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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

OCT 18 2010

James Weldy, CHP, CIH
Radiation Safety Officer
The Dow Chemical Company
H&ES Industrial Hygiene Laboratory
1803 Building
Midland, MI 48674

Dear Mr. Weldy:

Enclosed is Amendment No. 87 to your NRC Material License No. 21-00265-06 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

Please note we added Condition No. 27 to your materials license. This condition provides instructions and restrictions for initially mounting gauges. This change should enhance your awareness of regulatory requirements and the radiation safety program elements in your license.

We also added your letter dated August 27, 2010 (with attachments) to Condition No. 28 in order to capture the changes to your licensed program brought about by the transfer of specific gauges to the new license for Styron, LLC, under license no. 21-32800-01, issued concurrently with this amendment.

If you have any questions concerning this amendment please contact me at (630) 829-9752.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system.

The enclosed document contains sensitive security-related information.
When separated from this cover letter this letter is uncontrolled.

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J. Weldy

Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability.

The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions regarding protection of security related sensitive information may be located at: <http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,



Michael G. Herr, CHP
Materials Licensing Branch

License No. 21-00265-06
Docket No. 030-04783

Enclosure:

Amendment No. 87