UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF LOUISIANA

IN RE: OIL SPILL BY THE OIL RIG "DEEPWATER HORIZON" IN THE GULF OF MEXICO, ON APRIL 20, 2010	)	MDL NO. 2179
	)	SECTION "J"
	)	JUDGE BARBIER
	)	MAG. JUDGE SHUSHAN

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VOLUME 1

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Deposition of Eric Gregory Childs, P.E., taken at the Pan-American Building, 601 Poydras Street, 11th Floor, New Orleans, Louisiana, 70130, on the 1st day of December, 2011.

was not in the way it would have been used.

Q. But it had a voltage that was higher than 6.5 volts, correct?

A. I think one tested one at temperature and at 1.6 ohms was below 6.5 volts.

Q. Now, the -- the Blue Pod SEM B 9-volt battery, that was tested under load, correct?

A. In that case with the 1.6 -- well, various loads, but one of them was the 1.6-ohm load.

Q. And when it was tested under load, they -- the battery was not depleted, correct?

A. Not completely deplete --

Q. It still had a --

A. -- depleted, no, sir.

Q. Now, are you aware of what load would have been applied to the -- the 9-volt battery during the AMF/Deadman sequence?

A. 5.5 amps.

Q. And are you aware what load would have been applied to the 27-volt battery during the AMF/Deadman sequence?

A. Let me -- the draw on the 9-volt battery AMF -- through the AMF card is 2 milliamps. The draw on each transducer that

are being powered by the 27-volt battery is up to 20 milliamps. There's two transducers, so there would be a 40-milliamp draw on the 27-volt battery, and a 2-milliamp -- excuse me, milliamp draw on the AMF 9-volt battery.

Q. Now, how do you conclude there was a 2-milliamp draw on the 9-volt battery?

A. Mr. Tolleson researched this and found the amperage that it would draw.

Q. So it's your opinion that the load -- that the draw on the 9-volt battery would have been less than the draw on the 27-volt battery?

A. Much less, yes, sir.

Q. And that's based on discussions that you had with Mr. Tolleson, correct?

A. Yes. And it's in the Transocean Report.

Q. Okay. And do you know what Mr. Tolleson relied upon to identify that the draw on the 9-volt battery would have been greater than the draw on the 27-volt battery?

A. I can't tell you precisely, but he did find out what the draw is -- was, excuse me, on both transducers, and there are two.

Q. Was that based on testing that Mr. Tolleson performed?

A. I don't know a hundred percent. I think it was both testing and literature.

Q. And, again, it's your testimony that the draw on the 9-volt battery would have been 2 milliamps, correct?

A. Yes, sir.

Q. Now if you can turn back to Exhibit 7692.

A. Yes, sir.

Q. I'd like to draw your attention to Pages 13 and 14 of the document. And it references a test that was performed on October 20, 2010. Do you see that?

A. Yes, sir, Test No. 2.

Q. Okay. And I'd like to draw your attention to Page 14 of this test and the section, "Test Result Variances."

Do you see that?

A. (Reviewing document.)

Q. And it identifies that: "The Team did" witness "the PLC's CPU LED light indicating power was applied to the PLC via AMF but the PLC CPU is halted. Halt condition indication LED was 'flashing.'"

Do you see that?

A. Yes, sir.