



The Chemical Company

Fax Cover Sheet

To: LOWEN HUETER From: DEREK HINES

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Phone: \_\_\_\_\_ Phone: (734) 324-\_\_\_\_\_

Date: 4/22/08

Pages: 5 (Including Cover Sheet)

Subject: REVISED LETTER + AMENDMENT TABLE B.1

cc: \_\_\_\_\_

Comments:

HERE ARE THE REQUESTED  
REVISIONS TO LETTER + TABLE B.1



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Helping Make  
Products Better™

April 22, 2008

United States Nuclear Regulatory Commission  
Region III  
Nuclear Materials Licensing Branch  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Subject: **License Amendment Application**  
Mail Control Number (316868)

Dear Mr. Loren Hueter:

Per our conversation earlier today, I'm resubmitting this cover letter and Table B.1 with your requested changes. Listed below are the requested modifications:

- 1) Add six new Kay-Ray/ Sensall fixed gauge sources model 7062B (SSDR TX-0634-D-172-B) to our license. The two previously listed GL sources will be sent to manufacturer to be reissued as specifically licensed sources.
- 2) Add four new Thermo Fisher Scientific/ TN Technologies fixed gauge sources model 5205 (TX-0634-D-142-B).
- 3) Remove three Texas Nuclear sources from our current license. The ownership of these sources was transferred to Thermo MeasureTech in 2002 for disposal. BASF has provided copies of Acknowledgement of Receipt of Radioactive Material certificate from Thermo Measure Tech, wipe tests results for those sources and BASF Shipping Documentation.
- 4) Remove three Nickel-63 sources currently installed in Agilent GC 6890 ECD model 2397A, HP GC 6890 ECD model 2397A & HP GC 5890 ECD model 1223A which are covered under SSDR NR-0348-D-111-B as generally licensed sources. These sources no longer need to be listed on our specific license, since their general license application has been verified. A copy of the SSDR information has been provided.

You can reach me at (734) 324-5282 or email me at [derek.hetes@basf.com](mailto:derek.hetes@basf.com) with any questions or concerns.

Sincerely,

Derek Hetes  
Radiation Safety Officer/ EHS Team Member  
BASF- Wyandotte Site

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## Exhibit Items Addressing Parts 5 - 11 Of Material License Application (NRC Form 313)

Table B.1 Items 5 &amp; 6: Materials To Be Possessed and Proposed Uses

Yes	No	Radioisotope	Manufacturer Model No.	Quantity	Use as Listed on SSD Certificate	Other uses not listed on SSD Certificate
X		Cesium-137	Ohmart Model 2000	300 mCi	Yes[ x ] Specific description of the gauge use: <u>Used in Ohmart SHD for level gauging system.</u>	[ x ] Not applicable
	X	Cesium-137	Texas Nuclear Model 5206	200 mCi	Removed from service and transferred ownership to Thermo MeasureTech in 2002.	[ x ] Not applicable
	X	Cesium-137	Texas Nuclear Model 5205	50 mCi	Removed from service and transferred ownership to Thermo MeasureTech in 2002.	[ x ] Not applicable
	X	Cesium-137	Texas Nuclear Model 5205	50 mCi	Removed from service and transferred ownership to Thermo MeasureTech in 2002.	[ x ] Not applicable
X		Nickel-63	Hewlett-Packard Model # 1223A	15 mCi	Yes[ x ] Specific description of the gauge use: <u>Generally licensed ECD used in Hewlett Packard gas chromatograph (GC) 5890.</u>	[ x ] Not applicable
X		Nickel-63	Hewlett-Packard Model # G2397A	15 mCi	Yes[ x ] Specific description of the gauge use: <u>Generally licensed ECD used in Hewlett Packard GC 6890.</u>	[ x ] Not applicable
X		Nickel-63	Agilent Technologies Model # G2397A	15 mCi	Yes[ x ] Specific description of the gauge use: <u>Generally licensed ECD used in Agilent GC 6890.</u>	[ x ] Not applicable



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<b>Table B.1 Items 5 &amp; 6: Materials To Be Possessed and Proposed Uses</b>						
<b>Yes</b>	<b>No</b>	<b>Radioisotope</b>	<b>Manufacturer Model No.</b>	<b>Quantity</b>	<b>Use as Listed on SSD Certificate</b>	<b>Other uses not listed on SSD Certificate</b>
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	10 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	10 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	25 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	25 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	25 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	25 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable
		Cesium-137	Kay-Ray/ Sensall Model # 7062B	25 mCi	Yes[ x ] Specific description of the gauge use: <u>To be used in Kay-Ray Model level gauging system upon arrival at site 2Q 2008.</u>	[ x ] Not applicable

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Table B.1 Items 5 & 6: Materials To Be Possessed and Proposed Uses						
Yes	No	Radionuclide	Manufacturer Model No.	Quantity	Use as Listed on SSD Certificate	Other uses not listed on SSD Certificate
New		Cesium-137	Thermo Fisher Scientific/ TN Technologies, Model #5205	10 mCi	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>To be used in TN Technologies level gauging system upon arrival at site 2Q 2008.</u>	<input checked="" type="checkbox"/> Not applicable
New		Cesium-137	Thermo Fisher Scientific/ TN Technologies, Model #5205	10 mCi	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>To be used in TN Technologies level gauging system upon arrival at site 2Q 2008.</u>	<input checked="" type="checkbox"/> Not applicable
New		Cesium-137	Thermo Fisher Scientific/ TN Technologies, Model #5205	10 mCi	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>To be used in TN Technologies level gauging system upon arrival at site 2Q 2008.</u>	<input checked="" type="checkbox"/> Not applicable
New		Cesium-137	Thermo Fisher Scientific/ TN Technologies, Model #5205	10 mCi	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: <u>To be used in TN Technologies level gauging system upon arrival at site 2Q 2008.</u>	<input checked="" type="checkbox"/> Not applicable