Docket No. 50-346

License No. NPF-3

Serial No. 858

September 17, 1982

TOLEDO EDISON

> RICHARO P. CROUSE Vice President Nuclear (419) 259-5221

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

Dear Mr. Stolz:

This letter is in response to a telephone conversation between Mr. L. D. Young et al of Toledo Edison's Nuclear Licensing Department and yourself on August 26, 1982. The attachment contains the current status of TMI Items (NUREC 0737) of Generic Letter 82-05 after the current refueling outage for Davis-Besse Nuclear Power Station Unit 1.

Toledo Edison has just completed a refueling outage, which had several unforeseen problems. The turbine blade repair work and Auxiliary Feedwater Header replacement were the main work items which created a drain on the resources available for planned outage work load. During the outage there was a total manhour construction work force of 482,915 manhours on NRC required and equipment repair items, of that, 370,225 manhours were expended on NRC related work. These manhours do not include normal refueling related work, AFW header work nor turbine blade work.

Toledo Edison completed the following items of NUREG 0737:

ITEM	TITLE
II.B.1	Reactor Coolant System Hot Leg Vents
II.E.1.2	Auxiliary Feedwater Initiation and Flow Indication
II.F.1.3	In-Containment Radiation - Level Monitors
II.F.1.4	Containment Pressure
II.F.1.6	Hydrogen Concentration in Containment
II.K.2.10	Anticipatory Reactor Trips System (ARTS)

THE TOLEDO EDISON COMPANY

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The following items of NUREG 0737 were installed and are awaiting documentation or they have all outage related work completed and a schedule for final completion is supplied.

 II.F.2 Instrumentation for Detecting of Inadequate Core Cooling During the 1982 refueling outage Toledo Edison enhanced its detecting of inadequate core cooling by adding core exit thermo-couples, new RTD's to the primary coolant Hot Legs and safety grade inputs to the T-sat meter. The system is operable, but the documentation of the Hot Leg RTD's is expected by the end of the year. Upon receipt of qualification documentation of the RTD's Toledo Edison will meet the intent of Item II.F.2. II.F.1.2 Iodine/Particulate Sampling All outage work is completed and final work is 	ITEM	TITLE	REMARKS
 ing of Inadequate Core Cooling outage Toledo Edison enhanced its detecting of inadequate core cooling by adding core exit thermo-couples, new RTD's to the primary coolant Hot Legs and safety grade inputs to the T-sat meter. The system is operable, but the documental and seismic qualification of the Hot Leg RTD's is expected by the end of the year. Upon receipt of qualification docu- mentation of the RTD's Toledo Edison will meet the intent of Item II.F.1.2 II.F.1.2 Iodine/Particulate Sampling All outage work is com- pleted and final work is scheduled to be completed by June 30, 1983. II.F.1.5 Containment Water Level During the 1982 refuel- ing outage Toledo Edison installed a containment water level system to meet NUREC 0737 require- 	II.B.3	Post Accident Sampling	pleted and final work is scheduled to be completed
II.F.1.5 Containment Water Level During the 1982 refuel- ing outage Toledo Edison installed a containment water level system to meet NUREG 0737 require-	II.F.2	ing of Inadequate Core	enhanced its detecting cf inadequate core cooling by adding core exit thermo-couples, new RTD's to the primary coolant Hot Legs and safety grade inputs to the T-sat meter. The system is operable, but the documentation of the environmental and seismic qualification of the Hot Leg RTD's is expected by the end of the year. Upon receipt of qualification docu- mentation of the RTD's Toledo Edison will meet the intent of Item
ing outage Toledo Edison installed a containment water level system to meet NUREG 0737 require-	II.F.1.2	Iodine/Particulate Sampling	pleted and final work is scheduled to be completed
	II.F.1.5	Containment Water Level	ing outage Toledo Edison installed a containment water level system to meet NUREG 0737 require-

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ITEM

TITLE

REMARKS

included a narrow and wide range level range. The system is operable and meets the original license requirements for this type of instrumentation, but the documentation of the environmental and seismic qualification to meet NUREG 0737 requirements on the transmitters has not been received. The documentation is expected by the end of the year.

The attachment reflects our current schedule on the listed NUREG 0737 items. We will keep you apprised of any major changes to the attached schedule.

Very truly yours,

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Attachment

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cc: DB-1 NRC Resident Inspector

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Item	Title	Description	NUREG-0737 Schedule	Toledo Edíson Letters	Toledo Edison <u>Schedule</u>
I.A.3.1	Simulator Exams	Include simulator exams in licensing examinations	10/1/81	8/4/80, #641 9/14/81, #741	•
II.B.2	Plant Shielding	Modify facility to provide access to vital areas under accident conditions.	1/1/82	3/21/80, #601	
II.B.3	Post-accident Sampling	Install upgrade post-accident sampling capability.	1/1/82	2/19/82, #779	June 1983

June 1983

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Completed

No modifications proposed from the study of II.B.2.1.

Reactor Coolant Sample System: All outage related work has been completed during the current refueling outage. Operators' panel will be installed after outage with operation by June 1983.

Containment Air Monitoring: Although an extended range Containment Air Monitoring System has been replaced during the current outage, to insure sample analysis capability for the full range of NRC source terms of NUREG-0737, a grab sample system is being provided to meet this item. Due to representative sample problems in design, this will not be operable until June 1983.

Interim Measures:

All interim systems are operational and will remain so until the upgraded systems are operational. Additionally, the new Containment Air Monitoring will be operational.

Item	Title	Description	NUREG-0737 Schedule	Toledo Edison Letters	Toledo Edison <u>Schedule</u>
II.B.4	Training for Mitigating Core Damage	Complete training program.	10/1/81	7/31/81, #740 3/16/82, #796	-
II.E.1.2	Aux. Feedwater Initiation & Flow Indicator	Modify instrumentation to level of safety grade	7/1/81	3/21/80, #601 9/16/81, #742	-
II.E.4.2	Containment Iso- lation Dependability	Part 5 - lower containment pressure setpoint to level compatible with normal operation	7/1/18	1/30/81, #685	-
		Part 7 - isolate purge and vent valves on radiation signal.	7/1/81		-

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Completed

Completed

Completed. NRC letter dated 4/14/82 (Log No. 961) Contained Safety Evaluation Report for Item II.E.4.2.

Completed. Part of original design.

Item	Title	Description	Toledo NUREG-0737 Ediscu Schedule Letters	Toledo Edison Schedule
II.F.1	Accident Monitoring	 install noble gas effluent monitors. 	1/1/82 4/20/82, #1-261	6/30/83

(2)	provide capability for effluent monitoring of iodine.	1/1/82	1/25/82, #779 4/20/82, #1-261	6/30/83
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Station Vent Monitor:

All outage related work is completed. Extensive work is still required and schedule to be completed by 6/30/82.

Compensatory Measure: Until the effluent monitors are installed and operational, the interim effluent monitors will remain functional. Also, the capability for grab sampling is available.

Station Vent Monitor: All outage work is completed and final work is scheduled to be completed by 6/30/83.

Compensatory Measure: Until the effluent monitors are installed and operational, the interim effluent monitors will remain functional. Also, the capability for grab sampling is available.

No.

Title	Description	NUREG-0737 Schedule	Toledo Edison Letters	Toledo Edison Schedule
	(3) install in-containment radiation-level monitors.	1/1/82	1/25/82, #773	-
	(4) provide continuous indica- tion of containment pressure	1/1/82		-
	(5) provide continuous indica- tion of containment water level.	1/1/82		12/31/82

(6) provide continuous indication of hydrogen concentration in contain-1/1/82 ment.

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Completed

Completed

The Narrow and wide range level indication has been installed during the refueling outage and the system is operable. Environmental and Seismic Qualification to meet NUREG - 0737 requirements for the transmitters is not expected until the end of the year.

Completed

Item	<u>Title</u>	Description	NUREG-0737 Schedule	Toledo Edison Letters	Toledo Edison <u>Schedule</u>
II.K.2.10	Safety Grade Trip	Install anticipatory reactor trips.	7/1/81	7/24/81, #735 9/8/81, #744 1/5/82, #765 4/14/82, #808	-

の町 Remarks Completed