

## **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:

NRC DEVICE NUMBER	H-3 (mCi) PER SET ALLOWED	ML NUMBER	H-3 (mCi) PER SET ACTUAL	<u>FRONT SIGHT</u>		<u>REAR SIGHT</u>	
				TYPE	mCi	TYPE	mCi
				H-3		H-3	
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</u> <u>SERIES</u>	<u>NEW MODEL NUMBERS</u>	<u>OLD CROSS</u> <u>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-39540	NONE
ML-115P	ML-31615	ML-116P
	ML-31617	NONE
	ML-31810	NONE
ML-200A	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	<u>FRONT SIGHT</u>		<u>REAR SIGHT</u>	
				TYPE	mCi	TYPE	mCi
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