

September 6, 2011

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

SUBJECT: DOW CHEMICAL COMPANY – RESPONSE TO REQUEST FOR ADDITIONAL
INFORMATION DATED AUGUST 10, 2011 AND AUGUST 12, 2011 (TAC NO.
ME1595)

Dear Dr. O'Connor:

By letter dated August 12, 2011, (Agencywide Document Access and Management System (ADAMS) Accession No. ML11228A116) Dow Chemical Company requested an extension to October 12, 2011, to provide responses to our request for additional information (RAI) (NRC letter dated November 2, 2010, ADAMS Accession No. ML102700307). Specifically, the request applied to five RAIs which will require the results of analyses being performed. We have reviewed and agree with your request for the following reasons: 1) the RAIs are complex and require the detailed analyses currently being performed; and 2) Dow Chemical has demonstrated renewed efforts to complete the RAI responses and maintained good communication with the license renewal project manager regarding the status of your RAI response.

In a separate letter, dated August 10, 2011, (ADAMS Accession No. ML11228A117) Dow Chemical Company requested an extension to October 10, 2011, to provide a response to (RAI 2a) our RAI letter dated July 11, 2011 (ADAMS Accession No. ML111730586). This request will allow Dow Chemical Company an opportunity to develop a new path forward with respect to this financial qualification RAI. We have reviewed and agree with your request because developing the response requires decisions within multiple levels of management.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.30(b), you must execute your response in a signed original document under oath or affirmation. Your response must be submitted in accordance with 10 CFR 50.4, "Written Communications." Information included in your response that is considered security sensitive, or proprietary, that you seek to have withheld from the public, must be marked in accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding".

O'Connor

-2-

If you have any questions, please contact Walter Meyer at 301-415-0897 or by electronic mail at walter.meyer@nrc.gov.

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

If you have any questions, please contact Walter Meyer at 301-415-0897 or by electronic mail at walter.meyer@nrc.gov.

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

DISTRIBUTION:

PUBLIC

WMeyer, NRR

DPR/PRLB r/f
GLappert, NRR

RidsNrrDpr
GWertz, NRR

RidsNrrDprPrta
LTran, NRR

ADAMS Accession Number ML112371945

NRR-106

OFFICE	PRLB: PM	PRLB: PM*	PRLB: LA	PRLB: BC	PRLB: PM*
NAME	WMeyer	GWertz	GLappert	LTran for JQuichocho	GWertz
DATE	8/25/2011	8/25/2011	9/6/2011	9/6/2011	9/6/2011

OFFICIAL RECORD COPY