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December 21, 2004

U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

MS16
P-7

Attn.: Thomas K. Thompson

License No. 37-30408-01
Docket No. 030-34522
Control No. 135938

**Subject: Response to NRC Request for Additional Information Concerning
Application for Amendment to License, Control Number 135938**

Dear Mr. Thompson:

The following information is provided in response to your letter of December 2, 2004 requesting further information on the MPM Technologies, Inc. request for a license amendment. Since there has been no contamination of MPM equipment or facilities in the capsule testing work performed to date, experience at MPM indicates that the only significant cost for decommissioning is waste disposal. Therefore, we have estimated the cost of disposal for the radioactive material now in storage plus the additional material that would be obtained under the license amendment request. The current disposal charges at the Chem-Nuclear site in Barnwell, SC were used in the estimate. The DOT 7A shipping container described in the amendment request would be used as the shipping container and the disposal container for the material in the surveillance capsules described in the amendment. Gross weight will be about 1390 pounds with a total activity of about 2.3 Ci. This material is Class B waste under 10CFR61 and requires a high-integrity container for disposal. The remainder of the waste is Class A and can be disposed as normal DAW (dry active waste). The volume of DAW is anticipated to be about 3 ft³ with an activity of about 30 mCi. All the material can be shipped as Type A material or LSA. Shipment would be by exclusive use carrier or by a radioactive waste broker. The estimated cost for disposal is shown below.

Disposal	6 ft3 @ \$600/ft3	\$3,600
HIC		\$2,500
Transportation		\$2,020
Permits		<u>\$ 200</u>
	Total	\$8,320

The estimated cost is within the \$10,000 of the current financial assurance amount.

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NMSS/RGNI MATERIALS-002

If you have any questions about the above please contact me at the letterhead address or Rodger Granlund, the RSO, at 814 238-1971.

Sincerely,

MP Manahan, Sr.

Dr. Michael P. Manahan, Sr.
President
MPM Technologies, Inc.

cc: Rodger Granlund/RSO