

# Oxford Valley Diagnostic Center

330 Middletown Blvd- #401  
The Courtyard At Oxford Valley  
Langhorne, PA 19047  
215-752-8080 - Phone  
215-752-4805 - Fax  
www.mrii.com

October 23, 2007

NMSB2

United States Nuclear Regulatory Commission  
Nuclear Materials Safety Branch  
Licensing Assistance Section  
475 Allendale Road  
King of Prussia, PA 19406-1415

03014566

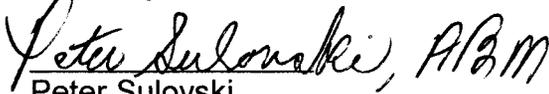
Re: NRC License No. 37-18146-01

To Whom It May Concern,

RECEIVED  
REGION 1  
2007 OCT 25 PM 12: 12

Oxford Valley Diagnostic Center would like to inform you that effective today, we will no longer be performing general Nuclear Medicine or PET imaging procedures and wish to terminate our license. A copy of our final survey and wipe test has been completed by our consulting Medical Physicist and Radiation Safety Officer, Ms. Janet Bryant to assure that all radioactive sources, waste has been removed and no residual contamination or radioactive materials are present. All areas surveyed are less than 0.5 mR/hr, and wipe tests performed for removable contamination are less than 2000 dpm/100 cm<sup>2</sup>. Our last PET imaging procedure was performed on October 8, 2007 and our last Nuclear Medicine Procedure was performed on October 11, 2007. A copy of the final survey results is enclosed, as well as a disposition form indicating the transfer and disposal of our sealed sources. Should you have any questions, please feel free to contact me at 215-752-7212, or our Radiation Officer, Ms. Janet Bryant at her office at 908-788-9440, extension 40.

Sincerely,



Peter Sulovski  
Area Business Manager

CC. Ms. Janet Bryant  
Fax: 908-788-6757

141236

NMSS/RGN1 MATERIALS-002

(9-2007)  
10 CFR 30.36(j)(1); 40.42(j)(1);  
70.38(j)(1); and 72.54(k)(5)(1)(1)

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

### CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS  
*THE OXFORD VALLEY DIAGNOSTIC CENTER  
940 TOWN CENTER DRIVE, SUITE F-50  
LANGHORNE, PA. 19047*

LICENSE NUMBER  
*37-18146-01*

DOCKET NUMBER  
*03014566*

LICENSE EXPIRATION DATE  
*8/31/2014*

This license has expired.  **A. LICENSE STATUS (Check the appropriate box)**  
This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**  
(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)  
The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.

2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:

a. Transfer of radioactive materials to the licensee listed below: *NORTHEAST IMAGING  
8001 ROOSEVELT BLVD  
PHILA, PA 19152  
LICENSE # 37-28266-01*

b. Disposal of radioactive materials:

1. Directly by the licensee:  
*DECAY-IN-STORAGE*

2. By licensed disposal site:

3. By waste contractor: *SIEMENS MOLECULAR IMAGING, KNOXVILLE, TENNESSEE  
LICENSE # R-47123-110  
CARDINAL HEALTH, DUBLIN, OHIO  
LICENSE # 34-29200-01 M.D.*

c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

**C. SURVEYS PERFORMED AND REPORTED**

1. A radiation survey was conducted by the licensee. The survey confirms:

a. the absence of licensed radioactive materials

b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

2. A copy of the radiation survey results:

a. is attached; or  b. is not attached (Provide explanation);  c. was forwarded to NRC on: \_\_\_\_\_ Date

3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

a. The results of the latest leak test are attached; and/or  b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
<i>JANET BRYANT</i>	<i>RADIATION SAFETY OFFICER</i>	<i>908-788-9440</i>	<i>JBryant@oxfordvalley.com</i>

Mail all future correspondence regarding this license to:  
*OXFORD VALLEY DIAGNOSTIC CENTER 330 MIDDLE TOWN BLVD LANGHORNE, PA 19047*

**C. CERTIFYING OFFICIAL**  
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE	SIGNATURE	DATE
<i>Peter Sulowski, ABM</i>	<i>[Signature]</i>	<i>10/24/07</i>

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

*141236*

**OXFORD VALLEY PET**  
 940 Town Center Drive, Suite F-50  
 Langhorne, PA 19047

**DECAY TO BACKGROUND DISPOSAL LOG**

**Instructions:**

- 1) Complete "Date Sealed", "Isotope(s)" and "Description" at the time a waste container is sealed and placed in decay storage. Complete rest of line after half-lives.
- 2) Isotopes **MUST** be held for a minimum of ten (10) half-lives.
- 3) Trash must be surveyed with an appropriate detector at the time of final disposal. If survey results are above background, waste cannot be disposed of as non-radioactive. Hold and re-survey at a later date.
- 4) If survey results are negative, remove any radioactive stickers and dispose of the waste as appropriate for its non-radioactive waste category (e.g. regular, chemical, animal, etc.).
- 5) Each line must be filled in completely, including the name of the person performing the final survey and disposal.

Date Sealed	Isotope(s)	Description	Date Disposed	Survey Instrument	Background Reading	Surface Reading	Name
8/30/07	F18	needles	9/4/07	Ludlum	.02	.02	LM
9/10/07	F18 TC99m	BAG & needles	10/17/07	Ludlum	.02	.02	BMC
9/26/07	F18	needles	10/1/07	Ludlum	.02	.02	BMC
10/4/07	F18 TC99m	Bag & needles	10/11/07	Ludlum	.02	.02	BMC

*Final waste disposal.*  
*J Bryant, MS, RSO*  
*10/23/07*

**OXFORD VALLEY DIAGNOSTIC CENTER  
OXFORD VALLEY PET/NUCLEAR MEDICINE  
WEEKLY SURVEY AND WIPE TEST**

*Janal Beyond*

Date: October 23, 2007

Tech: Janal Beyond, MS, RSO

Meter: Ludlum 14c

Background: 0.02 mR/hr

SN: 191314 (#1)

or

SN: 59902 (#2)

Wipe Test: Caprac

S/N: 001336

	SURVEY (mR/hr)	WIPE TEST (D.P.M.)
<b>A. Hot Lab</b>		
1. Counter	0.03	23
2. L. Block	0.03	18
3. Floor	0.02	21
4. Counter	0.03	17
5. Waste Can	0.03	12
6. Syringe Waste Module	0.02	22
<b>B. PET Scanner Room</b>		
1. Table	0.02	0
2. Floor	0.02	10
3. Source Storage	0.02	8
<b>C. Quiet Room A</b>		
1. Injection chair	0.02	14
2. Floor	0.02	10
3. Cold Waste Can	0.02	7
<b>D. Quiet Room B</b>		
1. Injection Chair	0.03	0
2. Floor	0.02	5
3. Cold Waste Can	0.02	11
<b>E. Injection Room</b>		
1. Chair	0.02	2
2. Floor	0.02	5
3. Cold Waste Can	0.02	14
<b>F. Hot Toilet</b>		
		3
<b>G. General Camera Room</b>		
1. Table	0.02	19
2. Floor	0.02	7
3. Cold Waste Can	0.02	14

All areas surveyed must be <5.0 mR/hr and 20,000 DPM (restricted) and <0.5 mR/hr and 2,000 DPM underrestricted. *all areas less than 0.5 mR/hr and 200 DPM. Area permitted for release.*  
Area requiring decontamination: *None.*

RSO Signature: Janal Beyond, MS

JB/tlb



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF RADIOLOGICAL HEALTH

**RADIOACTIVE MATERIAL LICENSE**

**Amendment 36**

Page 1 of 1 Page

License Number R-47122-110

Siemens Molecular Imaging  
810 Innovation Drive  
Knoxville, Tennessee 37932

Attention: Anthony Hogan, Corporate Radiation Safety Officer

As requested by Anthony Hogan and in accordance with his letter dated June 29, 2005, with attachments, your Tennessee Radioactive Material License number R-47122-110 is amended as follows:

To change Item 1 and Condition 21. This item and this condition will now read as follows:

1. Siemens Molecular Imaging
21. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in the following:
  - Application dated May 22, 1995, with attachments
  - Letters dated July 17, 1995, with attachment, July 31, 1995, with attachments, August 1, 1995, August 17, 1995, with attachment, September 8, 1995, January 4, 1996, September 10, 1997, May 21, 1998, with attachments, October 26, 1998, with attachment, March 29, 1999, with attachments, April 30, 1999, with attachments, July 18, 2000, with attachments, August 31, 2000 (three letters with this date), with attachments, January 26, 2001, with attachment, August 14, 2001, August 23, 2001, with attachments, September 21, 2001, with attachments, October 4, 2001, with attachment, December 21, 2001, with attachments, June 5, 2002, with attachments, August 8, 2002, with attachments, December 30, 2002, with attachments, January 5, 2003, April 21, 2003, with attachments, January 30, 2004, February 20, 2004, with attachments, June 2, 2005, (two letters with this date), June 14, 2005, and June 29, 2005, with attachments.

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This amendment is considered effective June 10, 2005.

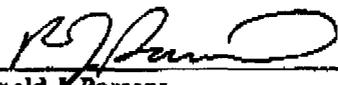
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All other parts of this license remain unchanged.

Date: July 11, 2005

For the Commissioner  
Tennessee Department of  
Environment and Conservation

By

  
\_\_\_\_\_  
Ronald J. Parsons  
Health Physicist  
Division of Radiological Health

Sources Returned 10/10/07

### RETURN SOURCE PACKING LIST

40.0 mCi/hr Surface  
1.2 mCi/hr @ 1 meter

**FROM:**

Company Name OXFORD VALLEY PET

Address 940 TOWN CENTER DR. F50

City LANEHORNE State PA

Zip 19047

Contact Name CHRISTINE RAUSKI

Phone Number 215-752-7212

**SHIP TO:**

**SIEMENS**

**Siemens Medical Solutions**

**810 Innovation Drive**

**Knoxville, TN 37932**

**ATTN: Source Department**

**SOURCE INFORMATION**

Isotope	Activity	Reference Date	Serial Number	Model/Description
<sup>67</sup> Ge/ <sup>67</sup> Ge	132 mCi	5/1/06	5456	CS-20-3
<sup>67</sup> Ge/ <sup>67</sup> Ge	197 mCi	5/1/06	5437	LS-accel
<sup>67</sup> Ge/ <sup>67</sup> Ge	129 mCi	2/25/07	3377	CS-20-3
<sup>67</sup> Ge/ <sup>67</sup> Ge	185 mCi	2/25/07	6624	LS-accel
<sup>67</sup> Ge/ <sup>67</sup> Ge	185 mCi	2/25/07	6625	LS-accel
<sup>67</sup> Ge/ <sup>67</sup> Ge	185 mCi	2/25/07	6626	LS-accel

If you would like a receipt acknowledgement for these sources please provide a valid FAX number below.

**FAX NUMBER:** 215-741-6369

**Received at Siemens Medical Solutions by:**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Comments: \_\_\_\_\_

DATE: 5/22/07

**BIO-MED ASSOCIATES, INC.**  
 4 MAIN STREET FLEMINGTON, NEW JERSEY 08822

908-788-9440  
 FAX 788-6757

SEALED RADIOACTIVE SOURCE WIPE TEST

HOSPITAL: Oxford Valley P.E.T & Diagnostic Center  
 TEST PROCEDURE:

Accessible areas of the source(s) were wiped with a cotton swab. The wipes were counted in a well-type scintillation detector with pulse height analyzer. The results are listed below:

ISOTOPE	MODEL NO. SERIAL NO.	ACTIVITY DATE	BACKGROUND (cpm)	WIPE (cpm)	REMOVABLE ACTIVITY (uCi)
137 (1) ✓ Co Vial	Sn: 986-15-24	7/1/03 196.2 uCi	231	254	4.5E <sup>-05</sup>
57 (2) ✓ Co Perfloran	PF 24R-057 Sn: 1205 163	11/1/07 10 mCi	231	273	8.0E <sup>-05</sup>
57 (3) Co Vial	Bm06-57 Bm0657-011-23	11/10/03 5.6 mCi	231	250	4.5E <sup>-05</sup>
137 (4) Co Vial	NES 354 354019910	11/21/79 219 uCi	231	268	8.0E <sup>-05</sup>
137 (5) Co	NES 358 3581178427	11/22/78 200 uCi	231	266	8.0E <sup>-05</sup>

INSTRUMENTATION: Manufacturer Capintec  
 Model No. Caprac  
137Co (e. source 7/1/03) Standard counted 278, 500 cpm.  
 Therefore 0.005uCi equals 2785 net cpm.

COMMENTS: No leakage; Sources (1), (3), (4), (5) sent to Cardinal Health for disposal

Janet Bryant, MS  
 Health Physicist

Reviewed by: Janet Bryant, MS  
 Radiation Safety Officer

Official Use Only - Security-Related Information

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

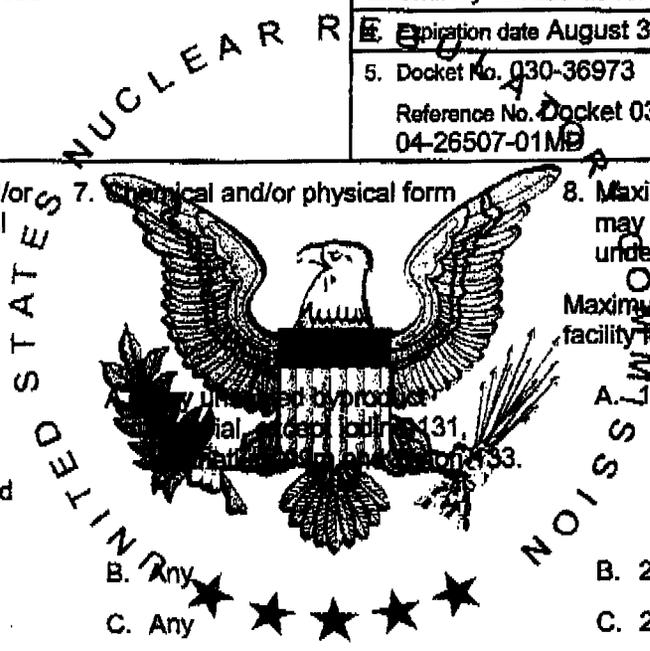
PAGE 1 OF 8 PAGES  
Amendment No. 11

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>Licensee</p> <p>1. Cardinal Health Nuclear Pharmacy Services</p> <p>2. 7000 Cardinal Place Dublin, Ohio 43017</p>	<p>In accordance with the letters dated <b>December 18, 2006, and February 8, 2007,</b></p> <p>3. License number 34-29200-01MD is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2011</p> <hr/> <p>5. Docket No. 030-36973</p> <p>Reference No. Docket 030-33224 &amp; License No. 04-26507-01MD</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any unsealed byproduct material, except iodine-131, technetium-99m and xenon-133</p> <p>B. Molybdenum-99</p> <p>C. Technetium-99m</p> <p>D. Xenon-133</p> <p>E. Iodine-131</p> <p>F. Iodine-131</p> <p>G. Any byproduct material in a brachytherapy source listed in 10 CFR 35.400</p>	<p>7. Chemical and/or physical form</p> <p>A. Any unsealed byproduct material, except iodine-131, technetium-99m and xenon-133.</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Any</p> <p>F. Any</p> <p>G. Sealed sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>Maximum amount per licensed facility identified in Condition 10</p> <p>A. 1 Curie</p> <p>B. 200 curies</p> <p>C. 200 curies</p> <p>D. 5 curies</p> <p>E. 3 curies</p> <p>F. 5 curies for Bristol, Pennsylvania facility only</p> <p>G. 500 millcuries</p>
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DATE: 10/10/07

**BIO-MED ASSOCIATES, INC.**  
 2 MAIN STREET FLEETWINGTON, NEW JERSEY 08822

908-788-9440  
 FAX 788-6757

SEALED RADIOACTIVE SOURCE WIPE TEST

HOSPITAL: Oxford Valley PET & Diagnostic Center  
 TEST PROCEDURE:

Accessible areas of the source(s) were wiped with a cotton swab. The wipes were counted in a well-type scintillation detector with pulse height analyzer. The results are listed below:

ISOTOPE	MODEL NO. SERIAL NO.	ACTIVITY DATE	BACKGROUND (cpm)	WIPE (cpm)	REMOVABLE ACTIVITY (uCi)
57	PF24R-057-107M	10/10/07			
Co Penflorone	1205-1103	11/1/07	225	244	2.5E-05
57	SRV-057-5M	5.396mCi			
Co Vial	1206-11-20	7/30/07	225	221	0

INSTRUMENTATION: Manufacturer Caprotec  
 Model No. Caprac  
<sup>137</sup>Co (0.5uCi 7/10/03) standard counted 276092 cpm.  
 Therefore 0.005uCi equals 2761 net cpm.

COMMENTS: No leakage; Sources transferred to Northeast Imaging, Phila, Pa.  
J. Bejaral, MS  
 Health Physicist

Reviewed by: Same  
 Radiation Safety Officer

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 2 PAGES  
Amendment No. 07

### 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. Northeast Imaging</p> <p>2. Smylie Times Building 8001 Roosevelt Boulevard Philadelphia, Pennsylvania 19152</p>	<p>In accordance with the application dated May 17, 2004</p> <p>3. License number 37-28266-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date June 30, 2014</p> <hr/> <p>5. Docket No. 030-30928 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p>	<p>7. Chemical and/or physical form</p> <p>B. Any</p> <p>Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>B. As needed</p> <p>B. As needed</p>
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<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion procedure permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization procedure permitted by 10 CFR 35.200.</p>
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### CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at Smylie Times Building, 8001 Roosevelt Boulevard, Philadelphia, Pennsylvania.
- 11. The Radiation Safety Officer for this license is George L. Popky, M.D.
- 12. Licensed material is only authorized for use by, or under the supervision of:
  - A. Individuals permitted to work as an authorized user, in accordance with 10 CFR 35.13 and 35.14.
  - B. The following individuals are authorized users for medical use as indicated:

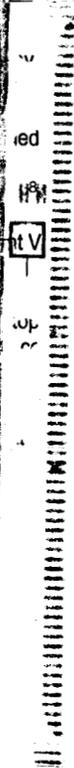
141236

**EXTREMELY URGENT**

**DO NOT SEND CASH, CASH EQUIVALENT OR  
DHL CANNOT DELIVER TO P.O.**

All services provided by DHL Express are subject to the DHL Terms and Conditions of Carriage as published on [www.dhl-usa.com](http://www.dhl-usa.com) and the DHL Waybill\*. DHL liability shall not exceed the declared value of the contents of the package. Ship Protection may be purchased upon request. If the shipment involves an ultimate destination in a country other than the country of departure, the Convention may apply.

\*Subject to change without notice.



<b>FROM</b> W. P. O. Box 1000 1300 1st St Los Angeles, CA 90012	<b>TO</b> N. B. Co. Inc. 475 Alameda St Kings Cross London EC1A 3AL
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<b>Payment</b> Bill to: Receiver <input type="checkbox"/> 3rd Party <input checked="" type="checkbox"/> <input type="checkbox"/> Paid in Advance Billing Reference (will appear on invoice) Weight (LBS)	Origin Waybill Number <b>57130328846</b>  1 800 Call-DHL <b>GDS X</b>
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Place Waybill Pouch or peel and stick Waybill in this area.

DOC #

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

10/23/2007, and to inform you that the initial processing which includes an administrative review has been performed.

TEAM. 37-18146-01 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

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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** 141 236.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.