January 12, 1971

In the matter of

Toledo Edison Company in Cleveland
Electric Illuminating Company

Re.: Davis-Besse Nuclear Power Plant

Attached hereto are signed copies of (1) my professional qualifications and academic biography, and (2) a statement on the cost-benefit analysis of radiation exposure from the standpoint of genetic mutation and health. In my opinion, the process by which radiation standards have been promulgated to date is defective for lack of a clear statement as to the level of public health hazard that can reasonably be expected as a consequence of a level of radiation advocated as "permissible". It may well be that reasonable men might conclude that the cost of such a level of exposure is more than counterbalanced by the benefits of useful applications of nuclear energy. However, this decision on a matter of public policy should be made on premises about anticipated costs that have been clearly exposed, rather than embedded in more technical inferences about the biological effects of radiation exposure.

The above statement, with referenced attachments represents my best knowledge and true belief on the question of radiation standards.

Joshua Lederberg
Professor of Genetics
Chairman, Department of Genetics