

Mr. DRYSDALE: Do you rely on the C.G.E. tests and the value they give to you, or do you make independent tests yourself? If so, who does it?

Dr. MACKENZIE: We do not. We are the body which receives the advice, we have an advisory committee. You are talking about Atomic Energy?

Mr. DRYSDALE: Yes.

Dr. MACKENZIE: Our advisory committee looks carefully into how the tests are done and who did them. I do not say that C.G.E. engineers even would do them, they may have engaged a company to do it. Our advisory committee would report to us that these tests had been made, that they had been properly made and are very fair.

Mr. DRYSDALE: The reactor safety advisory committee do not make any tests themselves?

Dr. MACKENZIE: Not as a committee.

Mr. DRYSDALE: They rely on the actual tests and information provided by the C.G.E.?

Dr. MACKENZIE: Yes.

Mr. DRYSDALE: Your organization relies on the material provided by C.G.E. Then I would assume that the inspector in Ontario in the Department of Labour also relies on the information provided by the C.G.E. tests, or does he make independent tests himself?

Dr. MACKENZIE: I do not know that.

Mr. DRYSDALE: Basically, then, your whole recommendation, that is the point I was trying to get at before, is based on this. I am not making any criticism of the C.G.E. It is based on the information and tests made by the C.G.E. There is no provision, in other words, to have a reference under the Ontario Act to the A.S.M.E. who have their experts in the reactor fields, who would under usual conditions probably make a recommendation as to whether the safety factor was adequate or not. In other words, you completely rely on C.G.E.?

Dr. MACKENZIE: If in turn they would hire competent people to do this, the data would be on the table for the experts to look at, how it was done and who did it.

Mr. DRYSDALE: Is C. G. E. the designer? Would you say they are designers?

Dr. MACKENZIE: I would say they are the designers.

Mr. DRYSDALE: Then you made an original contention that the designers and the producers are the ones making the recommendations regarding the adequate safety factor—in other words, there is no independent group which is making tests?

Mr. STEARNS: No, no.

Mr. DRYSDALE: I am trying to clear this up.

The CHAIRMAN: Mr. Drysdale asked if they were an independent group. He said there is no independent group.

Dr. MACKENZIE: The situation, as I have tried to show, is that design engineers have certain functions in every case. Somebody investigates how they have done it and who has done it, and in this case it is our advisory committee, as far as we are concerned. Then they tell us what the situation is, whether they are satisfied with these tests, whether they were the proper tests, whether they were carried out properly, and we would normally not look behind it.

Mr. DRYSDALE: Would you have any objection to writing to A.S.M.E. and obtaining their opinion on this question of safety factor, to have one of their suitable subcommittees confirm the decision you are making that the reduction of the safety factor from four to three is quite all right?