

9 April 2008

BY FAX: 630-515-1078

**SUBJECT: Response to telephone request for information. Ref. Control 316850
Licensees Authorized to Possess Certain Radioactive Materials of Concern
Order Imposing Increased Controls
Licensee: # 13-10455-01 SABIC Innovative Plastics, Inc.**

Region 3 NRC

Dear Toye Simmons,

This letter serves as a response to your April 8, 2008 telephone request for SABIC Innovative Plastic Mt. Vernon, LLC to respond in writing stating that our FIXED GAUGES are not subject to the Increased Controls requirements because they ARE NOT IN AGGREGATE OR COLLOCATED.

SABIC Innovative Plastic Mt. Vernon, LLC has determined that compliance with the requirements is unnecessary in the specific circumstances for license 13-10455-01 based on NRC Order EA-05-090, Table 1: Radionuclides of Concern, Quantity of Concern. Justification is presented in the following paragraphs as required by section III.B.1(2) of the order.

License 13-10455-01

License 13-10455-01 includes two (2) materials of concern as provided in Table 1 of the order: Co-60 and Cs-137.

- No single source individually exceeds the quantity of concern.
- None of the Co-60 or Cs-137 fixed gauge sources can be considered in aggregate or collocated based on the supplemental guidance provided in the NRC's June 26, 2006 letter, Question and Answer S3. Also see attached procedure "Control of Radioactive Nuclear Sources".

Please contact me at 812-831-7397 or randy.boyer@SABIC-ip.com should you have any questions.

Sincerely,



Randy R. Boyer
Radiation Safety Officer
SABIC Innovative Plastics Mt. Vernon, LLC

bcc: Mark Klein
Al McMahan

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Published Wednesday, March 05, 2008 7:14:31 AM _____ Revision 1

The purpose of this document is to explain the process used to secure and control radioactive nuclear sources in the Crystalline Resin Operation.

Security of the radioactive nuclear sources is required to keep them from qualifying as co-located or aggregate which would impose increased controls under NRC Order EA-05-090, Licensees Authorized to Possess Certain Radioactive Materials of Concern, Order Imposing Increased Controls (Effective Immediately).

The order states that we would have to impose increased controls, such as fingerprinting, background checks, etc. if we have any one source larger than 27 curies or an aggregate of sources totaling 27 curies. In aggregate the sources in Crystalline Resin total 45 curies and if more than 2 sources are unlocked at one time we would be in violation of the order.

Locks were installed on the nuclear sources in Crystalline Resin as a second line of security. By adding this second line of security, the nuclear sources do not qualify as co-located or aggregate, freeing us from imposed increased controls.

In order to maintain compliance with NRC Order EA-05-090, only one nuclear source will be unsecured at a time. Under no circumstance will more than one nuclear source be unsecured at the same time.

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