

Docket No. 50-346
License No. NPF-3
Serial No. 740



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August 31, 1981

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz
Operating Reactor Branch No. 4
Division of Operating Reactors
United States Nuclear Regulatory Commission
Washington, D.C. 20555



Dear Mr. Stolz:

As required by NUREG-0737 and our verbal commitment to Mr. Thomas Novak at USNRC, the following is a description of the Toledo Edison Company Training Program for Shift Technical Advisors, and mitigation of core damage training for Operators and Shift Supervisors.

The Toledo Edison Company initial training program for Shift Technical Advisors (STA) commenced in June, 1980, and terminated in December, 1980. During this six (6) months, STA's received the following training:

<u>Course Title</u>	<u>Total Hours</u>
Plant Thermal Sciences	119
Reactor Physics	80
Pressurized Water Reactor Technology	240 (min.)
Technical Specifications	**
Simulator Training	120 (min.)
Effective Management Skills	40

** This is computer based, self-paced program.

The STA participates in the operating shift requalification program, as a regular member of the shift operations team. During this requalification, he receives training in mitigation of core damage and emergency procedures.

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On a long-term basis, Toledo Edison Company expects to combine the Shift Technical Advisor and Shift Supervisor positions. A possible alternate course of action would be to combine the present STA responsibilities with other technical responsibilities for power plant operation, in a new position call Shift Engineer. This subject is under study in the industry. Such a change would occur only after the education and training requirements for the Shift Supervisor are fully defined by job and task analysis and both an industry consensus and NRC approval are obtained regarding such action.

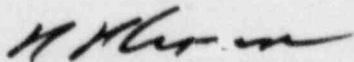
Prior to restart of Davis-Besse Station, after the accident at Three Mile Island, Davis-Besse operators were trained in recognizing and mitigating a degraded reactor core. Since the 1981 simulator training was scheduled in a September-October time frame, we decided to conduct additional core damage training during the lecture portion of the simulator training this year.

The following is a schedule of the training:

- Day 1 - Core Cooling Mechanics, Decay Heat, RCS Flow (forced and natural circulation), Heat Removal Methods, Gas/Steam Binding, Boron Precipitation.
- Day 2 - Consequences of inadequate core cooling and likely core damage effects, use of neutron detectors in the recognition of degraded core conditions.
- Day 3 - Detection and treatment of inadequate core cooling using core exit thermocouples, Relationship of excore neutron detectors to degraded core conditions, Incore thermocouples and core flow blockage.
- Day 4 - Release of fission products from damaged fuel, Fission product transport characteristics and release pathways, Response of gamma radiation monitors.
- Day 5 - Chemical and Radiological problems associated with degraded cores.

All Davis-Besse Shift Technical Advisors and Senior Reactor Operators assigned as Shift Supervisors will have completed this training by the end of October, 1981.

Very truly yours,



RPC:aa

Attachment

cc: DB-1 NRC Resident Inspector