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

OCT 13 2010

James Weldy, CHP, CIH  
Radiation Safety Officer  
Styron, LLC  
1604 Building  
Midland, MI 48674

Dear Mr. Weldy:

Enclosed is your NRC Material License No. 21-32800-01 in accordance with your request.

**Concurrent with the issuance of this new license, the facilities, materials and activities authorized by this license were removed from the Dow Chemical Company License No. 21-00265-06, as appropriate and as stated in your letter dated August 27, 2010.**

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.

**Please note the exclusions from attachments to documents supporting this license, as described in Condition No. 25.**

**As we discussed during our site visit on August 19, 2010, for future reference, please kindly refrain from submitting extraneous documents, such as "Radiation Safety Manual" procedures and excerpts from such documents, including information either not requested by NRC or information not requested in NUREG 1556, Vol. 4, October 1998, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Fixed Gauge Licenses."**

This document can be found on our website at:

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v4/sr1556v4.pdf>

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations.

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

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In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
  - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the mailing address listed on the license changes.
3. In accordance with 10 CFR 30.36(d) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
  - a. When you decide to terminate all activities involving materials authorized under the license; or
  - b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.
4. Request and obtain a license amendment before you:
  - a. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - b. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - c. Change ownership of your organization.

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.

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

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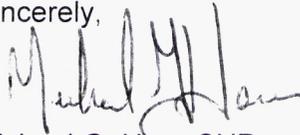
regarding protection of security related sensitive information may be located at:  
<http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

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. 21-32800-01  
Docket No. 030-38314

Enclosures:

1. License No. 21-32800-01
2. New License Package

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