



FACSIMILE TRANSMISSION

4 December 2000

US Nuclear Regulatory Commission
Materials Safety Branch

ATTN: Mr. William R. Ward, P.E.

SUBJECT: Additional Questions Regarding our Application

Dear Mr. Ward,

The following is in response to your email of Friday, December 1. It is being sent to you and Mr. Carrico by email as well as to you by FAX.

First, before responding to the questions, there is one administrative issue that we wish to bring to your attention. As stated in our application, we use the name MEPROLIGHT and Scopus Light synonymously and were considering changing the company name. This has come to pass, and the company is now officially called MEPROLIGHT, Inc. Therefore, that name should be inserted everywhere in the license applications and back-up material where Scopus Light USA, Inc. appears. We request that the name MEPROLIGHT Inc. be used on the Exempt License and Device Registrations to be issued.

With regard to your questions, they are answered below in the order that they appear in your email.

1. Cross References

1.1 We don't know what happened on the submitted copy. The models appear correctly in our file, and a copy of the page is enclosed herein (and will be sent by mail). The proper information appears on that page. To summarize, it states the following:

| <u>NRC DEVICE SERIES</u> | <u>NEW MODEL NUMBERS</u> | <u>OLD CROSS REFERENCE MODELS</u> |
|--------------------------|--------------------------|-----------------------------------|
| ML-115O | ML-31616 | ML-116O |
| ML-115P | ML-31615 | ML-116P |

1.2 The information for the ML-250 was inadvertently dropped from the table. A revised page is enclosed herein and will be sent by mail as well. The details requested are summarized below:

| <u>NRC DEVICE NUMBER</u> | <u>H-3 (mCi) PER SET ALLOWED</u> | <u>ML NUMBER</u> | <u>H-3 (mCi) PER SET ACTUAL</u> | <u>FRONT SIGHT</u> | | <u>REAR SIGHT</u> | |
|--------------------------|----------------------------------|------------------|---------------------------------|--------------------|------------|-------------------|------------|
| | | | | <u>TYPE</u> | <u>mCi</u> | <u>TYPE</u> | <u>mCi</u> |
| ML-260 | 24 | ML-250 | 24 | B3 | 12 | B1 | 12 |



MEPROLIGHT®

1.3 The ML-12740 and ML-740 are both sights for the same S&W weapon. The ML-12740 is the replacement sight now sold, although some of the old models remain in stock. It is the same metal, same dimensions, same mounting to weapon but different insertion method for the light source. The ML-740 was first qualified under the ML-260 application, while its new version (ML-12740) was qualified under the ML-750. Please note, that this "requalification" process has transpired on many of the new models shown – in all cases making the sight better while utilizing less tritium.

1.4 This is an identical situation to 1.3 above. The ML-22736 and ML-736 are both sights for the same S&W weapon. The ML-22736 is the replacement sight now sold, although some of the old models remain in stock. It is the same metal, same dimensions, same mounting to weapon but different insertion method for the light source. The ML-736 was first qualified under the ML-260 application, while its new version (ML-22736) was qualified under the ML-750.

2. Drawing References

These models have been listed from our first submission in 1992 although no drawing was ever submitted (lack of drawing was evidently an error when we made that submission). Since these models (ML-33110, ML-33111 & ML-39520) are not presently sold in the US (nor expected to be sold in the future), they can be removed from the list. Corrected pages are enclosed herein and will be sent by mail as well.

3. Chemical Form

You are correct. The sights contain H-3 gas encapsulated in borosilicate glass. A corrected page is enclosed herein and will be sent by mail as well.

4. Labeling

The marking as shown in our application was intended to be indicative and not literal. It is, in fact, identical to that shown on the HESCO license and in your WordPerfect version – a solid (filled) logo. For your information, as of this date, HESCO and MEPROLIGHT have come to a commercial decision in which we will not be using them as our distributor in the US. If they purchase sights in the future, it will only be through MEPROLIGHT (holder of the license) like any other customer. Therefore, the importer and distributor of all our sights sold in the US starting with the date of issuance of our license will be MEPROLIGHT, Inc.

All replacement pages furnished have been marked with the letter "R" after the page number so that they will be easily distinguished from the original submission. We trust that the information provided herein will allow you to expeditiously complete the licensing process.

Sincerely,

Brad Fisher
Operations Manager

MEPROLIGHT CROSS REFERENCE LIST FOR NRC

| <u>NRC DEVICE SERIES</u> | <u>NEW MODEL NUMBERS</u> | <u>OLD CROSS REFERENCE MODELS</u> | |
|--------------------------|--------------------------|-----------------------------------|---------|
| ML-100 | NONE | ML-100 | |
| | ML-51001 (G) | ML-105 (G) | |
| | ML-51002 (R) | ML-105 (R) | |
| | ML-51003 (Y) | ML-105 (Y) | |
| | ML-51004 | ML-105PP (3 Colors) | |
| | ML-51006 (G) | ML-106 (G) | |
| | ML-51007 (R) | ML-106 (R) | |
| | ML-51008 (Y) | ML-106 (Y) | |
| | ML-51009 | ML-106PP (3 Colors) | |
| | ML-51020 | NONE | |
| | ML-51021 | NONE | |
| | ML-51022 | NONE | |
| | ML-51030 | NONE | |
| | ML-51031 | NONE | |
| | ML-51035 | NONE | |
| | ML-51036 | NONE | |
| | ML-51050 | NONE | |
| | ML-51051 | NONE | |
| | ML-51052 | NONE | |
| | ML-51091 | NONE | |
| | ML-51092 | NONE | |
| | ML-51093 | NONE | |
| | ML-51094 | NONE | |
| | ML-51096 | NONE | |
| | ML-51097 | NONE | |
| | ML-51098 | NONE | |
| | ML-51099 | NONE | |
| | ML-115O | ML-31616 | ML-116O |
| | | ML-33535 | ML-350 |
| | | ML-35011 | NONE |
| | | ML-39522 | NONE |
| | ML-115P | ML-39540 | NONE |
| ML-31615 | | ML-116P | |
| ML-31617 | | NONE | |
| ML-200A | ML-31810 | NONE | |
| | NONE | ML-200A | |
| | NONE | ML-500 | |

MEPROLIGHT ML LISTING & DESCRIPTIONS

| <u>MODEL</u> | <u>DESCRIPTION</u> |
|--------------|---|
| ML-100 | Archery pin - 8-32 thread size |
| ML-115O | Sight set for AR15/M16 with open rear sight (4-slot front) |
| ML-115P | Sight set for AR15/M16 with peep rear sight (4-slot front) |
| ML-200A | Sight set for S&W K, L, N frames w/adjustable sights |
| ML-250 | Sight set for S&W 645 with fixed sights |
| ML-260 | Sight set for Beretta 92F, 92Fc with fixed sights |
| ML-400 | Shotgun bead front sight - 6-48 thread size |
| ML-500 | Universal front sight for fixed sight revolvers |
| ML-736 | Sight set for S&W 3900, 4000 & 5900 series with adjustable sights |
| ML-740 | Sight set for S&W 459, 659 with fixed rear sight |
| ML-745 | Sight set for S&W 6900 series with fixed sights |
| ML-750 | Sight set for S&W 645 with fixed sights |
| ML-755 | Sight set for S&W 4506 with (non-Novak) fixed sights |
| ML-756 | Sight set for S&W 4506 with adjustable rear sight |
| ML-760 | Sight set for Beretta 92F, 92Fc with fixed sights |
| ML-768 | Sight set for Jericho & Springfield pistols with dovetails |
| ML-770 | Sight set for Colt series 70 pistols with .055 front tenon |
| ML-775 | Sight set for Colt series 80 & 90 with .125 front tenon |
| ML-2768 | Adjustable sight set for Jericho & Springfield pistols with dovetails |
| ML-10110 | Sight set for Sig Sauer P220, P225, P226, P228 with fixed sights |
| ML-10129 | Sight set for Sig Sauer P229 pistol with fixed sights |
| ML-10222 | Sight set for Glock 20, 21 w/screw-on front |
| ML-10224 | Sight set for Glock 17, 19, 22, 23 w/screw-on front |
| ML-10225 | Sight set for Glock 17, 19, 22, 23 w/stake-on front |
| ML-10226 | Sight set (Novak style) for Glock compact pistol w/screw-on front |
| ML-10662 | Sight set for Beretta 92F series pistols with fixed sights |
| ML-10663 | Sight set for Beretta Cougar pistol |
| ML-10664 | Sight set for Beretta Brigadier pistol |
| ML-10665 | Sight set for Beretta Stock pistol |
| ML-10735 | Sight set for S&W 5904, 5906 w/fixed sights (Novak to S&W) |
| ML-10755 | Sight set for S&W 4506 w/fixed sights (Novak to S&W) |
| ML-10771 | Sight set for Colt Gov't series pistols with .055 front tenon |
| ML-10774 | Sight set for Colt 2000 pistol |
| ML-10775 | Competition sight set for Colt Gov't pistols |
| ML-10776 | Sight set for Colt Gov't series with .125 front tenon |
| ML-10785 | Sight set for Browning Hi-power MKIII w/dovetail sights (to Browning) |
| ML-10882 | Sight set for Browning Hi-power with fixed sights |
| ML-10884 | Sight set for Browning "BDM" |
| ML-10885 | Sight set for Browning Hi-power MKIII with dovetail sights |
| ML-10990 | Sight set for Ruger P-85 or P-89 pistols with fixed sights |
| ML-10991 | Sight set for Ruger P-90 or P-91 pistols with fixed sights |
| ML-10994 | Sight set for Ruger P-94 pistols with fixed sights |

MODEL**DESCRIPTION**

| | |
|----------|---|
| ML-22769 | Universal TRU-DOT front sight for fixed sight revolvers |
| ML-22770 | Sight set for S&W K, L & N frame revolvers with adjustable rear sight |
| ML-22775 | Sight set for Taurus revolver with adjustable rear sight |
| ML-26565 | Adjustable sight set for Taurus PT-92 series pistol |
| ML-26566 | Adjustable sight set for Taurus revolver |
| ML-26767 | Adjustable sight set for Tanfoglio TA-90 E.A.A. "Witness" pistols |
| ML-27777 | Adjustable sight set for CZ-85 pistol |
| ML-29595 | Adjustable sight set for Baby Eagle pistol with dovetails |
| ML-29596 | Adjustable sight set for Desert Eagle pistol |
| ML-30660 | Sight set for Beretta rifle |
| ML-30922 | Sight set for Ruger Mini-14 |
| ML-31505 | H&K SR9, SP89, M91, M93, MP5 rifle front sight only |
| ML-31506 | Sight set for H&K SR9, SP89, M91, M93, MP5 |
| ML-31507 | Sight set for H&K G3/G41 |
| ML-31615 | Front sight for AR15/M16 (5-slots) |
| ML-31616 | Sight set for AR15/M16 with open rear sight (5-slot front) |
| ML-31617 | Sight set for AR15/M16 with peep rear sight (5-slot front) |
| ML-31810 | Front sight for Ultimex rifle |
| ML-33535 | Sight set for Calico model 900 & 950 |
| ML-34045 | Shotgun bead front sight - 6-48 thread size (new improved) |
| ML-34301 | Sight set for Benelli M1/M3 model shotguns with ghost rear |
| ML-34660 | Sight set for Remington 4, 6, 870, 1100, 7400, 7600, 11-87 slug guns |
| ML-34661 | Sight set for Remington 7LW, 700 series, 552BDL, 572BDL bolt action |
| ML-34662 | Remington Border Patrol front sight |
| ML-35010 | Sight set for FN 7.62 MAG machine gun |
| ML-35011 | Sight set for FN 5.56 FNC rifle |
| ML-35034 | Sight set for FN 5.56 Minimi light machine gun and FNMI M249 SAW |
| ML-35501 | Rear ghost ring for Remington, Winchester, Browning |
| ML-35502 | Rear sight for Remington, Winchester, Browning |
| ML-35503 | Rear sight for Remington, Winchester, Browning |
| ML-35504 | Rear sight for Remington, Winchester, Browning |
| ML-35505 | Front sight (narrow base) for Remington, Winchester, Browning |
| ML-35506 | Front sight (narrow base) for Remington, Winchester, Browning |
| ML-35507 | Front sight (narrow base) for Remington, Winchester, Browning |
| ML-35508 | Front sight (medium base) for Remington, Winchester, Browning |
| ML-35509 | Front sight (medium base) for Remington, Winchester, Browning |
| ML-35510 | Front sight (medium base) for Remington, Winchester, Browning |
| ML-36006 | Hawken series CVA black powder rifle sights |
| ML-38010 | Sight set for Crossfire twin barrel combination rifle |

MODEL**DESCRIPTION**

| | |
|----------|---|
| ML-38501 | Front sight for Mossberg M500 and M590 |
| ML-39510 | Sight set for Mini-Uzi & Uzi with adjustable rear |
| ML-39511 | Sight set for Uzi with non-adjustable rear |
| ML-39522 | Sight set for Micro-Galil rifle |
| ML-39540 | Sight set for Micro-Uzi |
| ML-51001 | Archery pin - 8-32 thread size (green) |
| ML-51002 | Archery pin - 8-32 thread size (red) |
| ML-51003 | Archery pin - 8-32 thread size (yellow) |
| ML-51004 | Archery pin - 8-32 thread size (3 color pro-pack) |
| ML-51006 | Archery pin - 6-32 thread size (green) |
| ML-51007 | Archery pin - 6-32 thread size (red) |
| ML-51008 | Archery pin - 6-32 thread size (yellow) |
| ML-51009 | Archery pin - 6-32 thread size (3 color pro-pack) |
| ML-51020 | Optical archery sight 2X |
| ML-51021 | Optical archery sight 4X |
| ML-51022 | Optical archery sight 6X |
| ML-51030 | Archery pin (pendulum) 8-32 thread size (green) |
| ML-51031 | Archery pin (pendulum) 8-32 thread size (yellow) |
| ML-51035 | Archery pin (pendulum) 6-32 thread size (green) |
| ML-51036 | Archery pin (pendulum) 6-32 thread size (yellow) |
| ML-51050 | Archery pin (fiber optic) green |
| ML-51051 | Archery pin (fiber optic) red |
| ML-51052 | Archery pin (fiber optic) yellow |
| ML-51091 | Archery pin 90° - 8-32 thread size (green) |
| ML-51092 | Archery pin 90° - 8-32 thread size (red) |
| ML-51093 | Archery pin 90° - 8-32 thread size (yellow) |
| ML-51094 | Archery pin 90° - 8-32 thread size (3 color pro-pack) |
| ML-51096 | Archery pin 90° - 6-32 thread size (green) |
| ML-51097 | Archery pin 90° - 6-32 thread size (red) |
| ML-51098 | Archery pin 90° - 6-32 thread size (yellow) |
| ML-51099 | Archery pin 90° - 6-32 thread size (3 color pro-pack) |
| ML-68001 | MEPOR21 reflex sight - Professional |
| ML-68002 | MEPOR21 reflex sight - Standard |
| ML-68003 | MEPOR21 reflex sight - Military |

SUMMARY TABLE

| NRC DEVICE NUMBER | H-3 (mCi) PER SET ALLOWED | ML NUMBER | H-3 (mCi) PER SET ACTUAL | FRONT SIGHT | | REAR SIGHT | |
|-------------------------|---------------------------------|--------------|--------------------------------|-------------|------|------------|------|
| | | | | TYPE | mCi | TYPE | mCi |
| | | | | H-3 | | H-3 | |
| ML-100 | 20 | ML-100 | 12 | B2 | 12 | NONE | NONE |
| | | ML-51001* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51002* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51003* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51006* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51007* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51008* | 20 | B2 | 20 | NONE | NONE |
| | | ML-51020 | 14 | A2 | 14 | NONE | NONE |
| | | ML-51021 | 14 | A2 | 14 | NONE | NONE |
| | | ML-51022 | 14 | A2 | 14 | NONE | NONE |
| | | ML-51030 | 20 | B2 | 20 | NONE | NONE |
| | | ML-51031 | 20 | B2 | 20 | NONE | NONE |
| | | ML-51035 | 20 | B2 | 20 | NONE | NONE |
| | | ML-51036 | 20 | B2 | 20 | NONE | NONE |
| | | ML-51050 | 18 | A2 | 18 | NONE | NONE |
| | | ML-51051 | 18 | A2 | 18 | NONE | NONE |
| | | ML-51052 | 18 | A2 | 18 | NONE | NONE |
| | | ML-51091** | 6 | A2 | 6 | NONE | NONE |
| | | ML-51092** | 6 | A2 | 6 | NONE | NONE |
| | | ML-51093** | 6 | A2 | 6 | NONE | NONE |
| ML-51096** | 6 | A2 | 6 | NONE | NONE | | |
| ML-51097** | 6 | A2 | 6 | NONE | NONE | | |
| ML-51098** | 6 | A2 | 6 | NONE | NONE | | |
| ML-1150 | 32 | ML-1150 | 32 | B2 | 20 | B2 | 12 |
| | | ML-31616 | 32 | B2 | 20 | B2 | 12 |
| | | ML-33535 | 30 | B2 | 18 | A3 | 12 |
| | | ML-35011 | 32 | B2 | 20 | B2 | 12 |
| | | ML-39522 | 32 | B2 | 20 | B2 | 12 |
| | | ML-39540 | 32 | B2 | 20 | B2 | 12 |

* Also packaged as ML-51004 and ML-51009, 3 pins to a package (60 mCi total)

** Also packaged as ML-51094 and ML-51099, 3 pins to a package (18 mCi total)

| NRC DEVICE NUMBER | H-3 (mCi) PER SET ALLOWED | ML NUMBER | H-3 (mCi) PER SET ACTUAL | FRONT SIGHT | | REAR SIGHT | |
|-------------------------|---------------------------------|--------------|--------------------------------|-------------|-----|-------------|------|
| | | | | TYPE H-3 | mCi | TYPE H-3 | mCi |
| ML-115P | 20 | ML-115P | 20 | B2 | 20 | NONE | NONE |
| | | ML-31615 | 20 | B2 | 20 | NONE | NONE |
| | | ML-31617 | 20 | B2 | 20 | NONE | NONE |
| | | ML-31810 | 20 | B2 | 20 | NONE | NONE |
| ML-200A | 30 | ML-200A | 30 | B1 | 6 | B2 | 24 |
| | | ML-500 | 6 | B1 | 6 | NONE | NONE |
| ML-260 | 24 | ML-250 | 24 | B3 | 12 | B1 | 12 |
| | | ML-260 | 24 | B3 | 12 | B1 | 12 |
| ML-300A | 28 | ML-39510 | 28 | B2 | 12 | B2 | 16 |
| ML-300N | 28 | ML-39511 | 28 | B2 | 12 | B2 | 16 |
| ML-400 | 18 | ML-400 | 18 | B2 | 18 | NONE | NONE |
| | | ML-34045 | 18 | A2 | 18 | NONE | NONE |
| ML-750 | 54 | ML-736 | 38 | A1 | 14 | B2 | 24 |
| | | ML-740 | 42 | A3 | 18 | B1 | 24 |
| | | ML-745 | 50 | A1 | 18 | B1 | 32 |
| | | ML-750 | 54 | A3 | 18 | B1 | 36 |
| | | ML-755 | 50 | A1 | 18 | B1 | 32 |
| | | ML-756 | 38 | A1 | 14 | B2 | 24 |
| | | ML-760 | 50 | B3 | 18 | B1 | 32 |
| | | ML-768 | 38 | A1 | 14 | A1 | 24 |
| | | ML-770 | 50 | A4 | 18 | B1 | 32 |
| | | ML-775 | 50 | A4 | 18 | B1 | 32 |
| | | ML-2768 | 38 | A1 | 14 | A1 | 24 |
| | | ML-10110 | 39 | A1 | 15 | A1 | 24 |
| | | ML-10129 | 39 | A1 | 15 | A1 | 24 |
| | | ML-10222 | 39 | A2 | 15 | A1 | 24 |
| | | ML-10224 | 39 | A2 | 15 | A1 | 24 |
| | | ML-10225 | 39 | A4 | 15 | A1 | 24 |
| | | ML-10226 | 39 | A2 & A4 | 15 | A1 | 24 |
| | | ML-10662 | 39 | A3 | 15 | A1 | 24 |
| | | ML-10663 | 39 | A1 | 15 | A1 | 24 |
| | | ML-10664 | 39 | A1 | 15 | A1 | 24 |
| ML-10665 | 39 | A1 | 15 | A1 | 24 | | |
| ML-10735 | 39 | A1 | 15 | A1 | 24 | | |
| ML-10755 | 39 | A1 | 15 | A1 | 24 | | |