

October 16, 2012

Dr. Paul O'Connor
Facility Director
The Dow Chemical Company
1602 Building
Midland, MI 48667

SUBJECT: DOW CHEMICAL COMPANY - NRC SECURITY-RELATED INSPECTION
REPORT NO. 50-264/2012-202

Dear Dr. O'Connor:

The U.S. Nuclear Regulatory Commission (NRC or the Commission) conducted a routine announced security-related inspection from September 17 to 20, 2012, at your Dow TRIGA Research Reactor (Inspection Report No. 50-264/2012-202). The enclosed report documents the inspection results, which were discussed with you and other members of your staff at the conclusion of the inspection.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations, implementation of certain compensatory measures, and compliance with the conditions of your license. The inspector reviewed selected procedures and records, observed activities, and interviewed personnel. Based on the results of this inspection, no findings of significance were identified. No response to this letter is required.

In accordance with Title 10 of the *Code of Federal Regulations*, Section 2.390, "Public inspections, exemptions, and requests for withholding," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (Agencywide Documents Access and Management System (ADAMS)). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related items contained in the enclosure, and in accordance with 10 CFR 2.390(d), a copy of the enclosure will not be available for public inspection.

<p><u>NOTICE</u>: The enclosure contains Security-Related information. Upon separation from the enclosure, this document is DECONTROLLED.</p>

The 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

Ms. Shari Kennett
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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Should you have any questions concerning this inspection, please contact Johnny Eads at 919-219-9128 or electronic mail at Johnny.Eads@nrc.gov.

Sincerely,

/RA/

Gregory T. Bowman, Chief
Research and Test Reactors Oversight Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-264

License No. R-108

Nonpublic Enclosure: NRC Inspection Report No. 50-264/2012-202

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-2-

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Sincerely,

/RA/

Gregory T. Bowman, Chief
Research and Test Reactors Oversight Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-264

License No. R-108

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DATE	10/15/12	10/16/2012	10/16/2012

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