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**ALARA COUNCIL: SHARING OF RESOURCES
AND EXPERIENCES TO
REDUCE DOSES AT COMMONWEALTH EDISON FACILITIES**

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SUMMARY

Commonwealth Edison Company is an investor-owned utility company supplying electricity to over three million customers (eight million people) in Chicago and northern Illinois, USA. The company operates 16 generating stations which have the capacity to produce 22,522 megawatts of electricity. Six of these generating stations, containing 12 nuclear units, supply 51% of this capacity. The 12 nuclear units are comprised of four General Electric boiling water (BWR-3) reactors, two General Electric BWR-5 reactors, and six Westinghouse four-loop pressurized water reactors (PWR).

In August 1993, Commonwealth Edison created an ALARA Council with the responsibility to provide leadership and guidance that results in an effective ALARA Culture within the Nuclear Operations Division. Unlike its predecessor, the Corporate ALARA Committee, the ALARA Council is designed to bring together senior managers from the six nuclear stations and corporate to create a collaborative effort to reduce occupational doses at Commonwealth Edison's stations.

This presentation describes the charter and mission of the ALARA Council, along with its membership. The ALARA Council will provide leadership and involvement in the following critical areas:

- Research and Development of Advanced Technologies.
- Source Term and Cobalt Reduction.
- Robotics Applications and Sharing of Resources.
- Evaluation and Improvement of Engineering, Maintenance and Operation Processes.
- Division Implementation of Cross-Discipline ALARA Initiatives.

The Council's operating principles and measurement standards for success are delineated. Finally, some initial actions of the Council are highlighted.

Author Biography

Frank Rescek is the corporate Radiation Protection Director for Commonwealth Edison and has 18 years experience with Edison. Currently, he serves as the chairperson for the Edison Electric Institute (EEI) Health Physics Committee and is a member of the BNL ALARA Center Advisory Committee and two NUMARC Advisory Committees. He is a past President of the Power Reactor Section of the Health Physics Society and served as a chairperson of the American Board of Health Physics (ABHP) Power Reactor Examination Panel, 1987. Previously, 1989-1990, he served on the Nuclear Energy Agency Expert Group involved with developing the Information System on Occupational Exposure (ISOE). He has a B.S. in Biology from Kent State University, an M.S. in Radiological Health from the University of Michigan, and an M.B.A. from the University of Chicago. Mr. Rescek is certified by the American Board of Health Physics - Power Reactors.

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