



GATEWAY

On Call. On Time. On Target.

THE GATEWAY ENGINEERS, INC.

400 HOLIDAY DRIVE, SUITE 300
PITTSBURGH, PA 15220-2727
412.921.4030 PHONE
412.921.9960 FAX

April 26, 2007
Request for Transfer of License
Page 1

www.gatewayengineers.com

April 26, 2007

Ind 13
030-20604

VIA CERTIFIED MAIL

Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
Region I
King of Prussia, PA 19406

RECEIVED
REGION I
2007 MAY -2 PM 12: 18

Att: Jenny Johansen

Re: Request for Transfer of License
Engineering Mechanics License No. 37-21400-01

Dear Ms. Johansen:

The Gateway Engineers, Inc. (Gateway) requests from the Nuclear Regulatory Commission (NRC) a transfer of The Engineering Mechanics, Inc. License No. 37-21400-01 to the Gateway Engineers, Inc. for Troxler Electronic Laboratories Model 3400-B Series portable gauging devices for measuring physical properties of materials. Gateway has recently acquired Engineering Mechanics, Inc., who is the current licensee of these devices. Engineering Mechanics, Inc. will be moving its offices to Gateway on April 25th, 2007. We have contacted the Pennsylvania Department of Environmental Protection's Bureau of Radiation Protection who provided Appendix F instructions for the procedure for the transfer of control. The following are our responses in bold to the requirements regarding this transfer as provided by the Bureau of Radiation Protection.

1. Provide a complete description of the transaction (transfer of stocks or assets, or merger). Indicate whether the name has changed and include the new name. Include the name and telephone number of a licensee contact who NRC may contact if more information is needed.

Response: Gateway has recently purchased certain assets from Engineering Mechanics, Inc. (EMI) with a current office location of 4636 Campbells Run Road, Pittsburgh, PA 15205. The staff will be moving into Gateway's corporate headquarters at 400 Holiday Drive, Suite 300, Pittsburgh, PA 15220-2727. There was no transfer of stock, and EMI discontinued operations on April 25th, 2007.

NMSS/RGNI MATERIALS-002

140513



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2. Describe any changes in personnel or duties that relate to the licensed program. Include training and experience for new personnel.

Response: There will not be any changes in personnel or duties that relate to the licensed program. Currently, the radiation safety officer for this license is Guy A. Dotchin. Mr. Dotchin will continue with his duties as set forth in the license for gauges.

3. Describe any changes in the organization, location, facilities, equipment or procedures that relate to the licensed program.

Response: The gauges will be transferred from the offices of EMI located at 4636 Campbells Run Road, Pittsburgh, PA 15205 to the corporate headquarters of Gateway, located at 400 Holiday Drive, Suite 300, Pittsburgh, PA 15220-2727. Enclosed is a diagram of the storage area at Gateway. All monitoring and record keeping will be performed as required by the guidelines of the NRC.

4. Describe the status of the surveillance program (surveys, wipe tests, quality control) at the present time and the expected status at the time that control is to be transferred.

Response: EMI under the direction of Mr. Dotchin has administered a surveillance program for the gauges under the requirements of the license and all the requirements are consistently met and kept current. Mr. Dotchin will continue to administer these same procedures with Gateway.

5. Confirm that all records concerning the safe and effective decommissioning of the facility will be transferred to the transferee or to NRC, as appropriate. These records include documentation of surveys of ambient radiation levels and fixed and/or removable contamination, including methods and sensitivity.

Response: All records concerning the safe and effective decommissioning of the 4636 Campbells Run Road site will be transferred to Gateway's headquarters. These records will include documentation of surveys of ambient radiation levels and fixed and/or removable contamination, including methods and sensitivity. A letter from EMI regarding this is enclosed.



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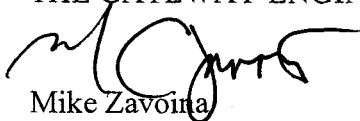
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6. Confirm that the transferee will abide by all constraints, conditions, requirements and commitments of the transferor or that the transferee will submit a complete description of the proposed licensed program.

Response: Gateway will abide by all the constraints, conditions, and requirements of EMI to comply with the requirements of the license program.

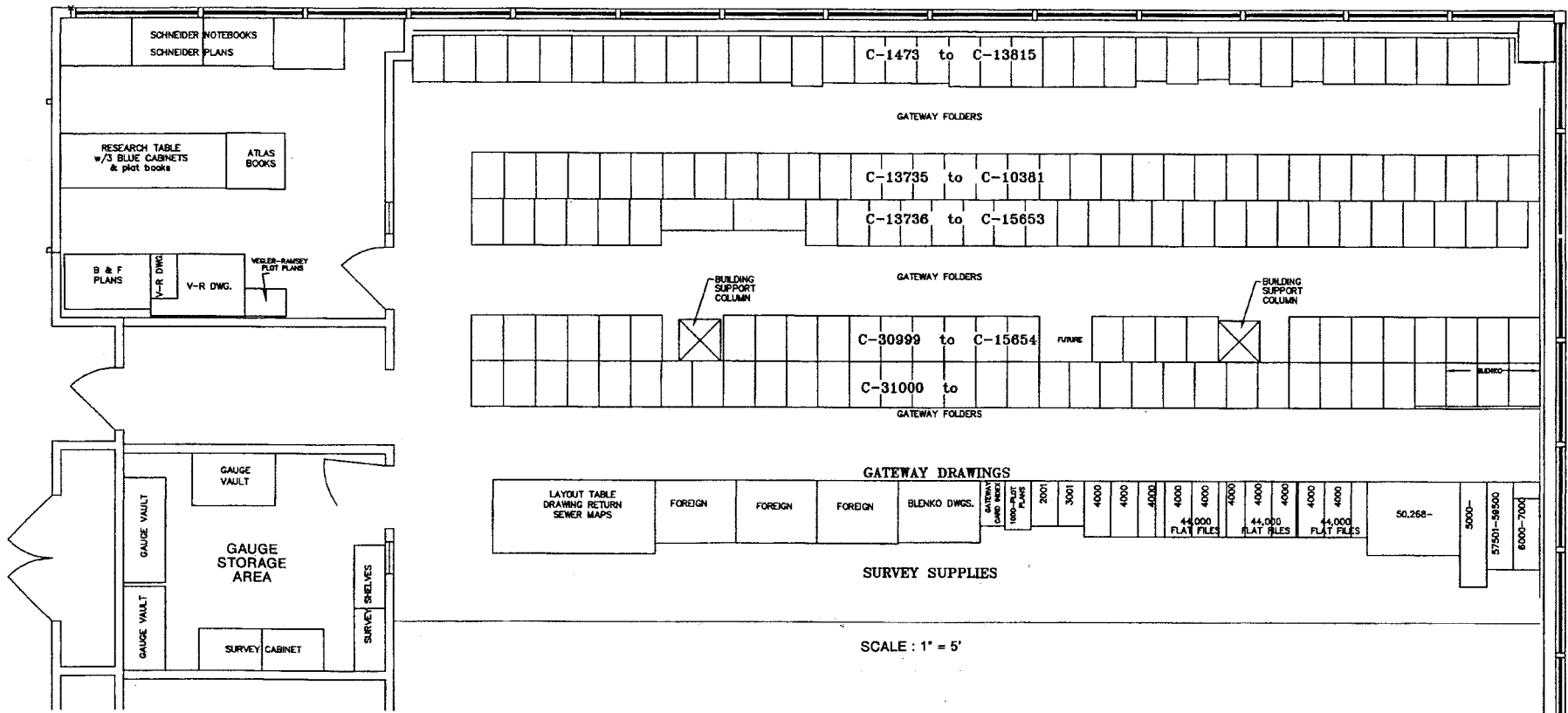
If you have any questions, about this transfer of license, please contact the undersigned at 412-921-4030, Ext. 148.

Sincerely,
THE GATEWAY ENGINEERS, INC.



Mike Zavoita
Chief Financial Officer

cc: Joe Fagan, P.E., EMI
Guy Dotchin, EMI
Joseph H. Sites, P.E., The Gateway Engineers, Inc.



ENGINEERING MECHANICS, INC.

CONSULTING GEOTECHNICAL ENGINEERS
4636 CAMPBELLS RUN ROAD
PITTSBURGH, PENNSYLVANIA 15205

PHONE 412/788-3650
FAX 412/787-5891

April 25, 2007

Joseph H. Sites, P.E.
Radiation Safety Officer
The Gateway Engineers, Inc.
400 Holiday Drive, Suite 300
Pittsburgh, PA 15220-2727

Dear Joe:

For your records, the following gauges were permanently transferred to The Gateway Engineers, Inc.; License No. PA-0741:

Troxler Electronics Model 3411, Serial Nos. 10893, 10930, and 12839

Enclosed is a copy of our license, material transfer sheets, and current leak tests.

Respectfully submitted,
ENGINEERING MECHANICS, INC.

BY: 
Guy A. Dotchin
Radiation Safety Officer

GAD/sl

Enclosures

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. Engineering Mechanics, Inc.</p> <p>2. 4636 Campbells Run Road Pittsburgh, Pennsylvania 15205</p>	<p>In accordance with the application dated August 7, 2003</p> <p>3. License number 37-21400-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2013</p> <hr/> <p>5. Docket No. 030-20604 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p> <p>B. Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources (Troxler Drawing No. A-102112)</p> <p>B. Sealed neutron sources (Troxler Drawing No. A-102451)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p> <p>B. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p>
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9. Authorized use:

A. and B. In Troxler Electronic Laboratories Model 3400-B Series portable gauging devices for measuring physical properties of materials.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
37-21400-01Docket or Reference Number
030-20604

Amendment No. 5

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 4636 Campbells Run Road, Pittsburgh, Pennsylvania and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated August 7, 2003.
- B. The Radiation Safety Officer for this license is Guy A. Dotchin.
12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing decommissioning financial assurance.
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

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SUPPLEMENTARY SHEET**License Number
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030-20604

Amendment No. 5

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.
17. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
18. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
- B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U.S. Nuclear Regulatory Commission and submit the report required by

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SUPPLEMENTARY SHEET**License Number
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10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.

19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. 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 U.S. 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 7, 2003

For the U.S. Nuclear Regulatory Commission

Date August 14, 2003

By Original signed by Jenny Johansen
Jenny Johansen
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

44070094

ENGINEERING MECHANICS, INC.

CONSULTING GEOTECHNICAL ENGINEERS
4636 CAMPBELLS RUN ROAD
PITTSBURGH, PENNSYLVANIA 15205

PHONE 412/788-3650
FAX 412/787-5891

REPORT OF RADIOACTIVE MATERIAL TRANSFER

Date April 25, 2007

DEVICE

Moisture Density Gauge

Manufacturer Troxler
Model No. 3411-B
Serial No.: 10893

SEALED SOURCES

<u>Am-241:Be</u> (Nuclide)	<u>47-6290</u> (Serial No.)
<u>Cs-137</u> (Nuclide)	<u>40-8314</u> (Serial No.)

TRANSFER INFORMATION

Transferred to: The Gateway Engineers, Inc. How Shipped: delivered by authorized
400 Holiday Drive, Suite 300 personnel
Pittsburgh, PA 15220-2727

D.O.T. Radioactive Label Affixed to Container: Yellow II

Transfer Prepared by Guy A. Dutton Date 4/25/07
(signature)
Transfer Received by Joel P. Loh Date 4/25/07
(signature)

ENGINEERING MECHANICS, INC.

CONSULTING GEOTECHNICAL ENGINEERS
4636 CAMPBELLS RUN ROAD
PITTSBURGH, PENNSYLVANIA 15205

PHONE 412/788-3650
FAX 412/787-5891

REPORT OF RADIOACTIVE MATERIAL TRANSFER

Date April 25, 2007

DEVICE

Moisture Density Gauge

Manufacturer Troxler
Model No. 3411-B
Serial No.: 10930

SEALED SOURCES

<u>Am-241:Be</u> (Nuclide)	<u>47-6329</u> (Serial No.)
<u>Cs-137</u> (Nuclide)	<u>40-8353</u> (Serial No.)

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Transferred to: The Gateway Engineers, Inc. How Shipped: delivered by authorized
400 Holiday Drive, Suite 300 personnel
Pittsburgh, PA 15220-2727

D.O.T. Radioactive Label Affixed to Container: Yellow II

Transfer Prepared by Gary A. Datta Date 4/25/07
(signature)

Transfer Received by Joseph P. Luke Date 4/25/07
(signature)

ENGINEERING MECHANICS, INC.

CONSULTING GEOTECHNICAL ENGINEERS
4636 CAMPBELLS RUN ROAD
PITTSBURGH, PENNSYLVANIA 15205

PHONE 412/788-3650
FAX 412/787-5891

REPORT OF RADIOACTIVE MATERIAL TRANSFER

Date April 25, 2007

DEVICE

Moisture Density Gauge

Manufacturer Troxler
Model No. 3411-B
Serial No.: 12839

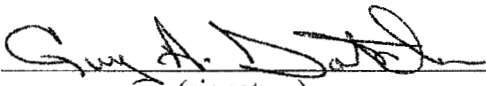
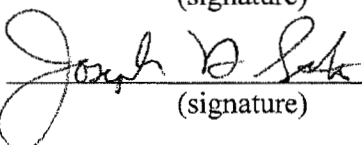
SEALED SOURCES

<u>Am-241:Be</u> (Nuclide)	<u>47-8086</u> (Serial No.)
<u>Cs-137</u> (Nuclide)	<u>50-0623</u> (Serial No.)

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400 Holiday Drive, Suite 300 personnel
Pittsburgh, PA 15220-2727

D.O.T. Radioactive Label Affixed to Container: Yellow II

Transfer Prepared by  Date 4/25/07
(signature)
Transfer Received by  Date 4/25/07
(signature)

LEAK TEST CERTIFICATE

Wipe Date 12/5/06

DESCRIPTION OF DEVICE/SOURCE

Model 7411 B Ser 10930
SOURCE 1: SOURCE 2
Material Am 241 BE CS137
Source Ser 47-6329 40-8353
RSO Name GUY DOTCHIN
Telephone (42) 728-2650

Do Not Write In This Space
For HSI Use Only

REMOVABLE ACTIVITY

Beta 0 uCi Gamma 0 uCi
Humboldt Scientific
By DOT U.
Date 12/13/04

Instructions

- 1 Use wipe procedures as described in the device manual.
- 2 Enter all information under description.
- 3 Print or type return address in the space provided.
- 4 Wipe source (s) and put filter paper in the plastic bag.
- 5 Keep the middle copy and mail this form and bag to Humboldt.
- 6 Regulations require that sources with removable activity greater than 0.005 uCi be removed from service for repair and decontamination or disposal. Authorities must be notified.

5200174
Return
Address
Label
Please
Type or
Print
Clearly

ENGINEERING MECHANICS INC
4636 CAMPBELLS RUN RD
PITTSBURGH PA 15205

HUMBOLDT SCIENTIFIC INC. 551D Pylon Drive, Raleigh, NC 27606, (919) 832-6509

LEAK TEST CERTIFICATE

Wipe Date 12/5/06

DESCRIPTION OF DEVICE/SOURCE

Model 3411B Ser 12839

SOURCE 1 SOURCE 2

Material AM241BE CS137

Source Ser 47-8086 50-0623

RSO Name GUY DOTCHIN

Telephone (412) 788-3650

Do Not Write In This Space
For HSI Use Only

REMOVABLE ACTIVITY

Beta/Gam Alpha

0 uCi 0 uCi

Humboldt Scientific

By DOT U.

Date 12/13/06

Instructions

- 1 Use wipe procedures as described in the device manual.
- 2 Enter all information under description.
- 3 Print or type return address in the space provided.
- 4 Wipe source (s) and put filter paper in the plastic bag.
- 5 Keep the middle copy and mail this form and bag to Humboldt.
- 6 Regulations require that sources with removable activity greater than 0.005 uCi be removed from service for repair and decontamination or disposal. Authorities must be notified.

5200174
Return
Address
Label
Please
Type or
Print
Clearly

- ENGINEERING MECHANICS INC
- 4636 CAMPBELLS RUN RD
- PITTSBURGH PA 15205

HUMBOLDT SCIENTIFIC INC. 551D Pylon Drive, Raleigh, NC 27606, (919) 832-6509

This is to acknowledge the receipt of your letter/application dated

4/26-2007, and to inform you that the initial processing which includes an administrative review has been performed.

Amend. 37-21400-01
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 140513.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.