn't say that it wasn't working.

142 Q. My question is about your document in 1986. By the way, by  
143 1986 did your company know that the Kent Moore method was  
144 unreliable?

145 A. I don't recall.

146 Q. In any event, what this document reflects are the numbers  
147 of failures of the Kent Moore test as distinguished from actual  
148 no leaks. Am I right about that?

149 A. Yes, that's correct.

150 Q. And because we now know that the Kent Moore test was  
151 unreliable, we don't know how many of the ones of the tanks  
152 that passed the Kent Moore test were actually leaking. Isn't  
153 that right?

154 A. We don't know exactly how many weren't or were leaking,  
155 that's correct.

111 round-robin testing of all available test methods at Edison,  
112 New Jersey, by an outside contractor that it could not nor  
113 could almost any other test method available test to that  
114 degree of leakage. And as a result, the EPA changed the  
115 leakage criteria, test rate criteria, to 0.10 gallons per hour.  
116 But this particular test method was found to be one of the  
117 poorer test methods and could not achieve a 0.10 gallons per  
118 hour test criteria."

119 MR. SHER: Do you want me to keep reading?

120 Q. "And also it was found that the false positive criteria  
121 that was established by EPA was not being met. So the bottom  
122 line is that in 1980, although we believed we had the best test  
123 method that was available, we found later, some ten years  
124 later, that the test method that we were using and the industry  
125 was using was, first of all, relatively undependable and,  
126 secondly, couldn't detect as small a leak as we thought it  
127 could. So it could conceivably test tight but later in  
128 observation showed where there was a gasoline leak."

129 Do you agree with that testimony today?

130 A. My memory was better in the year 2000 than it is in the  
131 year 2009. I will have to say that what I stated here is  
132 probably accurate. And I have to say that the bottom line is  
133 that in 1980, although we believed we had the best test method,  
134 we found ten years later it wasn't the best method.

135 (Continued on next page)

111 Q. Let me ask you about a page in this document that is Bates  
112 numbered ending in 78. Take us there.

113 Now, I notice that the column with the numbers of tank  
114 leaks has the same numbers we were just looking at on the table  
115 with the first page at the top. These would be the number of  
116 tanks that failed the Kent Moore test, correct?

117 A. Yes.

118 Q. What does NA mean in the column tested for leaks?

119 A. "Not available."

120 Q. We don't know how many tanks were tested for leaks in those  
121 two years. Is that right?

122 A. Exxon had over 300 field engineers, had over 12,000 well  
123 facilities, over approximately 50,000 underground storage  
124 tanks, and we did not and we were at that time learning how to  
125 gather this kind of data. We didn't have it.

126 Q. For those two years you didn't have the data about the  
127 number of tanks that were actually tested compared to the  
128 number that showed that they had failed the Kent Moore test,  
129 correct?

130 A. That's correct.

131 Q. In the years 1984, 1985, you tested 891 tanks -- let's take  
132 1984 first. In 1984 out of the 25,300 tanks then owned by  
133 Exxon, you tested 891, and 235 of them failed the Kent Moore  
134 test, correct?

135 A. Correct.

121 Q. So of the number of tanks that you tested, 26 percent  
122 failed the Kent Moore test. Is that right? I am looking at  
123 the last column.  
124 A. Yes, I understand. Yeah, that was the number of tanks that  
125 had failed the test, that's right.  
126 Q. So one in four of the tanks that you tested that year  
127 failed the test, correct?  
128 A. Correct.  
129 Q. At the time that was your best indicator of whether a tank  
130 was a potential leaker, correct, the Kent Moore test?  
131 A. Of the tanks that were tested, is that the way your  
132 question is?  
133 Q. Yes.  
134 A. Of the tanks that were tested, that was the best indicator  
135 we had.  
136 Q. In 1985 you tested 948 tanks out of the 23,100 then owned  
137 by Exxon and found 240 of them failed the Kent Moore test,  
138 correct?  
139 A. Correct.  
140 Q. Again about 25 percent, correct?  
141 A. Well, I think the number is -- yes, okay.  
142 Q. I am looking at the 25 in the right-hand column.  
143 A. That's correct.  
144 Q. Now, Kent Moore testing was actually the second step in  
145 your leak detection program, wasn't it?

121 question.  
122 BY MR. SHER:  
123 Q. Mr. Curran, in your experience, weren't there undetected  
124 releases that wouldn't be found until they were discovered on  
125 an adjoining property?  
126 A. Early on there were occasions when gasoline fumes or some  
127 other reason triggered concern that the gasoline was coming  
128 from somewhere, and it would be traced back to determine where  
129 was it coming from, and it could come from a lot of areas. Of  
130 course, an adjacent service station was one of the prime  
131 targets.  
132 Q. With respect to the addition of MTBE to gasoline at Exxon  
133 in 1985, didn't that increase the risk that a release from a  
134 station that contained that gasoline would affect a neighboring  
135 property?  
136 A. How do you define, "affect a neighboring property"?  
137 Q. Well, you could take it as reaching a nearby groundwater  
138 well. Wouldn't that increase the odds of that happening if  
139 MTBE is used in the gasoline?  
140 A. I was looking for something a little bit more, of more  
141 concern, and that is was a toxic material reaching the  
142 groundwater that we should be concerned about.  
143 Q. Sir, others in this courtroom will debate the toxicity of  
144 MTBE. My question to you is:  
145 Didn't the addition of MTBE to gasoline at Exxon in

141 A. Yes, it was.  
142 Q. And inventory reconciliation was the first line of defense  
143 in detecting leaks, correct?  
144 A. Inventory reconciliation, there was some other indication  
145 there was something wrong.  
146 Q. At the time you wouldn't even trigger tank testing unless  
147 the inventory variation exceeded one half of 1 percent of the  
148 thruput per month at a station, correct?  
149 A. No, that isn't correct.  
150 Q. I am looking at the first sentence highlighted under this  
151 table. It says Exxon's leak detection program relies mainly on  
152 mandatory daily, weekly and monthly operator inventory  
153 reconciliation for early leak detection. Tank testing is  
154 triggered whenever the variation exceeds one half of one  
155 percent of the thruput per month.  
156 Do you disagree with that statement?  
157 A. You're taking it out of context. There are other reasons  
158 that we would test tanks other than inventory verification.  
159 Q. For example, if the product showed up in a nearby well,  
160 correct?  
161 MR. SACRIPANTI: Objection, your Honor. That is  
162 argumentative.  
163 A. No, there are other indications.  
164 THE COURT: One moment, please. The objection is  
165 actually sustained. Mr. Sacripanti. Would you rephrase your

121 1985 increase the risk that a release from an underground  
122 storage tank system that contained that gasoline would reach a  
123 neighboring property as compared to gasoline that did not  
124 contain MTBE?  
125 A. I can't agree with that statement. I'll tell you why.  
126 Q. I would be interested to hear.  
127 A. The why is that MTBE was already in the distribution  
128 system. It had been used by virtually every other oil company  
129 and they all used the same distribution system.  
130 They all used common carrier tank trucks, they all  
131 used the pipelines, they all used barges, they all used  
132 terminals, and it was -- MTBE was in the system and you  
133 couldn't purge it out. So by Exxon incrementally adding to it  
134 wasn't going to change the ultimate, and that is MTBE was in  
135 the system.  
136 Q. So gasoline from other companies could reach Exxon stations  
137 because it was all comingled in this distribution system that  
138 you just described. Is that right?  
139 A. A lot of Exxon gasoline is comingled. Exxon was one of the  
140 last companies to ship on major pipelines proprietary slugs of  
141 product. Even a proprietary Exxon shipment in a pipeline would  
142 pick up MTBE from the previous shipments of gasoline. It was  
143 unavoidable.  
144 Q. With respect to unsegregated shipments in the pipelines,  
145 Exxon stations could contain gasoline from other companies that



111 contained MTBE even before Exxon was adding it to its own  
 112 gasoline, correct?  
 113 A. That's correct. There were service stations where we were  
 114 picking up contamination with MTBE and it was before we  
 115 started, Exxon started to use MTBE as an additive.  
 116 Q. Once Exxon started adding MTBE to its own gasoline in 1985,  
 117 that gasoline could end up in other peoples' gas stations,  
 118 correct?  
 119 A. It was in the system and at this point who knew where it  
 120 originated. It was in the system. It was in the total  
 121 distribution system.  
 122 Q. So your point about not -- excuse me. Let me start the  
 123 question over again.  
 124 Your point that there was not an incremental  
 125 environmental risk from adding MTBE to Exxon gasoline was based  
 126 on your view that MTBE was already in the system, correct?  
 127 A. That's correct.  
 128 Q. Setting that aside, sir, comparing gasoline with MTBE to  
 129 gasoline without MTBE, the gasoline with MTBE poses an  
 130 incremental environmental risk. Isn't that right?  
 131 MR. SACRIPANTI: I assume we are talking about during  
 132 his tenure with Exxon and not today?  
 133 MR. SHER: I am. That is right.  
 134 MR. SACRIPANTI: Up until 1992 I guess is your  
 135 question?

111 each year.  
 112 You wrote that then?  
 113 A. I was part of writing the letter. I can't remember who  
 114 wrote what, but I'll agree with that.  
 115 Q. The next paragraph states, a recent concern has been a  
 116 substantial increase in the number of leaks caused by failures  
 117 of new tank and piping installations. The attachment provides  
 118 a summary of recent incident reports for your region which  
 119 relate to tankage leaks. It has been noted on the region  
 120 attachments where failures have occurred in new installations.  
 121 Sir, did you each year, did you provide reports to the  
 122 regions about the sources of their leaks at the gas stations?  
 123 A. Not each year, at least I don't recall doing it each year,  
 124 but I can tell you that in 1982 we were watching region  
 125 activities very closely and we were obtaining information that  
 126 we had not obtained before.  
 127 Q. If you could turn to the next page of the document, please.  
 128 This is 1982 is four years after the East Meadow  
 129 incident. Am I right?  
 130 A. Yes.  
 131 Q. If you look at the third entry on this page, you see a  
 132 station in New Jersey had a product loss of 1,180 gallons due  
 133 to corrosion failure, correct?  
 134 A. I see that.  
 135 Q. So as of 1982, Exxon did not correct it at all of its

111 A. Well, I don't agree with that. So we differ on that.  
 112 BY MR. SHER:  
 113 Q. Which department were you in in 1984-1985?  
 114 A. I was in the marketing department, what they call the  
 115 marketing department.  
 116 Q. You were working at that point for Mr. Larkins. Is that  
 117 right?  
 118 A. At one time I worked for Mr. Larkins.  
 119 Q. During 1984-'85?  
 120 A. No, not '84-'85. I worked for him previously, previous to  
 121 that time.  
 122 Q. Let's go to Tab 7 in our binders, P L2 21. This is a June  
 123 22nd, 1982 Exxon document.  
 124 THE COURT: Which tab?  
 125 MR. SHER: Tab 7, your Honor.  
 126 THE COURT: ?? Thank you.  
 127 BY MR. SHER:  
 128 Q. If you look at the authors down at the bottom of the  
 129 page -- no, no, the highlighted one -- you were one of the  
 130 writers of this document, were you, Mr. Curran?  
 131 A. Yes, I was.  
 132 Q. In the first paragraph you stated recognizing that  
 133 inventory verification is the best available method to detect  
 134 underground leaks in an ongoing manner, it is extremely  
 135 important that this program be fully carried out for all stores

111 stations releases from this underground storage tank systems.  
 112 correct?  
 113 A. That is why we knew it was going to take five years and  
 114 knew it was going to take \$170 million, that's correct.  
 115 Q. Let's go down the page a little bit to the box highlighted  
 116 on the right side. This was a report of a New Jersey new  
 117 installation where there had been a crack in the fiberglass  
 118 tanks, correct?  
 119 A. Correct.  
 120 Q. In fact, it was a fairly common occurrence for Exxon to  
 121 experience releases from new installations of its fiberglass  
 122 equipment. Isn't that right?  
 123 A. You're incorrect.  
 124 Q. It was a rare occurrence?  
 125 A. It was a rare occurrence. We did a study, and we had three  
 126 failures over a period of several years.  
 127 Q. Well, Liz, if you could highlight the lines that start with  
 128 7181 and 6013. These are two releases of new installations in  
 129 1982 in New Jersey, right?  
 130 A. Yes. The notice at the top of the tank says no release.  
 131 Q. Sir, there were two problems with new installations simply  
 132 reflected on this page, correct?  
 133 A. On this page there are two problems identified.  
 134 Q. Go to the next page. There are one, two, three, four, five  
 135 new installations listed there. Go ahead and enlarge that

113 piping leak section if you would, please.

114 If you look at the first one, that was in New York,  
115 the report date of September 8th, 1981, new system, thousand  
116 gallons of product loss. Am I right?

117 A. I see that.

118 Q. That is the new system because of faulty installation,  
119 correct?

120 A. I think you've identified three of them where there is a  
121 product release.

122 Q. Yes, and there are actually four more listed on the same  
123 page. Just keep going down. Each of those boxes listed as new  
124 shows product release from new installations?

125 A. I am still looking. I can find three. I do remember the  
126 study that we did, we found three.

127 Q. Well, if you look at the next page, the entry, the fourth  
128 from the bottom, new installation in DC, 7,000 gallon release  
129 related to new installation. Do you see that?

130 A. I see that. That is one of the three.

131 Q. Isn't it one of about 7 that we have just been talking  
132 about?

133 A. I am still looking. I found three where we have had a  
134 product release as a result of fiberglass tank failure. What  
135 am I missing?

136 Q. Well, sir, whether it was from the tanks or the pipes?

137 A. You're including the piping now?

138 Q. Didn't you agree with me earlier that the pipes were also  
139 sources of releases from the stores?

140 A. I agreed, yes, pipes can leak just like a tank can leak.

141 Q. So you have, if we include pipes, do we end our  
142 disagreement?

143 A. I am glad you didn't change what I remember as a study  
144 where we found three tanks that had failed and caused a  
145 release.

146 Q. Was it only three tanks that had failed or three tanks that  
147 had failed upon installation that you recall?

148 A. That is one of the beauties of a fiberglass tank is if it  
149 is going to fail, it will fail because of improper installation  
150 and you can catch the release right away and correct it before  
151 it migrates into the ground or into the groundwater. That is  
152 one of the beauties of both fiberglass tank or piping.

153 Q. Is it your testimony that during the period you were at  
154 Exxon, that is, up until 1992, there were not releases from  
155 underground storage tanks or pipes made of fiberglass other  
156 than upon installation?

157 A. What I recall is that we had very few. We should factor  
158 into this discussion that there were 5,000 tanks installed a  
159 year, and now we're looking at three where there was an  
160 installation problem and we had a release.

161 So, you know, there are not many manufacturers, there  
162 is not many companies that are perfect, but they all do the

101 best they can and try to minimize any impact on the environment  
102 or the public.

103 THE COURT: Okay. We'll pause here for the afternoon  
104 break and try to reconvene at 20 of 4:00. Is there a hope we  
105 can finish with him?

106 MR. SHER: Yes.

107 THE COURT: Let's really try hard at 20 of 4:00.

108 Thank you.

109 (Jury excused)

110 (Recess)

111 THE COURT: All right, get the jury, John, yes.

112 (Jury present)

113 THE COURT: Please be seated.

114 BY MR. SHER:

115 Q. Mr. Curran, you told Mr. Sacripanti that the inventory  
116 reconciliation goal for leak detection purposes for Exxon for  
117 the API was a half a percent of the thruput per month, correct?

118 A. Correct.

119 Q. The EPA adopted a higher number for its variance to trigger  
120 leak detection, correct?

121 A. They did.

122 Q. And they've assumed the variance could be as high as 1  
123 percent plus 130 gallons per month, correct?

124 A. That's correct.

125 Q. So an operator at a non-Exxon station who was not complying

126 with the API standards but was complying with the EPA standards  
127 wouldn't suspect a leak or test for it unless the variation  
128 showed up as greater than 1 percent thruput plus 130 gallons  
129 per month, right?

130 A. That could happen.

131 Q. Are you familiar with the term "keeper station" in Exxon  
132 nomenclature?

133 A. Yes, I am.

134 Q. That is associated with stations, as Exxon was upgrading  
135 its systems, that it intended to keep in the system, correct?

136 A. Correct.

137 Q. Do you know what the thruput for a station to be considered  
138 a keeper was?

139 A. I don't recall it being a fixed number. It was more of a  
140 projection as to what would happen to the station down the  
141 road, rule changes or something else, but I don't remember a  
142 fixed number.

143 Q. For stations that were not keepers, Exxon considered  
144 divesting them; that is, selling them off, correct?

145 A. They were either going to close them and abandon the site  
146 or they were going to sell them.

147 Q. In your experience, were there stations that Exxon had that  
148 were keepers that sold gasoline on the order of 500,000 gallons  
149 a month?

150 A. I'm aware of some stations that were selling that much

11 gasoline per month, yes.  
 12 Q. So I want to apply the inventory standards.  
 13 So if we have a station that is selling 500,000  
 14 gallons per month, then under Exxon's inventory reconciliation  
 15 standards, there could be a variation of up to 2500 gallons per  
 16 month before further investigation was triggered, correct?  
 17 A. That's a simple way of looking at it, but go ahead.  
 18 Q. That is what the math is, right?  
 19 If you apply the half a percent to the monthly  
 20 thruput, and the monthly thruput is 500,000 gallons a month,  
 21 then 2500 gallons per month or less variation doesn't trigger  
 22 further investigation, right?  
 23 A. Okay, so you're talking about one product one tank. Is  
 24 that correct?  
 25 Q. Is that how it was tested?  
 26 A. No. The 500,000 gallons applied to all three grades of  
 27 gasoline that were being sold at the station.  
 28 Q. So it could be three tanks, right, or more?  
 29 A. So there could be three or more tanks, but all tanks  
 30 together were selling 500,000 gallons per month.  
 31 Q. That is fine. Are we agreed on that?  
 32 A. Okay.  
 33 Q. If it was the EPA figure, it would be 1 percent, which is  
 34 5,000 gallons plus 130 gallons, so you'd end up with a variance  
 35 of 5,130 gallons for the station, right, for all the tanks at

11 BY MR. SHER:  
 12 Q. Let's assume that you have 450,000 gallons thruput at the  
 13 station per month.  
 14 A. Okay.  
 15 THE COURT: For all the tanks?  
 16 BY MR. SHER:  
 17 Q. All the tanks and all grades?  
 18 A. Okay.  
 19 THE COURT: Okay.  
 20 BY MR. SHER:  
 21 Q. During the 1980's was there a typical distribution, in your  
 22 experience? Was it mostly, regular unleaded or premium  
 23 unleaded?  
 24 A. It is mostly regular unleaded, so why don't you assume  
 25 250,000 gallons or some easy number is regular grade gasoline.  
 26 Q. Okay, let's assume that. Then it would be all the tanks  
 27 that had regular grade unleaded?  
 28 A. That's right, it would be all the tanks and it is one grade  
 29 of gasoline, that's right.  
 30 Q. Under Exxon's .5 percent, then that would be 1,250 gallons  
 31 would be your -- what is the term for it, normal loss?  
 32 A. No, that is not the term at all. It would be a variation.  
 33 It could be 1500 gallons shortage or 1500 gallons -- or 1250  
 34 shortage or 1250 gallons overage, one or the other, so it is a  
 35 variation.

11 the station under this methodology before there would even be a  
 12 further investigation to see if there was something wrong with  
 13 the tanks or pipes or whatever?  
 14 MR. SACRIPANTI: These are non-Exxon storage tanks,  
 15 your Honor, is that the question?  
 16 BY MR. SHER:  
 17 Q. The math is the math. If you're applying the EPA  
 18 regulation instead of Exxon standards, you could have a  
 19 variation of 5,130 gallons before further investigation was  
 20 even triggered?  
 21 THE COURT: Are you talking about an Exxon station or  
 22 Exxon tanks or any station?  
 23 MR. SHER: Any station.  
 24 THE COURT: Okay.  
 25 THE WITNESS: There is still a fallacy in the way  
 26 you're approaching this.  
 27 THE COURT: Wait. Sorry, Mr. Sher. What is the  
 28 fallacy?  
 29 THE WITNESS: The fallacy is he is taking the  
 30 percentage of all the gasoline sold at the station, whereas the  
 31 system was that you take the percentage of each individual  
 32 grade of gasoline that was sold at the station. So you don't  
 33 have 500,000 times 1 percent, you would have a fraction of that  
 34 that is being -- you are doing each grade of gasoline  
 35 separately. There is a reason for that.

11 Q. In any event, if what you were detecting was a leak, you  
 12 wouldn't even test for it further unless you had a variation of  
 13 more than 1,250 gallons per month under the API Exxon standard,  
 14 correct?  
 15 A. Okay, there is one other step that you're missing.  
 16 Q. All right. What is that?  
 17 A. That step is you have two other grades of gasoline, and the  
 18 other two grades of gasoline, if they are showing the same  
 19 pattern of, let's say, an overage which could indicate a  
 20 discharge, a leak, if they were showing the same pattern, then  
 21 this would trigger an investigation.  
 22 I am sorry. This would not, this would not trigger an  
 23 investigation because what it is showing is that -- and this  
 24 could happen during a very hot July day -- that the gasoline  
 25 was being heated and it was expanding, and so your overage is  
 26 an expansion of the gasoline. That is if all three grades were  
 27 showing the same pattern.  
 28 Q. Okay. That assumes there aren't also leaks in the other  
 29 parts of the system, correct?  
 30 A. Yeah, that's right, that's correct.  
 31 Q. So continuing on, if you were to apply EPA's standard to  
 32 the 250,000 gallons thruput for the regular unleaded, then you  
 33 would have 1 percent, which is 2500 gallons plus 130 gallons  
 34 and you wouldn't check further unless you had a variation  
 35 greater than 2,630 gallons per month for that, for that system,

111 correct?  
112 A. Now you're looking at one tank and one grade of gasoline.  
113 Q. We are looking at one grade, that's right. It could be  
114 more than one tank, though?  
115 A. You should be looking at all three grades.  
116 Q. All right.  
117 A. If you want to make the assumption that all three grades  
118 are doing the same thing, then if it is an overage, you know  
119 you have a temporary problem. If it is an underage, it is  
120 again a temporary problem. If you have one tank showing this  
121 and the others are showing what you would expect them to show;  
122 in other words, very small variation, then you would know you  
123 have a problem with that particular product.  
124 Q. Regardless, you don't check unless you have a variation  
125 given your assumptions who is --  
126 MR. SACRIPANTI: Who is "we"?  
127 BY MR. SHER:  
128 Q. I said you?  
129 MR. SACRIPANTI: Meaning who?  
130 BY MR. SHER:  
131 Q. Exxon wouldn't check applying its standards and others who  
132 were following the EPA standards wouldn't check theirs unless  
133 there were variations in the inventory of at least these  
134 amounts, correct?  
135 MR. SACRIPANTI: Again this is compound. Can we just

111 take one at a time?  
112 THE COURT: Would Exxon check if the variation was not  
113 greater than this?  
114 THE WITNESS: Yes. There is a simple reason, and that  
115 is 1250 gallons times \$3.00 per gallon or \$2.00 per gallon,  
116 whatever number you want to use is a significant amount of  
117 money that the operator of that station has just lost. He is  
118 going to inspect it. He is going to find out what is wrong.  
119 BY MR. SHER:  
120 Q. Let's go back to Tab 15 in your binder. Go to Bates number  
121 ending in 76, please, sir.  
122 This was a document that while you were at Exxon was  
123 provided to dealers with suggestions for how to deal with their  
124 leak detection program, correct?  
125 A. Correct.  
126 Q. And in this document -- go to page ending in 83 -- if you  
127 could enlarge, please, the first paragraph.  
128 What Exxon was advising was that where inventory  
129 verification reveals a variation of more than 0.5 percent  
130 between the total metered sales during the period and actual  
131 physical inventory measurements, steps are taken to determine  
132 the cause. That is what was written in the document at the  
133 time you were with Exxon, correct?  
134 A. And steps are taken to determine the cause.  
135 Q. Right. You don't take steps to determine the cause unless

111 you have a variation greater than that amount, correct?  
112 A. No, it doesn't say that.  
113 THE COURT: It does. Where inventory verification  
114 reveals a variation of more than half percent?  
115 THE WITNESS: More than half percent.  
116 THE COURT: Right, then it says then steps are taken.  
117 THE WITNESS: Then steps are taken to determine the  
118 cause.  
119 THE COURT: Right. He is saying the whole sentence  
120 says where it is more than half a percent, then steps are  
121 taken, right?  
122 THE WITNESS: Well, this is, this is a simplistic way  
123 of looking at it. During the training program, the dealers  
124 were told to take a look at all three products.  
125 BY MR. SHER:  
126 Q. This is what is written in the document you distributed,  
127 right?  
128 A. It is, but there is also a training program.  
129 Q. Let's go to page, the Bates number ending in 87, if you  
130 could highlight the first paragraph again. The first paragraph  
131 states:  
132 When inventory variations of over 0.5 percent cannot  
133 be explained by delivery shortages, pump tampering, out of  
134 calibration meters or leaks elsewhere in the fuel delivery  
135 system, the tanks and pipes system are inspected and tested for

111 leaks by technical personnel.  
112 So the sequence is first you have the variance in  
113 inventory, then you look for other potential causes, then you  
114 check for leaks. Isn't that right?  
115 A. Yes.  
116 Q. That is what Exxon was advising its dealers who received  
117 this document, correct?  
118 A. And it says that a maintenance representative or an  
119 engineer conducts an on-site investigation to determine the  
120 cause of the inventory variation.  
121 What that says is that there can be other reasons for  
122 the variation other than a tank leak. I mentioned them. There  
123 is temperature variations, there is mathematical errors, there  
124 is a number of things that can happen that have to be  
125 investigated before you call in a tank tightness test, and most  
126 of the time you find that there is something wrong with the way  
127 it was calculated or you've had temperature variations.  
128 Q. Mr. Curran, isn't it fair to say that inventory  
129 reconciliation was not an adequate method to detect small  
130 continuous leaks?  
131 A. No, it isn't because --  
132 Q. Inventory reconciliation --  
133 THE COURT: Let him finish.  
134 A. -- I can remember the radiance study done by a firm out of  
135 the research triangle, and after working through computer

121 programs to look at all the possibilities, they came to the  
122 conclusion that inventory verification would detect a leak, and  
123 I don't remember the exact number, it was in the high 90's  
124 percentage of cases.

125 **BY MR. SHER:**

126 **Q.** Yes, sir. Was it adequate to detect small, continuous,  
127 ongoing releases that values lower than the variance, whether  
128 it was the half a percent thruput that Exxon used or the 1  
129 percent plus 130 gallons the EPA used?

130 **A.** You're suggesting that there is a breach in the system that  
131 is causing a leak, and that breach in the system is going to be  
132 constant forever; so, therefore, no one is going to notice it.

133 **Q.** You're familiar with tanks and pipes and dispensers and  
134 fill spills and overfills that could occur on an ongoing basis  
135 that at lower volumes than on the order we have been talking  
136 about?

137 **A.** I think you changed the question.

138 **THE COURT:** No. He is saying you're familiar with  
139 small releases?

140 **THE WITNESS:** Small releases.

141 **THE COURT:** You're familiar?

142 **THE WITNESS:** I am familiar that accidents will occur.

143 **MR. SHER:** Your Honor, I have no further questions of  
144 this witness.

145 **THE COURT:** Okay.

111 earlier, but I'll repeat it -- what we learned is that the  
112 older tanks that when they installed the underground venting  
113 system, they did not believe it had to be tight. The pipes  
114 were all loose-fitting. The Kent Moore test tests all the  
115 pipes in the system, tests the vent pipes, they test everything  
116 that is underground.

117 **We found that a lot of the older tanks and piping**  
118 **systems, the pipes are loose and no product ever got into the**  
119 **vent line, so there is no discharge.**

120 **Q.** You selected the 235 tanks because there was an inventory  
121 or some other indication there might be a problem?

122 **A.** That's right, that is how the ball started rolling. When  
123 you saw it, you thought you had a problem with inventory  
124 verification or some other method, then you called in the  
125 engineers, you called in the experts. They went through the  
126 inventory records, they walked the site, they tried to find out  
127 if the meters were incorrect.

128 **There were a lot of things because that cause a**  
129 **variation. When they couldn't find anything, they called in a**  
130 **tank test.**

131 **Q.** Out of that universe of 235 in 1984 and 240 in 1985, you  
132 found 26 tanks that failed the tank tightness test in '84 and  
133 25 that failed in '85, correct?

134 **A.** That's correct.

135 **MR. SHER:** Your Honor, it mischaracterizes the

111 **MR. SACRIPANTI:** Just a few questions.

112 **THE COURT:** Okay.

113 **REDIRECT EXAMINATION**

114 **BY MR. SACRIPANTI:**

115 **Q.** Mr. Curran, how are you feeling right now?

116 **A.** I am feeling just fine.

117 **Q.** Okay. You asked to go on in the morning because you got  
118 tired in the afternoon. Is that right?

119 **A.** That's right.

120 **Q.** Are you holding up?

121 **A.** I'm holding up.

122 **Q.** Okay.

123 You were asked -- if we can turn to Tab 12, please --

124 **MR. SHER:** Which volume?

125 **MR. SACRIPANTI:** Sorry, of defendant's, my Binder 12.

126 Dave, if we could advance to 478, please. If you  
127 could blow up the first paragraph quickly.

128 **BY MR. SACRIPANTI:**

129 **Q.** You were asked questions about this chart, as to the tanks  
130 that were actually tested in '82. Please go to '84, 25,300  
131 tanks. Were the universe of 235 tanks identified because there  
132 was some other problem that indicated there might be a release  
133 at those tanks?

134 **A.** No. These are tanks that failed the Kent Moore test, the  
135 tightness test, and what we learned was -- and I mentioned this

111 document. It is percentage, not numbers of tanks in the last  
112 column.

113 **MR. SACRIPANTI:** You know what? Mr. Sher is right, I  
114 did do that. I did it inadvertently.

115 **BY MR. SACRIPANTI:**

116 **Q.** The percentage was 26 percent in -- thank you -- in 1984 of  
117 the universe that indicated it had a problem. Is that right?

118 **A.** Yes, yes.

119 **Q.** And in 1985, it was 25 percent of the universe that  
120 indicated it had a problem in 1985?

121 **A.** Correct.

122 **Q.** You were asked about the East Meadow spill. Did Exxon take  
123 responsibility for the spill, the cleanup of the spill before  
124 the lawsuit started?

125 **A.** Exxon knew from day one that there was a problem that they  
126 were going to have to resolve and that included cleaning it up.

127 **The question was how do you clean up such a large**  
128 **spill? Exxon had never had that experience before and they had**  
129 **to use a new technology, and that was called air venting. They**  
130 **actually vented the air and disposed of the gasoline vapors**  
131 **rather than try to recover the gasoline that was underground,**  
132 **and they bought out all the homes from the homeowners at the**  
133 **appraised price before the spill occurred.**

134 **Q.** Not before the spill occurred?

135 **A.** But before the --