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

SEP 14 2010

William Hicks  
Radiation Safety Officer  
Mosaic Potash Hersey, LLC  
1395 135<sup>th</sup> Avenue  
Hersey, MI 49639

Dear Mr. Hicks:

Enclosed is Amendment No. 12 to your NRC Material License No. 21-25993-01 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

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.

**We also reformatted your license to be more standardized with the sample license found in NUREG 1556, Vol. 14, June 2000, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Well Logging, Tracer, and Field Study Licenses."** This required renumbering of many of your license conditions.

**In our telephone conversation record date March 18, 2010, we requested limited specific information about your radium-226 gauge in order to complete our review of your letter dated December 21, 2009.**

**We noted that your application dated June 3, 2010 and your letter dated June 7, 2010 contained sufficient information to complete our review. In addition, it appears that you attached extraneous information that we did not request or need to complete this review. The information submitted almost constituted an entire license application.**

**In the future please kindly refrain from submitting extraneous information/documents. Thank you in advance for your cooperation.**

**If you have any questions concerning this amendment, please contact me at (630) 829-9752 or (800) 522-3025, ext. 9752.**

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

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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 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.

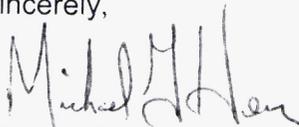
This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions.

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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,

A handwritten signature in black ink, appearing to read "Michael G. Herr". The signature is written in a cursive style with some capital letters.

Michael G. Herr, CHP  
Materials Licensing Branch

License No. 21-25993-01  
Docket No. 030-30895

Enclosure:

Amendment No. 12