



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

January 7, 2005

Docket No. 03034522  
Control No. 135938

License No. 37-30408-01

Michael P. Manahan, Ph.D.  
President  
MPM Technologies  
2161 Sandy Drive  
State College, PA 16803-2283

SUBJECT: MPM TECHNOLOGIES, ISSUANCE OF LICENSE AMENDMENT, CONTROL  
NO. 135938

Dear Dr. Manahan:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

*An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).*

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the NRC Public Document Room pending resumption of public access to ADAMS. The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or [pdr@nrc.gov](mailto:pdr@nrc.gov).

Thank you for your cooperation.

Sincerely,

***Original signed by Thomas K. Thompson***

Thomas K. Thompson  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

M. Manahan  
MPM Technologies

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Enclosure:  
Amendment No. 3

cc:  
Roger Granlund, Radiation Safety Officer

DOCUMENT NAME: E:\Filenet\ML050070254.wpd

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI		DNMS/RI			
NAME	TThompson/TKT							
DATE	1/7/05							

OFFICIAL RECORD COPY

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. MPM Technologies, Inc.</p> <p>2. 2161 Sandy Drive State College, Pennsylvania 16803-2283</p>	<p>In accordance with the letter dated July 19, 2000,</p> <p>3. License number 37-30408-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2007</p> <hr/> <p>5. Docket No. 030-34522 Reference No.</p>
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|---|----------------------------------|--|
| 6. Byproduct, source, and/or special nuclear material               | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Any byproduct material with atomic numbers 3 through 83          | A. Any                           | A. 1 millicurie  |
| B. Any byproduct material with atomic numbers 24 through 28, and 64 | B. Any                           | B. 500 millicuries   |
| C. Iron 55  | C. Any                           | C. 5 curies  |

9. Authorized use:

A. through C. Research and development as defined in 10 CFR 30.4.

**CONDITIONS**

10. Licensed material may be used only at the licensee's facilities located at 2161 Sandy Drive, State College, Pennsylvania.
11. A. Licensed material shall be used by, or under the supervision of, Michael P. Manahan or Rodger W. Granlund.
- B. The Radiation Safety Officer for this license is Rodger W. Granlund.

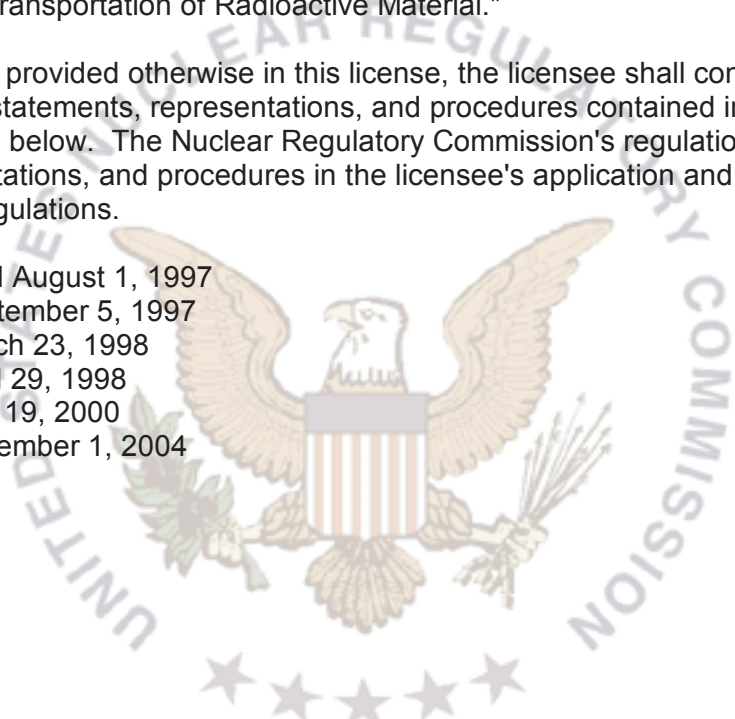
**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
37-30408-01

Docket or Reference Number  
030-34522

Amendment No. 03

- 12. Licensed material shall not be used in or on human beings.
- 13. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Application dated August 1, 1997
  - B. Letter dated September 5, 1997
  - C. Letter dated March 23, 1998
  - D. Letter dated April 29, 1998
  - E. Letter dated July 19, 2000
  - F. Letter dated November 1, 2004



For the U.S. Nuclear Regulatory Commission

***Original signed by Thomas K. Thompson***

Date January 7, 2005  
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By \_\_\_\_\_  
Thomas K. Thompson  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406