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Docket No. 50-346

JUL 21 1975

POOR  
ORIGINAL

Chairman, Advisory Committee  
on Reactor Safeguards  
U.S. Atomic Energy Commission  
Washington, D.C. 20545

Subject: THE TOLEDO EDISON COMPANY  
Davis-Besse Nuclear Power Station, Unit 1

Fourteen ~~copies~~ copies of the following Category A documents concerning  
the subject facility are transmitted for review by the Committee:

Amendment No. 30, dated July 15, 1975, submitted by the Toledo Edison  
Company for the Davis-Besse Nuclear Power Station, Unit 1.

The amendment consists of revised and additional pages to the FSAR.

Directorate of Licensing

Enclosures:  
As stated

OFFICE ▶	x7886/LWR2-3				
SURNAME ▶	EGoulbourne:rm				
DATE ▶	7/21/75				

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Responsibility for writing and enforcing procedures to avoid unnecessary exposures has been delegated to the health physics group. The chairman of the Station Review Board approves these procedures while the Company Nuclear Review Board audits them.

#### 12.1 SHIELDING

Radiation shielding at Davis Besse is designed to ensure that the criteria of 10 CFR 20 will be met during normal operations or anticipated operational occurrences and that design features to achieve ALAP exposures to operating personnel have been included in the plant design. All plant areas have been classified into radiation zones based on expected frequency and duration of occupancy. Zones identify accessibility limits that range from unlimited access to normally inaccessible. The design of the radiation shielding considers the dose rate criterion for each zone based on the radiation sources in each compartment within the zone. However since conservative estimates have been used in the source terms developed from failed fuel (i.e., 1%), the dose rate in the vicinity of tanks, filters, demineralizers, degasifiers, evaporators, coolers and other process equipment is expected to be lower than the zone designations indicate.