

September 6, 2011

Dr. Paul J. O'Connor  
Facility Director  
Dow Chemical TRIGA Research Reactor  
Dow Chemical Company  
Building 1602  
Midland, MI 48674

SUBJECT: DOW CHEMICAL COMPANY- APPROVAL OF THE DOW CHEMICAL  
REACTOR FACILITY REQUALIFICATION PROGRAM

Dear Dr. O'Connor:

The U.S. Nuclear Regulatory Commission (the Commission) has reviewed the revised Dow Chemical Reactor Facility Requalification Program that you submitted in your license renewal application dated April 1, 2009, as supplemented by letters dated November 17, 2010, May 25, and June 16, 2011. Our review concluded that the revised Requalification Plan meets the applicable requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 55 and are acceptable. We request that you begin to implement your approved program immediately.

In accordance with 10 CFR 2.390 of the Commission's regulations, a copy of this letter will be placed in the NRC Public Document Room. If you have any questions, please contact me at (301) 415-0893.

Sincerely,

**/LTran for RA/**

Geoffrey A. Wertz, Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-264

cc: See next page

Dow Chemical Company

Docket No. 50-264

cc:

Office of the Mayor  
333 West Ellsworth  
Midland, MI 48640

Office of the Governor  
Room 1 – Capitol Building  
Lansing, MI 48913

Mr. Dan Rader  
Environmental Health and Safety Responsible Care Leader  
Chair, Radiation Safety Committee  
1790 Building  
Midland, MI 48674

Dr. Wayde Konze  
Global Research and Development Director for Analytical Sciences  
Chair, Reactor Operations Committee  
The Dow Chemical Company  
1897 Building  
Midland, MI 48667

Test, Research, and Training  
Reactor Newsletter  
University of Florida  
202 Nuclear Sciences Center  
Gainesville, FL 32611

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ADAMS ACCESSION NO.: ML112490009 \*\*Concur via e-mail

TEMPLATE #: NRR-106

OFFICE	PRLB:PM**	PRPB:LA	PRLB:BC	PRLB:PM**
NAME	GWertz	GLappert	LTran for JQuichocho	GWertz
DATE	8/5/2011	9/6/2011	9/6/2011	9/6/2011

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