

MATERIALS LICENSE

Amendment No. 05

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.

Licensee	In accordance with letter dated May 7, 1993,	
1. Trijicon, Inc.	3. License Number 21-19874-02E is amended in its entirety to read as follows:	
2. 49385 Shafer Avenue Wixom, Michigan 48393-2869	4. Expiration Date March 31, 1995 (Deemed Timely)	
	5. Docket or Reference No. 030-20771	
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. Hydrogen-3	A. Sealed light sources (Saunders-Roe Model PRH 880/G/200 or MB Microtec A.G. Model 400 Series)	A. Not applicable (see Condition 10)

9. Authorized Use

Pursuant to Section 32.22, 10 CFR Part 32, the licensee is authorized to distribute the devices containing sealed sources as specified in Condition 10 of this license to persons exempt from the requirements for a license pursuant to Section 30.19, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. The following self-luminous products containing hydrogen-3 may be distributed pursuant to this license provided the amount of hydrogen-3 contained in each device does not exceed the amount specified in the following:
- A. ACOG series scopes in which the model number is the magnification x diameter of the objective lens in mm. The tritium lamp used is an MB Microtec A.G. Model 400/3 series containing 100 millicuries per source.
 - B. Sealed light sources installed in Occluded Eye Gunsights Model Armson O.E.G. with a maximum activity of 160 millicuries.
 - C. Sealed light source in "BOW PIN" sight to be used on an archery bow and distributed with a bow pin maximum activity of 6 millicuries per source.
 - D. Combination package (assembly sight and/or unmounted sealed light sources) installed in Iron Sights mounted on a weapon with a maximum activity of 30 millicuries per source and 90 millicuries per weapon.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 21-19874-02E

Docket or Reference Number 030-20771

Amendment No. 05

CONDITIONS

(Continued)

- E. Trijicon 4 x 32 scope model where the model number is the magnification x diameter of the objective lens in mm. In this model, a single red tritium lamp source is used containing 100 millicuries of tritium.
- F. Trijicon ACOG 4 x 32 scope model which is a compact fixed power rifle telescope. In this model, a single tritium lamp source is used containing 100 millicuries of tritium.
- G. Sealed light sources installed in optically magnifying scopes manufactured by Trijicon with a maximum activity of 75 millicuries.
- H. Sight assembly (complete front and rear sight). Sealed light sources installed in Iron Sight assemblies manufactured by Trijicon and distributed with a maximum activity of 30 millicuries per source.
- I. Sealed light sources installed in optically magnifying scopes manufactured by Trijicon under the Spectrum label with a maximum activity of 300 millicuries.
- 11. This license does not authorize possession or use of licensed material.
- 12. The licensee may distribute only from its facility located at 49385 Shafer Avenue, Wixom, MI.
- 13. The licensee shall file periodic reports as specified in Section 32.25(c), 10 CFR Part 32.
- 14. Each device distributed under this license shall be manufactured, tested, and labeled in accordance with Sections 32.22, 32.23, 32.24, and 32.25 of 10 CFR Part 32.
- 15. Except as specifically provided otherwise by 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 July 27, 1983;
 - B. Application dated July 27, 1985;
 - C. Letter dated November 9, 1983;
 - D. Letter dated November 18, 1983;
 - E. Letter dated January 3, 1984;
 - F. Letter dated November 15, 1985;
 - G. Letter dated January 8, 1986;
 - H. Letter dated January 9, 1986;
 - I. Letter dated April 3, 1986;
 - J. Letter dated June 6, 1987;

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 21-19874-02E

Docket or Reference Number 030-20771

Amendment No. 05

CONDITIONS

(Continued)

- K. Letter dated December 11, 1987;
- L. Letter dated January 8, 1988;
- M. Letter dated April 22, 1988;
- N. Letter dated October 28, 1988;
- O. Letter dated December 27, 1988;
- P. Letter dated January 15, 1990;
- Q. Registration Certificate No. NR-41G-D-101-E; and
- R. Letter dated October 28, 1993.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

869/30/96

9/30/96 CB

Original signed by:

DATE: September 30, 1996

BY:

Susan L. Greene
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards
Washington, DC 20555

2. Distribute only those products containing radioactive material which are specifically authorized in your license.
3. Notify NRC in writing within 30 days of any change in mailing address (no fee is required if the location of radioactive material remains the same).
4. Request and obtain appropriate amendments if you plan to change control or ownership of your organization, change locations of distribution of products containing radioactive material, or make any other changes in your program which are contrary to the license conditions or representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for the amendments if you are not in a fee-exempt category.
5. Submit a complete renewal application (with proper fee) or termination request (no fee required) at least 30 days before the expiration date on your license. You should receive a reminder notice approximately 90 days before the expiration date. Continued distribution of products containing radioactive material after your license expires is a violation of NRC regulations.
6. In accordance with 10 CFR 30.36, request termination of your license if you plan to permanently discontinue activities involving distribution of products containing radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in compliance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action(s) against you. This could include issuance of a notice of violation; proposed imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," (NUREG-1600).

If you have any questions, please feel free to contact me at (301) 415-7843.

Sincerely,

DISTRIBUTION:

License File 21-19874-02E

NMSS r/f

IMNS c/f

IMAB r/f

LWCamper

TWRich

Region III

Original signed by:

Susan L. Greene

Medical, Academic, and Commercial

Use Safety Branch

Division of Industrial and

Medical Nuclear Safety

Office of Nuclear Material Safety

and Safeguards

Docket No. 030-20771

Enclosure: Amendment No. 05

OFFICE: IMAB:NMSS
NAME: SLGreene:cjb
DATE: 09/27/96

DOCUMENT NAME: G:\TRIJCVR.SLG

OFFICIAL RECORD COPY

September 30, 1996

Trijicon, Inc.
ATTN: Stephen G. Bindon
VP-General Manager
P.O. Box 6029
49385 Shafer Avenue
Wixom, Michigan 48393-2869

Dear Mr. Bindon:

Enclosed is Amendment No. 05 amending NRC License No. 21-19874-02E for a change of address only as requested in your letter of October 28, 1993.

The Sealed Source Safety Section (SSSS) notified you by letter dated July 18, 1996, that your request to amend Registration Certificate No. NR-418-D-101-E for gun sights containing tritium was voided. By letters dated January 23, 1995, July 28, 1995, and January 4, 1996, the SSSS has unsuccessfully attempted to obtain additional information in order to continue the evaluation to amend your registration certificate. By letter dated April 5, 1996, the SSSS notified you that the NRC considers your registration amendment request as having been abandoned by you and void. The information contained in your April 29, 1996, letter was determined to be insufficient to complete the review; therefore, the decision to consider your request as void was upheld in the letter to you from SSSS dated July 18, 1996.

Note that should you decide to submit the necessary additional information within 1 year of the date of this notice, and provided there are no changes to your request, an additional fee will not be required. If you do decide to resubmit, you should reference your earlier submissions, note the fact that you included an application fee with your earlier submission, and reference Mail Control No. 021525.

Please review the enclosed document carefully and be sure that you understand all the conditions. If there are any errors or questions, please contact me so that appropriate corrections and answers can be provided.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions specified in your NRC license, representations made in your license application, and other rules, regulations, and orders of the U.S. Nuclear Regulatory Commission, now or hereafter in effect, to include the following:

1. Comply with applicable NRC regulations in 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material"; 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; and other applicable regulations.

NOTE: Licensees authorized to distribute or initially transfer products containing byproduct material must also possess a valid possession license issued either by NRC or an Agreement State(s) which authorizes possession and use of byproduct material.

July 18, 1996

Stephen G. Bindon
Trijicon, Inc.
49835 Shafer Avenue
Woxom, MI 48393-2869

Dear Mr. Bindon:

This letter is in response to Trijicon's application dated May 7, 1993, requesting to amend the distribution license and registration certificates for gun sights containing tritium. We have requested on several occasions that you provide us with sufficient information to complete the review. Based on the information received from your April 29, 1996 letter, we still do not have sufficient information to complete the review. In view of this circumstance and the number of requests for information that has already been made to your company, we find no basis to rescind the April 5, 1996 void letter. Therefore, we have considered your application as having been abandoned by you. This is without prejudice to the resubmission of a complete application.

If you have any questions, please contact me at (301) 415-7273.

Sincerely,

TSJ
Steven Baggett, Section Chief
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
And Safeguards

cc: Skimberley, LFDCB

Distribution:

SSSS Staff
MC# 021525

SSSS r/f
SSD File # NR-418-D-101-E

SSD-93-41

NE01

CB

DOCUMENT NAME: P:\BINDON.WPD

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OFFICE	IMAB								
NAME	SBaggett/kr								
DATE	7/1/96								

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*Attachments are Maintained
in Registration File.*

Trijicon, Inc.

49385 Shafer Ave • P.O. Box 930059 • Wixom, MI 48393-0059

PHONE: 810-960-7700 FAX: 810-960-7725

SELF-LUMINOUS

SIGHTS & SCOPES

April 29, 1996

Mr. John Lubinski
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Regulatory Commission
Washington DC 20555-0001

Reference: License No. 21-19874-02E
Letter of January, 1996

Dear Mr. Lubinski:

In response to your letter in January, we provide the following answers:

1. The drawings listed below are attached. We have updated these drawings to include the additional information requested.

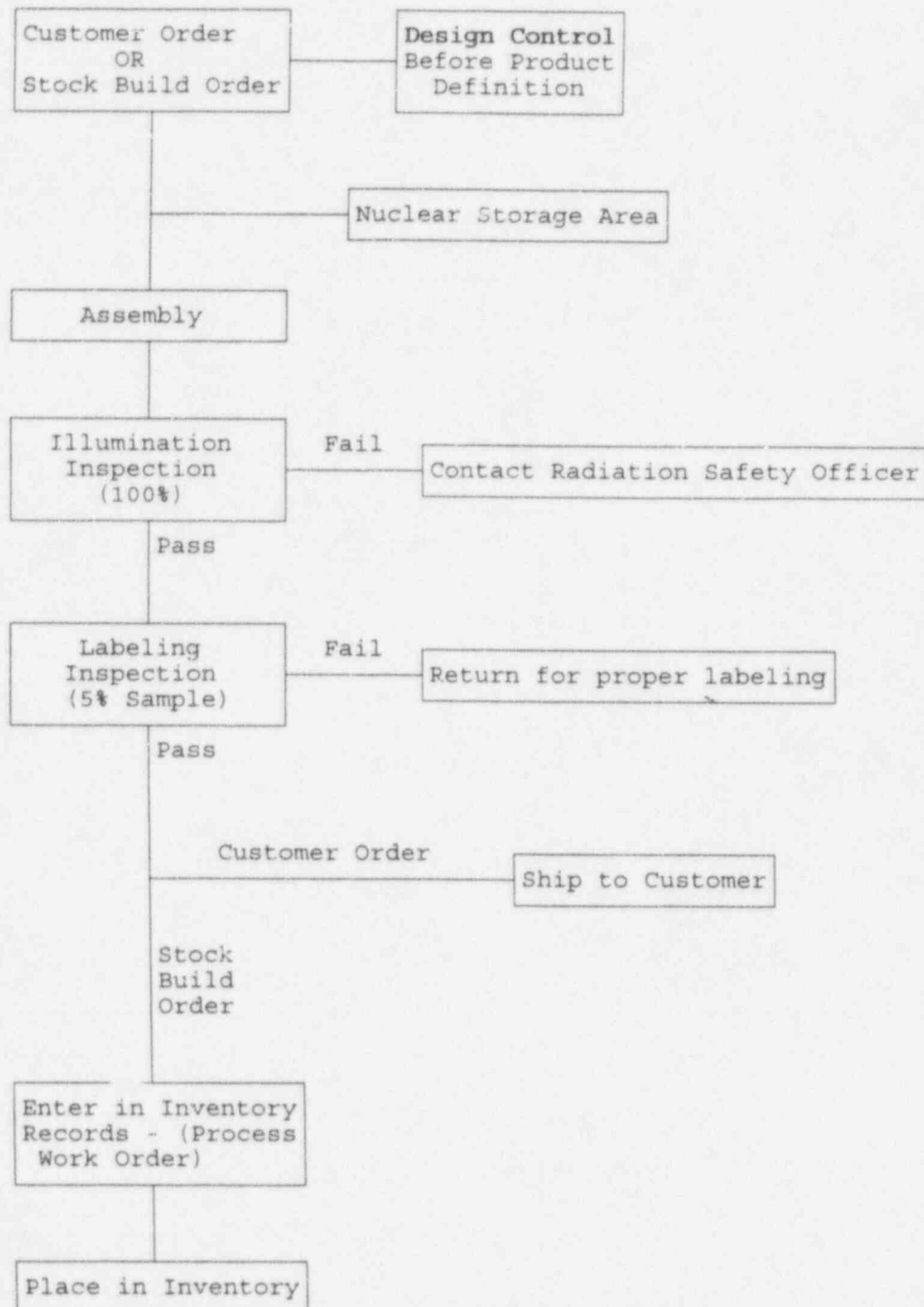
Drawing #	Purpose
IMS2584, IMS2585 & IMS2489	Rear sight series (dot) envelopes and source installation. (The source installation is shown on the RHS of drawing #2489.)
IMS2583 & IMS2489	Front sight series (dot) envelope and source installation. (The source installation is shown on the LHS of drawing #2489.)
IMS2694 & IMS2695	Rear sight series (bar) envelope and source installation. (The source installation is shown on the RHS of drawing #2695.)
IMS2344 & IMS2695	Front sight series (bar) envelope and source installation. (The source installation is shown on the LHS of drawing #2695.)
TRS2691 & TRS2690	Telescopic sights envelope and source installation.

2. Quality system and control procedures. Although Trijicon has only recently implemented an ISO9001 Quality Manual, Trijicon has had the following procedures in place since first distributing product containing radioactive material in the early 1980's.

Control of all source material. As shown in the following diagram, source material is carefully controlled. During the design process all labeling, construction, and safety issues relating to conformance with NRC regulations are addressed. Products are only released for production these items have been resolved. Sources required for installation are issued into the assembly areas from the Nuclear storage area as required for daily use. A limited quantity is kept in the assembly area at any one time. Before shipment each sight is inspected (100%) for illumination. Due to the nature of our sources, this illumination inspection eliminates the possibility of undetected source failure. A sampling test is also performed to ensure that sights have been properly labeled for exempt distribution. After the

source material has been installed in a product, that product is either shipped to the customer immediately or placed in inventory. Those items placed into inventory are stored in a controlled area and are monitored by physical inventories conducted at least twice a year. At random intervals, additional partial physical inventories are conducted on selected items.

SOURCE CONTROL



3. In review of the testing data provided on June 16, 1995, the following clarification for each iron sight design is provided:

Rear sight series (dot) - The smallest sights we have ever sold in this series were tested in our 1985 series of tests. These were the rear sight which was mounted on the Browning Hi-Power (smallest fixed rear sight) and the rear sight on the Smith & Wesson Model 28 (smallest adjustable rear sight). All other sight designs in this series contain more metal around the sources than do these sights. For this reason all

other sights can reasonably be expected to survive testing equally.

Front sight series (dot) - The smallest sight we have ever sold in this series was tested in our 1985 series of tests. This is our sight for the Sig-Sauer P-226. All other sight designs in this series contain more metal around the sources than this sight has. For this reason all other sights can reasonably be expected to survive testing equally.

Rear sight series (bar) - The smallest sights we have ever sold in this series were tested in our 1985 series of tests. These were the rear sight which was mounted on the Colt ACE pistol and the rear sight mounted on the Ruger Redhawk .44 Magnum. These two sights are virtually identical in size. All other sight designs in this series contain more metal around the sources than do these sights. For this reason all other sights can reasonably be expected to survive testing equally.

Front sight series (bar) - The smallest sights we have ever sold in this series were tested in our 1985 series of tests. These were our sight for the Colt Ar-15 and the sight for the H&K front post assembly. All other sight designs in this series contain more metal around the sources than this sight has. For this reason all other sights can reasonably be expected to survive testing equally.

Telescopic sights - The smallest model in this series is the Armsco OEG sight which was fully tested in 1982 as shown in Attachment 1 B of our June 16, 1995 letter. This unit has less mass surrounding the source than any of our subsequent designs. For this reason all other sights can reasonably be expected to survive testing equally. Many of these other designs have also been tested and this testing was included as Attachment C & D to our June 16, 1995 letter.

4. Telescopic Sights - Materials of Construction All telescopic sights made and distributed by Trijicon are made of aluminum, steel, brass and glass. The minimum metal thickness surrounding the source in a telescopic sight is .047 inch. The minimum glass thickness is .15 inch. Please refer to physical envelope drawing TRS2691 and source mounting drawing TRS2690 for further construction details of material surrounding the sources.
5. All sources mounted in telescopic sights are mounted inside a metal housing with a minimum thickness of metal of .047 inch between the source and the user. A minimum glass thickness of .15 inch is also maintained. Sources are mounted in aluminum lampholders within the telescope, attached to glass prisms within aluminum housings, and attached to fiber optics inside aluminum housings. The details of the source locations and mounting methods can be seen more clearly on drawings TRS2691 and TRS2690.

Please note that our Post Office has recently moved and has assigned us a new Post Office Box. This necessitates a zip code change on our license also. The new 9 digit zip code is 48393-0059.

Sincerely,


Stephen G. Bindon
General Manager

Enc. Drawings: IMS2344, IMS2489, IMS2583, IMS2584, IMS2585, IMS2694,
IMS2695, TRS2690, TRS2691

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

April 9, 1996

Mr. Steven Baggett
Sealed Source Safety Section
Medical, Academic and Commercial Use Safety Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Regulatory Commission
Washington DC 20555-0001

Reference: License No. 21-19874-02E
Letter from Mr. John Lubinski of April 5, 1996

Dear Mr. Baggett:

As I discussed with Mr. Lubinski today on the phone, we do not consider our license amendment application abandoned. We have responded in what we thought were full answers to questions on several occasions. We will respond to the letter of January 1996 by the end of April. We have recently added some engineering staff to relieve some of my multiple duties which will allow me to focus more closely on this issue.

We started this amendment application at the request of Mr. Lubinski, Ms. Greene and Mr. Mike Weber as they conducted a visit at our facility on March 23, 1993. At that time it was suggested to us that we propose standard design categories of our products which could be approved to include many specific items we make which are very similar. These include various sighting devices which vary only in the different mountings needed for various weapons. We established several such categories and attempted to define the minimum and maximum sizes of critical components, etc. Since that time we have been asked to provide many details on these individual sight designs. Many of these designs were tested and approved in 1984 and 1986. It was not our intention to retest these previously approved items.

We will respond fully to the questions raised by the end of April. J

Sincerely,

Stephen G. Bindon
General Manager

cc. Mr. John Lubinski



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 5, 1996


Stephen G. Bindon
Trijicon, Inc.
49835 Shafer Avenue
Wixom, MI 48393-2869

Dear Mr. Bindon:

This letter is in response to Trijicon's application dated May 7, 1993, requesting to amend the registration certificates for gun sights containing tritium and my subsequent letters that requested additional information to the support the evaluation and registration of the gun sights. After several attempts, we have still not received sufficient information to support the amendment request. Therefore, we consider the application as having been abandoned by you. This is without prejudice to the resubmission of a complete application.

If you have any questions, please contact me at (301) 415-7868 or Mr. Steven Baggett at (301) 415-7273.

Sincerely,



John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

cc:
Sandra Kimberley, LFDCB
Susan Greene, IMAB
Carolyn Boyle, IMAB



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

1/4/96

Steven G. Bindon, General Manager
Trijicon, Inc.
49385 Shafer Avenue
Wixom, MI 48393-2869

Dear Mr. Bindon:

This letter is in response to your letter dated October 19, 1995, that provided additional information to support the registration of gun sights intended for distribution to persons exempt from licensing. We have reviewed the information provided and determined that additional information is still needed in order to continue our evaluation.

For both the iron and telescopic sights that Trijicon wishes to distribute, please provide the following:

1. Drawings, including all dimensions and tolerances, that show how the light sources are mounted within the gun sights. If there is more than one source mounting configuration for any of the mountings, please provide complete dimensions for each configuration.
2. Information that verifies that Trijicon's quality control program will be implemented in accordance with Appendix C of Regulatory Guide 6.9. Your letter indicated that Trijicon is planning to implement an ISO-9001 quality assurance program and expects that it will meet Regulatory Guide 6.9. However, your letter does not address the control procedures that will be implemented by Trijicon or how the control procedures will meet the standards specified in Appendix C of the guide. A copy of the guide was provided as an enclosure to my letter dated July 28, 1995.
3. Information that verifies that each sight design has been subjected to, and passed, appropriate prototype testing. If all designs of sights authorized under a series designation have not been tested, you may provide an engineering analysis that verifies that the sight designs not tested would be expected to pass appropriate testing. The analysis needs to verify that all sights built to the specifications for the series (including those built to the extremes of the specifications) would be expected to survive if subjected to the testing.

A copy of "Standard Requirements for Tritium Illuminated Gun Sights Containing Tritium Gas Sealed in Glass Vials" which describes appropriate testing for gun sights to be distributed to persons exempt from licensing was included with my letter dated July 28, 1995.

For the telescopic sights that Trijicon wishes to distribute, please provide:

4. The materials of construction of the telescopic sights.

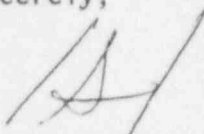
Steven G. Bindon

-2-

5. The restrictions on the locations where the sources will be mounted within the telescopic sights.

Please provide the requested information within 60 days. If you have any questions, please contact me at (301) 415-7868 or Steven Baggett at (301) 415-7273.

Sincerely,



John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Source Containment and
Devices Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Distribution:

SSSS Staff SCDB r/f
SSD File # NR-418-D-101-E

SSD-93-41

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NAME	JLubinski/jl							
DATE	01/04/96							

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TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

*Attachments are
maintained in
Registration File*

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

October 19, 1995

Mr. John W. Lubinski
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Regulatory Commission
Washington DC 20555-0001

Reference: License No. 21-19874-02E
Your letter of July 28, 1995

Dear Mr. Lubinski:

In addition to the information you requested in your letter of July 28, 1995, the information below also includes similar information on Trijicon's telescopic sights. We are requesting the same flexibility in telescopic sights as we are in iron sights.

Item 1 - Source mounting designs

Rear sight series (dot) - a block of steel or aluminum with a notch traversing the narrow dimension, containing either two tritium light sources mounted on either side of the notch, or one tritium light source mounted under the notch. The light source(s) are oriented so that the light source is viewed from the end, through a sapphire window at the end of the source. The sight is attached to the weapon by either a press fit into a dovetailed groove, or by an adjustable screw. Maximum content for this series is 60 millicuries per sight. Drawings No. 2584 & 2585 define the physical envelope for this design.

Front sight series (dot) - a block of steel or aluminum with one tritium light source mounted horizontally in the rear end of the sight, and oriented so that the light source is viewed from the rear of the sight through a sapphire window at the end of the source. The sight is attached to the weapon by a press fit into a dovetail notch. Maximum content for this series is 30 millicuries per sight. Drawing No. 2583 defines the physical envelope for this design.

Rear sight series (bar) - a block of steel or aluminum with a notch traversing the narrow dimension, containing one tritium light source mounted under the notch. The light source is oriented so that the light source is viewed from the side. The sight is attached to the weapon by either a press fit into a dovetailed groove, or by an adjustable screw. Maximum content for this series is 10 millicuries per sight. Drawing No. 2694 defines the physical envelope for this design.

Front sight series (bar) - a piece of steel or aluminum with one tritium light source mounted vertically at the rear of the sight, and oriented so that the light source is viewed from the side. The sight is either screwed or pinned to the weapon. Maximum content for this series is 10 millicuries per sight. Drawing No. 2344 defines the physical envelope for this design.

Permanently mounted sights - sights permanently attached to weapons into which three tritium light sources are installed by Trijicon. The tritium light sources are mounted in both front and rear sights, and oriented horizontally so that the sources are viewed from the rear of the weapon through the sapphire window at the end of the source. Maximum content for this series is 90 millicuries per weapon. No separate drawing of this class is provided since the front and rear sights have the same configuration as the Front sight series (dot) and the Rear sight series (dot).

Telescopic sights - sights consisting of lenses and tubes designed to magnify sighted images, intensify light, or provide other visual aid in sighting, and containing one to three tritium light sources mounted internally to the sight. Maximum content for this series is 300 millicuries per sight. Drawing No. 2691 defines the physical envelope for this design. This series includes ACOG, Armson O.E.G., and Zoom Riflescope sights.

Item 2 Source mounting specifications

Rear and front sights

All tritium light sources will be mounted with either a resilient silicone rubber adhesive or an anaerobic adhesive, such as Loctite Black Max. The source is protected by a minimum metal thickness of 0.022 inches on all non-viewing sides. Mounting methods are shown on Drawings No. 2489 and 2695.

Telescopic sights

All tritium light sources will be mounted internal to the sight, and secured in place by either a resilient silicone rubber adhesive or two part epoxy adhesive. The sources are protected by a minimum metal thickness of 0.064 inches or by a minimum lens thickness of 0.047 inches. Mounting method is shown on Drawing No. 2690.

Item 3

Addressed in Item 1 above.

Item 4

All exempt devices will be marked with the either "Trijicon H₃" or "T H₃". Trijicon and T are registered trademarks of Trijicon, Inc.

Item 5

Trijicon is presently establishing a Quality Assurance program designed to meet the requirements of ISO 9001. This program is expected to be fully implemented by January 1, 1996. It is expected that this program will also meet the requirements of Regulatory Guide 6.9.

Item 6

Prototype tests on iron sights that were included with Trijicon's letter of June 16, 1995, were performed on the following models:

<u>Unit Designation</u> <u>from 1985 test data</u>	<u>Current Source Mounting</u> <u>Design Designation</u>
Colt ACE .22 pistol	Rear sight series (Bar)
Ruger Redhawk .44 Magnum	Front sight series (Dot)
Eibar 32	
Smith & Wesson (S&W) Models 65, 28 & 586	Rear sight series (Dot)
Colt Gold Cup, .45 ACP	Front sight series (Dot)
Colt Officers Model	
Browning Hi-Power	
Sig-Sauer P-226, 9mm	
Beretta 92SB, 9mm	
Steyr GB, 9mm	
H&K P-7, 9mm	
DW front post assembly	Front sight series (Dot)
Colt Python revolver front post	
S&W Patridge front post	
Colt AR-15, front sight post	Front sight series (Bar)
H&K front post assembly	
H&K rear sight assembly	Rear sight series (Dot)


The above listing when correlated with the test data from 1985 supplied with our June 16, 1995 letter provides evidence of representative firing testing and drop testing for all series of iron sights. Wipe tests were performed after all tests and the results were also included with our June letter.

Trijicon requests permission to distribute other sights meeting these configuration parameters set forth in the classification.

We are concerned about the timing of renewal. Trijicon has a contractual requirement to deliver telescopic sights of the type authorized as exempt devices in this license to the U. S. Department of the Army. An expeditious review of this response would be appreciated.

If you have any questions which might be answered with a quick conversation, fax or letter, I would welcome your call.

Sincerely,


Stephen G. Bindon
General Manager



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

July 28, 1995

Steven G. Bindon, Vice President
Trijicon, Inc.
P.O. Box 6029
Wixom, MI 48393-6029

Dear Mr. Bindon:

This letter is in reference to Trijicon's application dated May 7, 1993, which request an amendment to license 21-19874-02E, and your subsequent letters, with enclosures thereto. This letter only concerns the requested amendments concerning iron sights distributed by Trijicon. We have reviewed the information provided and have determined that the following additional information is still needed in order to continue our evaluation of your request:

1. As discussed in previous correspondence, it is acceptable to register a series of models that represents a range of sights of different sizes. However, it's essential Trijicon submit, and commit to manufacture, the specific design of the mounting of the light source in the sight. Trijicon may incorporate more than one source mounting design. However, details of each design need to be submitted, including complete dimensions and tolerances. Each source mounting design must have been subjected to and passed appropriate prototype testing.
2. Many places within your applications and letters you indicate that a "typical" configuration has been provided. Trijicon needs to commit to the specifications that each model sight will meet. The information already provided by Trijicon includes maximum and minimum dimensions and number of sources. However, Trijicon must specify the source installation designs that will be used (see item 1), the exact methods of attachment, and the basic features of the sight configuration.
3. For Model Type A sights, you indicate that the sight may contain either one or two sights. Please provide information on the design of a Model Type A sight containing one light source.
4. 10 CFR 32.25 requires that the distributor "Label or mark each unit so that the manufacturer, processor, producer, or initial transferor of the product and the byproduct material in the product can be identified." Shipping a label with the product does not meet this requirement. Therefore, please commit to a method of labeling each model sight that meets the regulation.
5. Please provide information that verifies that Trijicon will implement a quality control program in accordance with Appendix C of Regulatory Guide 6.9 (copy enclosed).

6. Please provide information that verifies that each sight design has been subjected to and passed appropriate prototype testing. In addition, please provide an engineering analysis that verifies that sight designs not tested, such as members of a series of sights, would be expected to pass appropriate testing. Please find enclosed a draft copy of "Standard Requirements for Tritium Illuminated Gun Sights Containing Tritium Gas Sealed in Glass Vials" which describes appropriate testing for gun sights to be used by persons exempt from licensing.

Please provide the requested information within 60 days. If you have any questions, please contact me at (301) 415-7868 or Steven Baggett at (301) 415-7273.

Sincerely,

Original Signed [Signature]

John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Source Containment and
Devices Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Enclosures: As stated

Distribution:

SSSS Staff SCDB r/f
SSD File # NR-418-D-101-E

SSD-93-41

NE01

DOCUMENT NAME: C:\FILES\SSDS\NR418101.DF4

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NAME	JLubinski/jl						
DATE	07/27/95						

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*Attachments are maintained in Registration file
No. NR-418-D-101-E. *SS*

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

June 16, 1995


John W. Lubinski
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington DC, 20555-0001

Phone (301) 415-7868

Subject: Our original 5/7/93 amendment request for our 21-19874-02E license and the most recent request for information in your letter of January 23, 1995.

Dear Mr. Lubinski:

Thank you for your letter of January 23, 1995 and your patience with our reply. We have answered the questions raised in your letter following the numbering sequence you adopted in that letter.

1. Prototype testing of the different gun sight designs referred to in our May 7, 1993 application for amendment were carried out at different times as the products were developed. Copies of the testing reports for each of the four gun sight designs are attached in Appendix 1: 
2. The labeling of the gun sights is as follows:

10.A. ACOG® Series:

The following message is printed on each sight using a permanent white epoxy paint which stands out against the dark grey finish of the sight. The letters are approximately 1/16 inch in height and the message itself is about 3/4 inch long.

"Trijicon® ACOG® Contains tritium.
The purchaser is exempt from
any regulatory responsibility. "

10.B. Armson O.E.G. Series:

The words "ARMSON OEG® EXEMPT TRITIUM" are stamped into the aluminum body of the sight. The letters are just over 1/16" in height.

10.C. Iron Sight Series:

The iron sight series are labeled in one of two ways. First, each sight is shipped with an adhesive label, sample attached here, which reads "Trijicon® contains exempt tritium. The purchaser is exempt from any regulatory responsibility. Made in USA Trijicon, Inc. Wixom, MI 48393-6029" and, "Trijicon® exempt tritium". If physically possible, the following is also printed on each sight with permanent white epoxy paint: "Trijicon® H₃" or "T[®] H₃". Typically the year of manufacture is also included in this printing. This white print is approximately 1/16 inch high and is in contrast to the black sight blades.

10.D. Trijicon Zoom Riflescope Series:

All riflescopes in this series have the following message printed with white permanent paint on the black surface of the riflescope. "Contains tritium. The purchaser is exempt from any regulatory responsibility. Trijicon, Inc." This print is approximately 1/16 inch high.

3. Trijicon's quality control program is in accordance with MIL-I-45208A. Relevant portions of our manual are included as Attachment 2.
4. All sources used by Trijicon are made by MB Microtec AG of Niederwangen am Bern, Switzerland. The model numbers, tritium content, and exterior dimensions of the sources are provided below.

Tube sources:

<u>Model</u>	<u>Tritium Content (mCi)</u>	<u>Diameter (mm)</u>	<u>Length (mm)</u>
T4667-1	2	.7	2.5
T4367-1	7	.925	3.35
T4496-1	18	1.28	4.5
T5041-1	6.5	1.42	4.0

Tube sources enclosed in aluminum sleeves with sapphires:

<u>Model</u>	<u>Tritium Content (mCi)</u>	<u>Source Diameter (mm)</u>	<u>Source Length (mm)</u>	<u>Sleeve Diameter (mm)</u>	<u>Sleeve Length (mm)</u>
T4367	7	.925	3.35	1.53	5.0
T4964	7	.925	3.35	1.53	5.0
T4495	13	1.1	4.5	1.7	6.0
T4496	18	1.28	4.5	1.9	6.0
T4582	18	1.3	4.5	1.88	6.5
T4583	18	1.3	4.5	1.88	6.5
T4962	18	1.3	4.5	1.88	6.5
T4963	18	1.3	4.5	1.88	6.5

Rectangular sources:

<u>Model</u>	<u>Tritium Content (mCi)</u>	<u>Length (mm)</u>	<u>Width (mm)</u>	<u>Height (mm)</u>
T4533-1	75	8.0	3.0	1.5
T4611-1	25	6.0	1.2	1.2
T4733-1	100	10.0	3.0	1.5
T4734-1	100	10.0	3.0	1.5
T4735-1	100	10.0	3.0	1.5
T4999-1	100	10.0	3.0	1.5

5. In our 10.C. Iron Sight Series, Type C, Sources Installed Into Existing Sights, we would install a maximum of 5 sources onto a weapon. This would typically be to allow ranging for police weapons such as tear gas launchers. Typically three 18mCi lamps would be installed onto a weapon resulting in 54mCi per weapon. However, for the 5 source ranging models, up to 90mCi would be installed on a weapon.
6. The sources we install in our sights which are inside aluminum sleeves are all received in this manner from MB Microtec. These sources are registered by MB Microtec. The sapphires are press fit into the aluminum sleeves. The aluminum sleeves are .25mm thick. The sources are mounted inside the sleeves with silicone rubber in between the sleeve and the source. The sleeve outer dimensions are given above in 4. These sleeve assemblies are mounted in holes using Loctite Black Max adhesive. The typical installation using T4962 and T4963 installed into a 1.93mm hole results in .025mm of Black Max between the sleeve and the sight blade metal.
7. The adhesive and silicone specifications are attached as Attachment 3. *
8. The light sources in the Type D, Adjustable Rear Iron Sights, are mounted in the metal sight blades in the same manner as those mounted in the Type A, Fixed Rear Iron Sights.
9. The sources installed in existing weapon sights (Type C, Sources Installed Into Existing Sights) are mounted in exactly the same manner as described in Type A. We drill the existing sights with the appropriate size hole (usually 1.93mm diameter) to allow this installation.
10. The minimum wall thickness of metal on any side of the source is .022 inch (.56mm).
11. We were asked to list the current models and a description of each series which would describe the common features which affect safety and shielding. Our understanding is that if we have a new model which meets these same criteria as outlined in each of the four gun sight series, these new models would automatically fall under the license. We do develop new models which are exactly the same in construction but differ in their attachment to the weapon, for instance.

Please call me at (810) 960-7700 if you have any further questions.

Thank you,

A handwritten signature in dark ink, appearing to read "Stephen G. Bindon". The signature is fluid and cursive, with the first name "Stephen" being more prominent.

Stephen G. Bindon

Vice President - General Manager

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

May 5, 1995

John W. Lubinski
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington DC, 20555-0001

Phone (301) 415-7868

Reference: Our 5/7/93 amendment request for our 21-19874-02E license
Your letter of January 23, 1995

Dear Mr. Lubinski:

In response to your request in your letter of January 23, 1995 and our telephone conversation today, this is to confirm that we will respond to your letter by Friday May 19, 1995. I will return from vacation on Wednesday May 17th.

Sincerely,

Stephen G. Bindon
Vice President - General Manager



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 23, 1995

Steven G. Bindon, Vice President
Trijicon, Inc.
P.O. Box 6029
Wixom, MI 48393-6029

Dear Mr. Bindon:

This letter is in reference to Trijicon's application dated May 7, 1993, which request an amendment to license 21-19874-02E and your letter dated November 28, 1994. We have reviewed the information provided and have determined that the following additional information is needed in order to continue our evaluation of your request:

1. Please provide details of prototype testing of the gun sight designs. The testing should provide adequate assurance that the each gun sight design will withstand both normal and severe conditions of use, handling, storage, and disposal.
2. Please provide details of how each gun sight design will be labeled.
3. Please provide details of the quality control program which will cover the purchase, manufacture, and distribution of the gun sights. The quality control program should be designed to ensure that each gun sight distributed meets the specifications submitted in your application.
4. Please provide the name of the manufacturer, model number, and exterior dimensions of all tritium sources you wish to use in the gun sights.
5. For your Type C series gun sights, please indicate the maximum number of tritium light sources you wish to mount to each weapon. Please include the total quantity of tritium this would represent.
6. Please provide complete details, including dimensions, for how the light sources are mounted within the sleeves and how the sleeves are mounted within the gun sights. Please include inner and outer diameters and length of the aluminum sleeve, how the sapphire is attached to the sleeve, and maximum and minimum dimensions of the "Black Max" around and at each end of the aluminum sleeve.

7. Please provide the required specifications for the silicone and "Black Max" adhesives.
8. Please verify that the light sources in the Type D series gun sights are mounted in the same manner as those mounted in the Type A series sights.
9. Please provide complete details, including dimensions, for how the light sources are mounted within the Type C series sights.
10. You provided the minimum wall thickness of the metal above the light source for each design. Please provide the minimum wall thickness of the metal for all sides of the light.
11. You have listed the models which are presently part of each series gun sight you wish to register. Please indicate whether you plan to distribute additional models within each series and your plans for incorporating these models as part of your license.

We look forward to receiving the requested information. If you have any questions, please contact me at (301) 415-7868 or Mr. Steven Baggett at (301) 415-7273.

Sincerely,

~~Original Signed By~~

John W. Lubinski, Mechanical Engineer
 Sealed Source Safety Section
 Source Containment and
 Devices Branch
 Division of Industrial and
 Medical Nuclear Safety
 Office of Nuclear Material
 Safety and Safeguards

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NEO-1

Assign #93-41

SSD Registration #NR-418-D-101-E

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NAME	JLubinski/tk								
DATE	1/23/95								

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TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

November 28, 1994

John W. Lubinski
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington DC, 20555-0001
Phone (301) 415-7868

Subject: Our 5/7/93 amendment request for our 21-19874-02E license.

Dear Mr. Lubinski:

In response to your request in your August 29, 1994 letter, the following information is provided concerning our iron sights containing tritium.

To further clarify the iron sights which have previously been reviewed and registered, we have described several series of iron sights and listed the models which presently are part of each series.

Type A - Fixed rear iron sights.

This series contains those rear sight blades which are fixed and contain one or two sealed tritium sources. These rear sight blades fit into a machined dovetail on the weapon. They contain lamps ranging in activity from 7 mCi to 30 mCi. The maximum activity of the sight is therefore 60 mCi. The hole containing the tritium lamp assembly has a minimum size of .043 inch diameter and .143 inch long. The maximum hole size would be .086 inch diameter and .300 inch long. The minimum wall thickness of metal above the lamp would be .022 inch. The lamp assemblies include silicone rubber in which the glass sealed source containing the tritium gas is suspended. The rear sights are machined from Steel or Aluminum. The overall size of the sights ranges from .5 inch wide, .21 inch high & .28 inch deep to 1 inch wide, .5 inch high & .5 inch deep.

Our drawing #2489 (copy attached) shows a cutaway view of a typical rear sight blade on the right-hand side of the drawing. Our drawing #2584 shows a typical sight with dimensions.

This series currently includes the rear sights from our models:

BE01, BE02, BR01, BR02, CA01, CA02, CA08, CA09, CA10, CA11, CA12, CA19, CZ99, DE01, DE03, FS01, FS02, FS03, GL01, GL04, GL07, GL08, HK03, HK04, HK05, HK06, RA01, RA06, RA07, RA13, SA04, SA05, SA06, SA07, SA08, SA09, SA10, SA14, SA15, SA21, SA22, SA23, SA24, SG01, SG03, 20314, 20315 and 25059.

Type B - Fixed front iron sights.

This series contains those front sight blades which are fixed and contain one sealed tritium source. These front sight blades fit into a machined dovetail on the weapon or are attached with a screw to the weapon. They contain lamps ranging in activity from 7 mCi to 30 mCi. The maximum activity of the sight is therefore 30 mCi. The hole containing the tritium lamp assembly has a minimum size of .043 inch diameter and .143 inch long. The maximum hole size would be .086 inch diameter and .300 inch long. The minimum wall thickness of metal above the lamp would be .022 inch. The lamp assemblies include silicone rubber in which the glass sealed source containing the tritium gas is suspended. The front sights are machined from Steel or Aluminum. The overall size of the sights ranges from .125 inch wide, .188 inch high & .25 inch deep to .4 inch wide, .4 inch high & .75 inch deep.

Our drawing #2489 (copy attached) shows a cutaway view of a typical front sight blade on the left-hand side of the drawing. Our drawing #2583 shows a typical sight with dimensions.

This series currently includes the front sights from our models:

BR01, BR02, CA01, CA02, CR05, CP06, CP07, CA08, CA09, CA10, CA11, CA12, CP13, CP14, CR15, CA15, CR17, CR18, CA20, CA21, CZ99, DE01, DE02, DE03, DE04, FS01, FS02, FS03, GL01, GL04, GL06, GL07, GL08, HK03, HK04, HK05, HK06, RA01, RA06, RA07, RA08, RA09, RA13, RE01, RE02, RE03, RR02, RR03, RR14, SA01, SA02, SA04, SA05, SA06, SA07, SA08, SA09, SA10, SA14, SA15, SA16, SA18, SA19, SA20, SA21, SA22, SA23, SA24, SG01, SG03, SG04, SH01, SH02, 20297, 20299, 20302, 20303, 20307, 20310, 20313, 25098, 25118, 25119 and 25120.

Type C - Sources installed into existing sights.

This series includes all sights which are installed onto a weapon when we distribute them. We install the tritium lamp assemblies into drilled holes in the weapon. The overall size of the metal in this type of weapon varies greatly as does the weapon size. The range would be from a small barrel 2 inches long and .5 inch in diameter up to a maximum of a 24 inch long barrel which might be up to 2 inches in overall height or width in the sight area. We install lamps with a maximum activity of 90 mCi into these weapons or weapon parts. The minimum hole size would be .043 inch diameter and .143 inch deep. The maximum hole size would be .086 inch diameter and .300 inch deep. The lamp assemblies include silicone rubber in which the glass sealed source containing the tritium gas is suspended. The weapon and/or weapon parts are Steel or Aluminum. The minimum wall thickness of metal above the lamp would be .015 inch.

This series currently includes our models:

XBE01, BE01, XBE02, BE02, XBR01, XCA04, XHK01, XRR04, XRR05, XSA11, XSR12, XSR13 and many custom installations onto our customers weapons.

Type D - Adjustable rear iron sights.

This series includes all sights which have a rear sight which is adjustable and contains one or two sealed tritium sources. These rear sight blades are typically attached to an adjustable assembly with a screw and nut mechanism. They contain lamps ranging in activity from 7 mCi to 30 mCi. The maximum activity of the sight is therefore 60 mCi. The hole containing the tritium lamp assembly has a minimum size of .043 inch diameter and .143 inch long. The maximum hole size would be .076 inch diameter and .300 inch long. The minimum wall thickness of metal above or below the lamp would be .015 inch. These sight blades are installed into adjustable assemblies which have more metal material below and to the sides of the adjustable element. The lamp assemblies include silicone rubber in which the glass sealed source containing the tritium gas is suspended. The rear sights are machined from Steel or Aluminum. The overall size of the sights ranges from .5 inch wide, .11 inch high & .28 inch deep to 1 inch wide, .25 inch high & .5 inch deep.

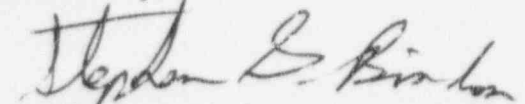
Our drawing #2585 shows a typical sight with dimensions.

This series currently includes the rear sights from our models:

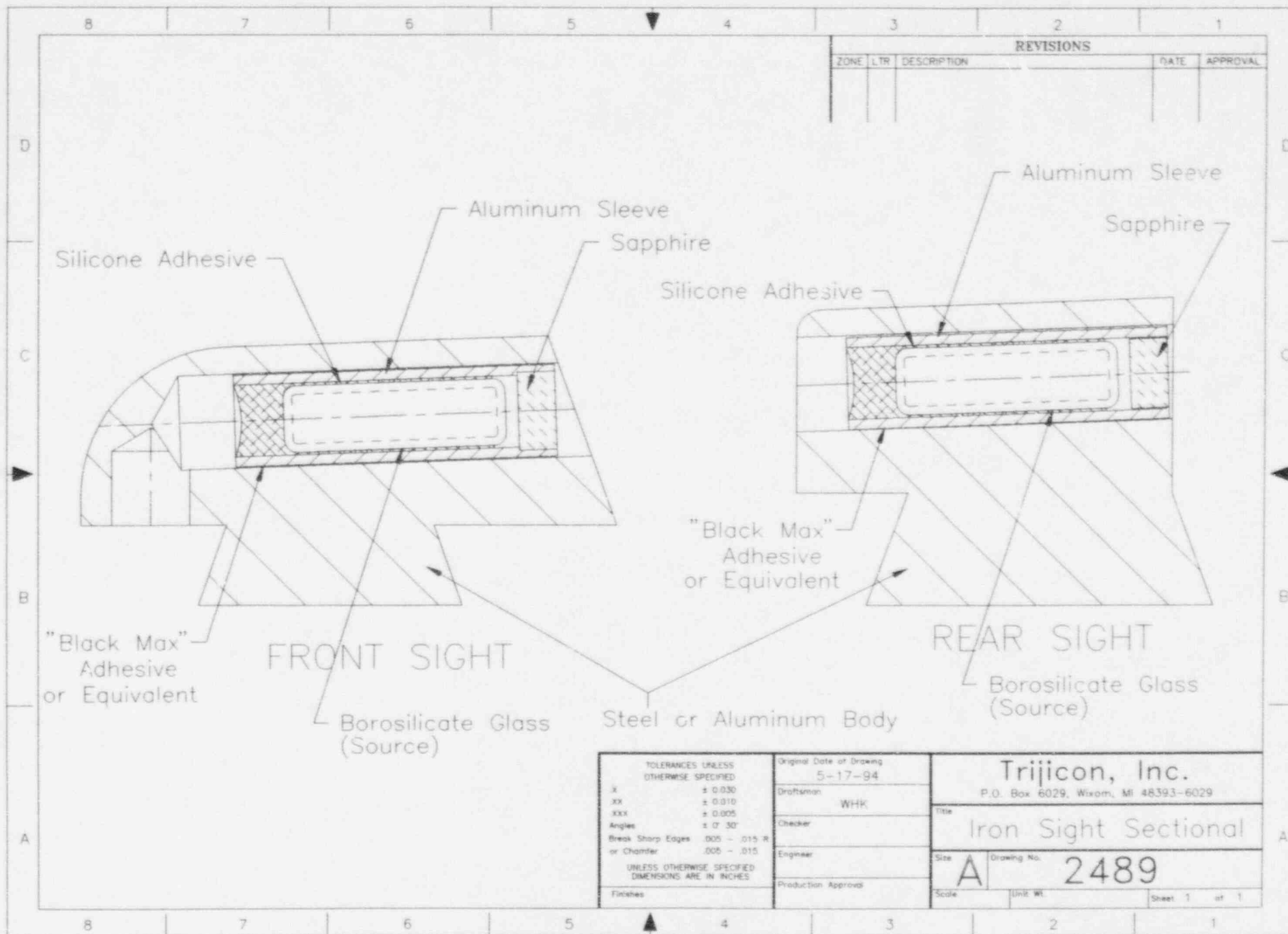
CP13, CP14, CR15, CA16, CR17, CR18, CA20, CA21, DE02, DE04, GL06, RA08, RA09, RR10, RR11, RR12, SA01, SA02, SA16, SA18, SA19, SA20, SG04, RE01 and SH01.

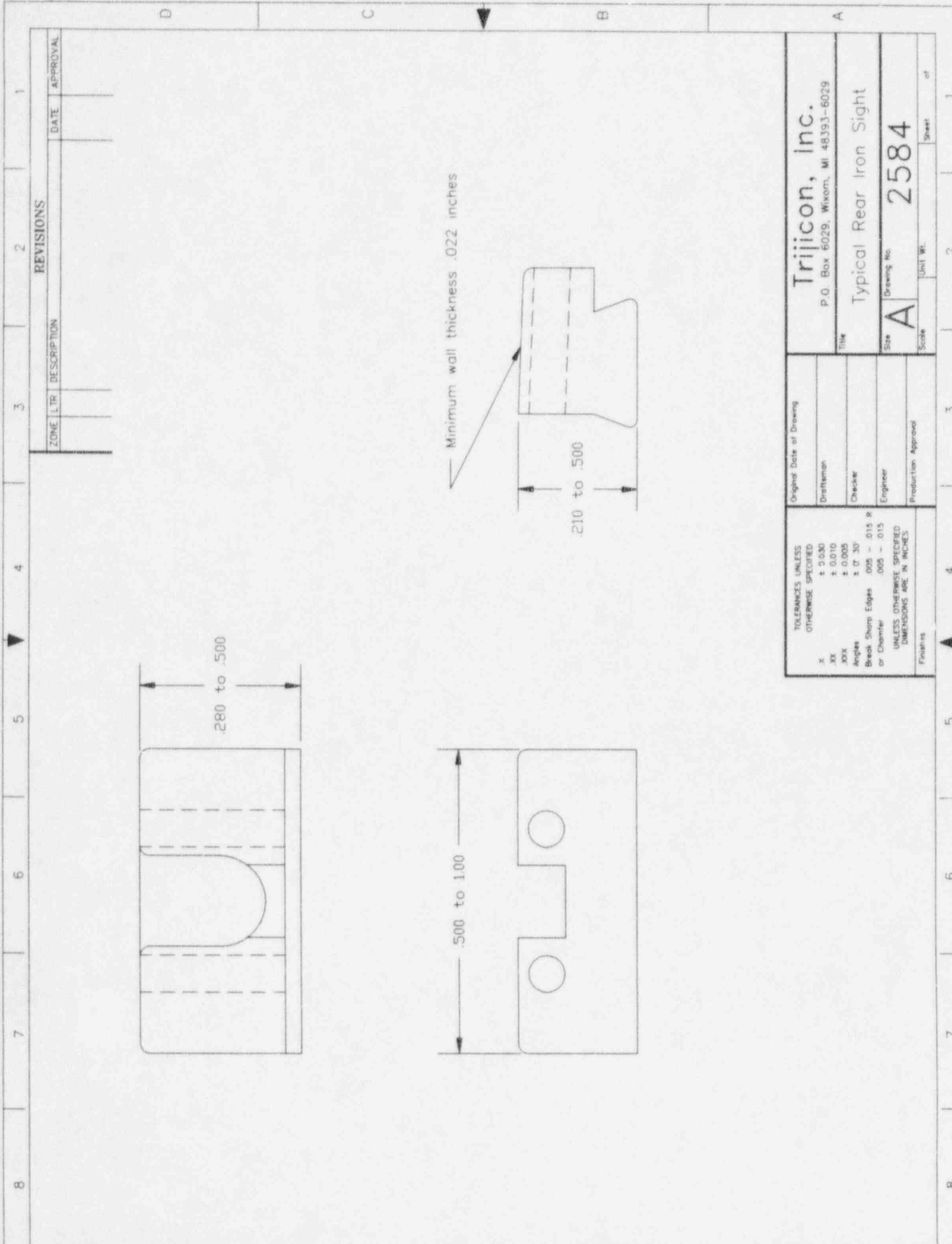
If you have any further questions regarding this amendment, please contact us at (810) 960-7700.

Sincerely,



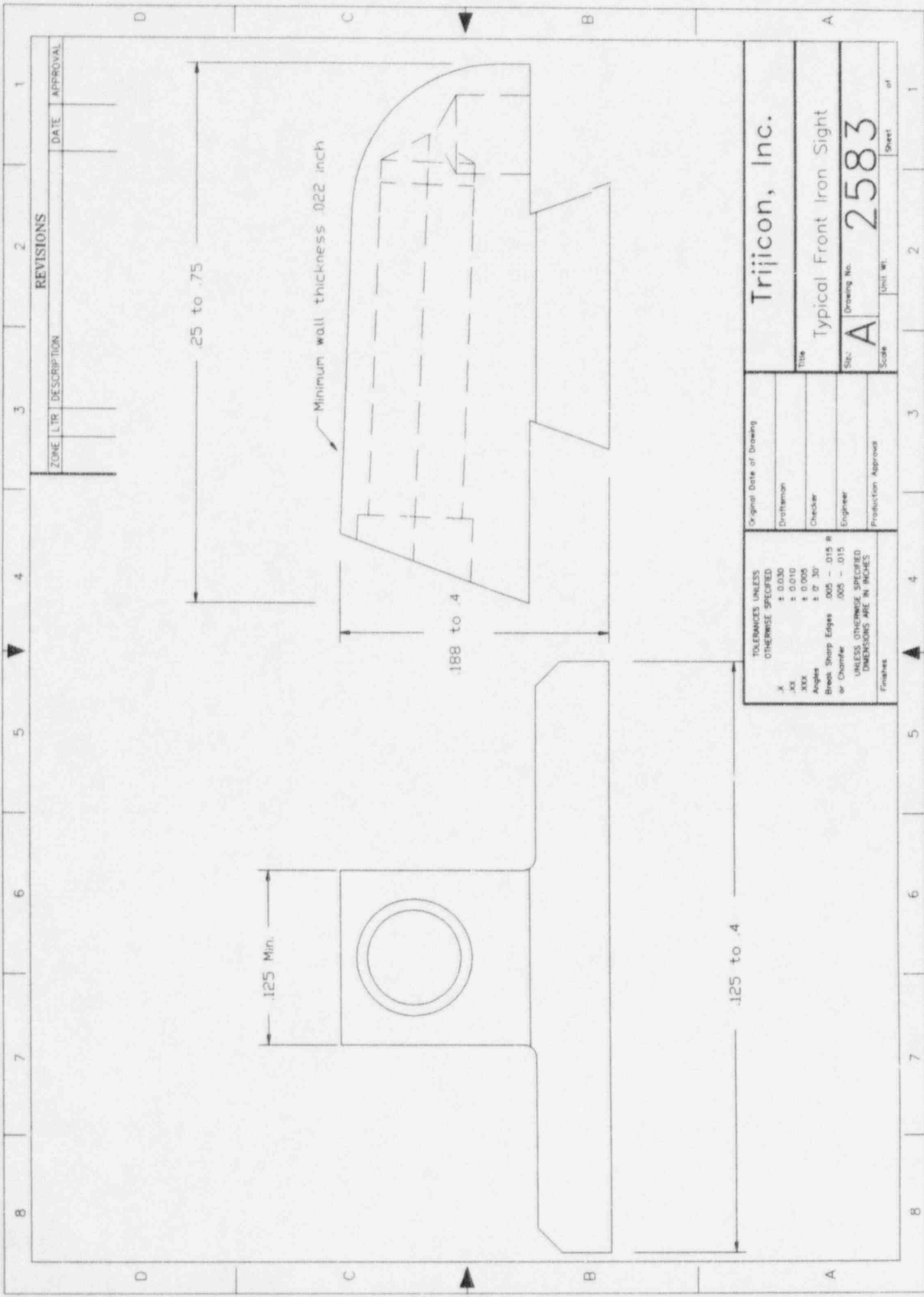
Stephen G. Bindon
Vice President - General Manager





REVISIONS		
ZONE	LTR DESCRIPTION	DATE APPROVAL

Trijicon, Inc. P.O. Box 6029, Wixom, MI 48393-6029		Title Typical Rear Iron Sight	
Original Date of Drawing Draftsman Checker Engineer Production Approval		Size A Drawing No. 2584 Scale Unit Wt. Sheet of	
TOLERANCES UNLESS OTHERWISE SPECIFIED .X ± 0.030 .XX ± 0.010 .XXX ± 0.005 Angles ± 0° 30' Break Sharp Edges .005 - .015 R or Chamfer .005 - .015 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		Finish	



REVISIONS

DATE APPROVAL

ZONE LTR DESCRIPTION

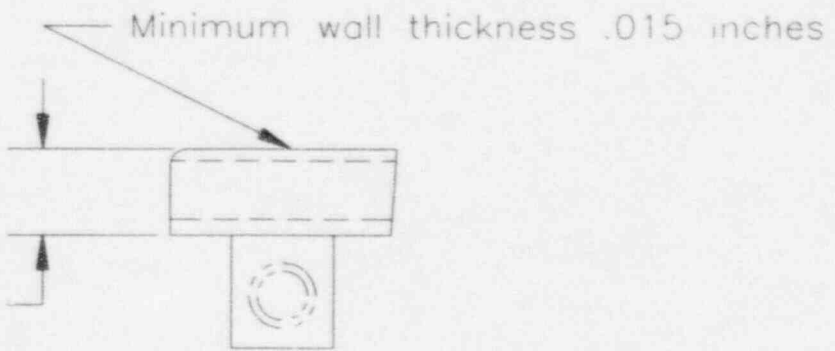
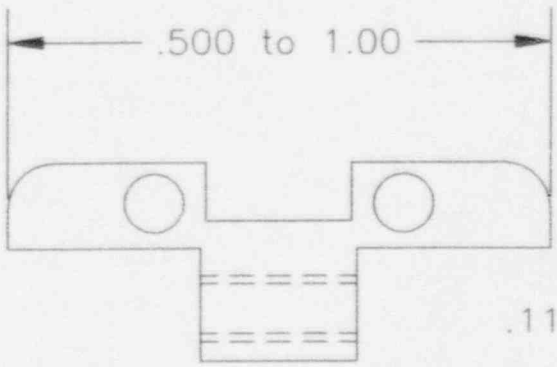
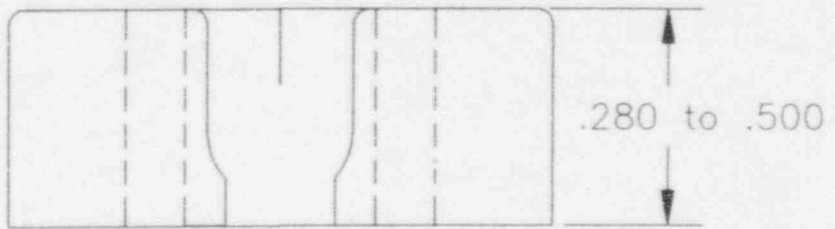
Trijicon, Inc.

Typical Front Iron Sight

2583

TOLERANCES UNLESS OTHERWISE SPECIFIED		Original Date of Drawing	
.X	± 0.030	Draftsman	
.XX	± 0.010	Checker	
.XXX	± 0.005	Engineer	
Angles	± 0° 30'	Production Approval	
Break Sharp Edges	.005 - .015 R		
or Chamfer	.005 - .015		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
Finishes			

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVAL



.110 to .250

<p>TOLERANCES UNLESS OTHERWISE SPECIFIED</p> <p>X ± 0.030</p> <p>.XX ± 0.010</p> <p>.XXX ± 0.005</p> <p>Angles ± 0° 30'</p> <p>Break Sharp Edges .005 - .015 R or Chamfer .005 - .015</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>Finishes</p>	Original Date of Drawing	<p>Trijicon, Inc.</p> <p>P.O. Box 6029, Wixom, MI 48393-6029</p>		
	Draftsman			
	Checker	Title		
	Engineer	Typical Adjustable Rear Sight Blade		
	Production Approval	Size A Drawing No. 2585	Scale	Unit Wt.

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 6029 • Wixom, Michigan 48393-6029 • Telephone: (810) 960-7700

September 29, 1994

Mr. John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Source Containment and Devices Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington
DC 20555-0001

Dear Mr. Lubinski:

We are in receipt of your letter of August 29, 1994 asking for additional information regarding our amendment application dated May 7, 1993. We have begun the work needed to submit a complete application as you requested. We expect this to be completed by the end of October, 1994 and ask that you allow us this additional time to comply with your request.

Yours sincerely,

Glyn A.J. Bindon
President

Glyn A. J. Bindon, President
Trijicon, Inc.
P.O. Box 6029
49385 Shafer Avenue
Wixom, MI 48393

AUG 29 1994

Dear Mr. Bindon:

This letter is in reference to your letter dated May 7, 1993, which request an amendment to your license, 21-19874-02E, which authorizes distribution of gun sights to persons exempt from licensing. In order to process your request, the registration certificates for the iron sights listed on your license need to be amended. Because of the number of changes requested in your application, we request that you submit a complete application for the registration of your iron sights.

Your application may request registration of series of iron sights rather than each individual sight. However, for sights to be registered as a series, there must be some similarity in the design and construction of the sights. For example, in reading your brochure, the design of the rear sights for mfg. #'s GL01, SG01, SA04, SA05, SA06, SA07, SA08, SA09, SA10, SA14, SA15, RA01, BE01, CA01, HK04, HK05, and DE01 may be registered as a series. They are similar in that they contain two light sources, which are mounted to the iron sights in the same manner, have dovetail attachments, are not adjustable, and they have the same basic design configuration. Another example of a series may be all dot sights which are attached to a weapon when distributed. When providing drawings of each series of iron sight, you may provide the maximum and minimum value of each principal dimension, including the size of the hole where the light source is mounted and the minimum material thickness around the light source. Once registered and licensed as a series, you may also add additional models to each series without amending your license or registration, as long as the models meet the general specifications of the series.

We look forward to receiving the requested information. If you have any questions, please contact me at (301) 415-7868 or Mr. Steven Baggett at (301) 415-7273.

Sincerely,

Original Signed by

John W. Lubinski, Mechanical Engineer
Sealed Source Safety Section
Source Containment and
Devices Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

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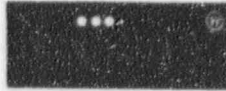
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NR 43-41

NMSS r/f

OFC:	SCDB <i>g</i>			
NAME:	JLubinski/tk			
DATE:	8/29/94			

G:\Bindon.1tr

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

Mailing Address: P.O. Box 2130 • Farmington Hills, Michigan 48333 • Telephone: (313) 553-4960

October 28, 1993

Susan Green
United States Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20801

Dear Ms. Green,

Effective December 6, 1993 we will be moving to a new address:

Trijicon, Inc.
P.O. Box 6029
49385 Shafer Avenue
Wixom, MI 48393

Phone (810) 960-7700
FAX (810) 960-7725

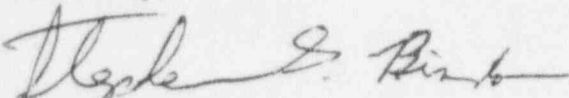
Could you please make the necessary correction to our exempt distribution license 21-19874-02E. Our license is presently in for an ammendment change pursuant to your visit here on March 23, 1993.

The licensed material will now all be used at the street address listed above, 49385 Shafer Avenue in Wixom, Michigan.

The licensed material will be stored in exactly the same manner in the same locked steel cabinet it is presently stored in.

Please call me at (313) 553-4960 if you have any questions.

Sincerely,


Stephen G. Bindon

REQUEST FOR A SEALED SOURCE OR DEVICE EVALUATION

Instructions: Send this request AND a copy of all related letters/applications and drawings to:
The Sealed Source Safety Section, ATTN: Steven Baggett, OMFN Mail Stop 6-H-3.
Change the License Tracking System milestone to 19 and assign to reviewer code 1-5.
NOTE: Retain a copy of this request with the application and background files.

REQUESTOR: SUSAN L. GREENE
PHONE NO.: 504-2686
APPLICANT'S NAME: TRIDIAN
MAIL CONTROL NO.(S): 021521

REGION: I II III IV V, HQ or LFDCB
DATE: 6/29/93
LETTER/APPLICATION DATE: 5/5/93
LICENSE NO.(S): 21-19874-026

TYPE OF ACTION REQUESTED (CHECK APPROPRIATE ACTION(S))

☐ SOURCE REVIEW ☐ DEVICE REVIEW ☐ CUSTOM REVIEW
☒ AMENDMENT OF REGISTRATION SHEET NO.(S) _____

COMMENTS: reworking of license - cursory review -
no new devices

FOR SSSS USE ONLY

DATE RECEIVED: 4/29/93 ASSIGNED NO.: 4241 DATE TO FEES: 14
MODEL NUMBERS: _____
REVIEWER: _____ DATE ASSIGNED: _____

TYPE OF ACTION (INDICATE NUMBER OF EACH TYPE)

☐ COMMERCIAL DISTRIBUTION (FORMAL)
SOURCE (9C) DEVICE (9A)
NEW NEW
AMENDMENT AMENDMENT

☐ USE BY A SINGLE APPLICANT (CUSTOM)
SOURCE (9D) DEVICE (9B)
NEW NEW
AMENDMENT AMENDMENT

☒ NO SAFETY EVALUATION REQUIRED - NO FEES REQUIRED

☐ LICENSING ACTION REQUIRED IS KNOWN: YES / NO

☐ OTHER: _____

TOTAL NUMBER OF REVIEWER HOURS: _____ NOTES: _____
NUMBER OF DEFICIENCY LETTERS: _____
NUMBER OF DEFICIENCY CALLS: _____

FOR BILLING PURPOSES ONLY

☐ NAME CHANGE ☐ ADDRESS CHANGE ☐ NEW REGISTRATION - ADD TO BILLING
☐ PRODUCT INACTIVE - REMOVE FROM BILLING

FOR FEE USE ONLY

TYPE OF FEE: _____
AMOUNT RECEIVED: _____
DATE OF CHECK: _____
APPROVED BY: _____

FEE CATEGORY: 9A 9B 9C 9D
CHECK NUMBER: _____
LOG: _____
DATE RETURN: _____
DATE: _____

☐ MATANN UPDATED
AS REQUIRED
☐ MATSYS UPDATED
AS REQUIRED

COMMENTS: _____

TRIJICON, INC.



Self-Luminous
Iron Sights and
Riflescopes

030-20771

Mailing Address: P.O. Box 2130 • Farmington Hills, Michigan 48333 • Telephone: (313) 553-4960

May 7, 1993

United States Nuclear Regulatory Commission
11555 Rockville Pike
Rockville
MD 20801

Attention: Ms. Susan Green

Subject: Amendment to License No. 21-19874-02E

Reference: Completed NRC Form 313 with payment enclosed

Dear Ms. Green:

During a routine NRC staff visit on March 23, 1993 we realized that certain conditions in the subject license should be clarified.

Further, many of the conditions on our -01 possession license were written into that license when we were distributing generally licensed gunsights. In 1983, when we obtained our -02E license, we discontinued use of general licensing actions. On May 5, 1993 we sent an amendment application to Region III to revise the scope and eliminate the fee categories 3P and 3J which are no longer used. We understand that our new fee categories should only be 3B for possession and 3H for distribution. A copy of the amendment to the possession license is included for your reference.

With respect to the last amendment 04, please make the following changes.

An explanation, comments and/or referent material is placed parenthetically following each change request. The item sequence follows the items as they are listed on our -02E license including the corresponding item on the registry page. We ask that the statements of this amendment be understood to supersede prior, more restrictive statements.

<u>License</u> <u>Item #.</u>	<u>Description of change and reason.</u>
----------------------------------	--

7.A.	Change to: "Sealed light sources (MB Microtec A.G. Model 400 Series)".
------	--

On the Registry page under Sealed Source Model Designation: change to:
"M.B. Microtec Model 400 Series."

(Delete both references to Saunders-Roe models. These lamps were used only in the Armson O.E.G. product prior to 1984. We have no plans to have an alternate source of lamp supply.)

10.A.	No change.
-------	------------

(The ACOG Series is accurately described by the specifications

REC'D

MAY 10 1993

021525

Shipping Address: 37716 Hills Tech Drive • Farmington Hills, Michigan 48331 • FAX: (313) 553-6129

written into the license. Item F. below fits accurately into this description, being of identical design and construction detail including roof prism image erection. The current model listing is shown in Attachment I. The size range is from 3.7 inch overall length to 12.5 inches. These gunsights contain lamps attached to the prism which illuminate the reticle pattern. These lamps are attached with epoxy or silicone as previously approved under our exempt license. We also wish to use epoxies and silicones equivalent to those already approved but with different brand names. In addition to the adhesives specified for GTLS mounting, please add the following: "Bob Smith Industries, Atascadero, CA Quick-Cure™ 5 Min. Epoxy, 2-Part or equivalent." We have been using this adhesive for the mounting of the glass prisms into their aluminum housing for several years. This epoxy cures to a slightly flexible consistency. This feature is important for the GTLS mounting. After completing our tests, we have determined that this adhesive is equivalent to or better than those specified in our initial device review submittal.

10.B. No change.

(The Armson O.E.G. is accurately described. The current model listing is shown on Attachment II.)

10.C. Delete.

(Archery bow pins have been discontinued.)

10.D. Revise to:- 10.C. "Iron Sight Series, being any combination of tritium illuminated dots and/or bars, installed into steel blades or directly onto a weapon for aiming. The minimum is a single bar or dot in a steel housing no smaller than .125 inch wide, .188 inch high and .25 inch long. The maximum is an arrangement of dots or bars in a single blade the combination not exceeding 90 millicuries, and a width of 1.25 inches, a height of 4 inches, and a length of 24 inches to match the rifle barrel itself.

(This revised description is complete and includes the description in H. for sight blades not installed onto weapons. The current model listing is shown in Attachment III which also shows very clearly which models are only available installed onto weapons. The minimum size listed above refers to the smallest front sight we sell. The rear sights generally have two dots and are larger. The maximum size refers to sights mounted onto a slide or barrel. Although a sight set usually consists of a front sight with one dot and rear sight with a pair of dots horizontally disposed, certain weapons require unique dot and/or bar configurations, including more than two dots in order to properly aim the weapon.)

10.E. Revise to the following:-10.D. "Trijicon Zoom Riflescope Series in which the model number is the zoom magnification range x diameter of the objective lens in mm. This series uses conventional lens image erection (unlike the ACOG Series which uses a roof prism for this purpose). This

series has a pair of 1 inch diameter or 30 mm diameter tube portions for mounting. The overall length varies from 9.5 inches to 18.5 inches. Reticle illumination is from a single 75 millicurie lamp up to 3 lamps, each 100 millicuries of different colors in the Spectrum variation."

(Items G. and I. also fit into the description above. All the conventional type rifle telescopes are very similar in design, the principal variation being the sizes of the objective lens and the magnification range. The previously approved fixed power models are identical to the zoom models except for the deletion of the zoom ring. Attachment IV shows the current model listing. In addition to the adhesives specified for GTLS mounting, please add the following: "Bob Smith Industries, Atascadero, CA Quick-Cure™ 5 Min. Epoxy, 2-Part or equivalent." We have been using this adhesive for the mounting of the glass prisms (in the ACOG Series) into their aluminum housing for several years. This epoxy cures to a slightly flexible consistency. This feature is important for the GTLS mounting. After completing our tests, we have determined that this adhesive is equivalent to or better than those specified in our initial device review submittal)

10.F. Delete.

(Included in the ACOG Series above in A.)

10.G. Delete.

(Included in the revised description E. above.

10.H. Delete.

(Included in the revised description in D. above)

10.I. Delete.

(Included in the revised description in E. above.)

We ask that you act promptly on this amendment due to its sincere effort to be accurate, to clarify and simplify the distribution license as much as possible.

Yours sincerely,



Glyn A.J. Bindon
President

Current Model Listing by Series.Attachment I10.A. ACOG Series.

Each of the ACOG Series has a roof prism for image erection. This configuration is the same for the entire series and substantially shortens the overall length for a given magnification and field of view compared to the conventional telescope in the Zoom Riflescope Series.

Model (Magnification x diameter of the objective lens)

<u>No.</u>	<u>Magnification.</u>	<u>Objective</u> <u>Lens Dia.</u> <u>mm.</u>	<u>Prism</u> <u>Size.</u> <u>mm.</u>	<u>Length</u> <u>Inches.</u>
1x16	1	16	12	4.6
1.5x16	1.5	16	12	4.1
2x16	2	16	12	3.7
1x20	1	20	12	5.8
2x20	2	20	12	4.5
1x22	1	22	12	6.9
1x24	1	24	12	6.8
1.5x24	1.5	24	12	5.7
2.25x24	2.25	24	12	5.1
2.6x24	2.6	24	12	5.0
3x24	3	24	12	4.8
1x30	1	30	12	9.2
1.5x30	1.5	30	12	7.5
2x30	2	30	12	6.7
3x30	3	30	12	6.2
3.5x30	3.5	30	12	6.0
1.5x32	1.5	32	18.5	7.5
2x32	2	32	18.5	6.9
3x32	3	32	18.5	6.2
4x32	4	32	18.5	5.8
1x35	1	35	18.5	12.5
1.5x35	1.5	35	18.5	10.2
2x35	2	35	18.5	9.8
3x35	3	35	18.5	8.3
3.5x35	3.5	35	18.5	8.0
4x40	4	40	18.5	8.9
5.5x55	5.5	55	18.5	11.5

Current Model Listing by Series.Attachment II10.B. Armson O.E.G. Series.

The Armson O.E.G. Series are distinguished by two eyepiece lens sizes and the mounting configuration. All of the model variations have the same reticle design with tritium illumination. The Mfg.# shorthand notation is also listed for clarification.

<u>Mfg.#</u>	<u>Eye Lens</u> <u>Size,mm</u>	<u>Mounting Description.</u>
AR02	14	.22 dovetail mounting
AR03	20	Standard 1 inch ring mount
AR04	20	with integral M16 base
AR05	20	with integral Mini-14 mount
AR06	20	with Beretta shotgun base
AR07	20	with Browning shotgun base
AR08	20	with Mossberg shotgun base
AR09	20	with Remington Shotgun base
AR10	20	with Galil mount
AR11	20	with AUG mount
AR12	20	with integral H&K claw mount
AR13	20	with integral UZI mounting
AR14	20	with integral FN-FAL dust cover
AR15	20	with integral FNC mount
AR16	20	with integral Mini-UZI mounting
AR18	20	with integral Grenade Launcher mount
AR19	14	with integral Striker mount
AR20	14	with integral Colt pistol mount
AR21	14	with integral Beretta pistol mount
AR22	14	with integral Browning pistol mount
AR23	14	with integral CZ75 pistol mount
AR24	14	with integral Glock pistol mount

10.C Iron Sight Series.

The Iron Sight Series are distinguished by the specific shapes, dovetails and detail mounting configuration required by each weapon brand and model. For clarification, Mfg.# shorthand notation is also shown. This Mfg.# also shows (by an "X*" prefix designation) very clearly which models cannot be shipped separately from a weapon. Trijicon distributes only a special paper COUPON through the distributor/dealer network. The customer purchases the coupon which entitles the customer to send the weapon to Trijicon or its NRC authorized agent (currently only Tooltech Gunsight) to complete the installation onto the weapon. The attached copy of the Trijicon published retail price list further amplifies this description with suitable illustrations. These models are generally representative of Trijicon's Self Luminous Iron Sights. The sizes of the metal housings around the lamps (as listed in 10.C.) will not change. The dovetail portion of the sight below the lamps will change cosmetically to reflect changing handgun styles and designs.

<u>Mfg.#</u>	<u>Mounting/Brand/Type Description.</u>
GL01	Glock 3 dot set, models 17, 17L, 19, 22, 23
GL04	Glock 3 dot set, models 20,21
GL06	Glock 3 dot set, adjustable rear blade
SG01	SIG-Sauer 3 dot set, models P225, P226, P228
SG03	SIG-Sauer 3 dot set for P220, P229 with dovetail front
SG04	SIG-Sauer 3 dot set adjustable rear with dovetail front
SA01	Smith & Wesson 3rd Generation 3 dot for 9mm or Cal .40
SA02	Smith & Wesson 3rd Generation 3 dot for Cal .45 or 10mm
SA04	Smith & Wesson pre-Novak 3rd Generation 3 dot for 9mm full size
SA05	Smith & Wesson pre-Novak 3rd Generation 3 dot for 9mm compact
SA06	Smith & Wesson pre-Novak 3rd Generation 3 dot for Cal .45 full size
SA07	Smith & Wesson 3rd Generation 3 dot for standard 9mm
SA08	Smith & Wesson 3rd Generation 3 dot for compact 9mm
SA09	Smith & Wesson 3rd Generation 3 dot for standard Cal .45
SA10	Smith & Wesson 3rd Generation 3 dot for compact Cal .45
SA14	Smith & Wesson 3rd Generation 3 dot for standard 10mm, compact .40
SA15	Smith & Wesson 3rd Generation 3 dot for standard cal .40
SA16	Smith & Wesson 3rd Gen. adjustable 3 dot for 9mm standard or Cal .40
SA18	Smith & Wesson 3rd Gen. adjustable 3 dot std. .45, 10mm, compact .40
SA19	Smith & Wesson 3rd Gen. adjustable 3 dot for compact .45
X*SA11	<u>COUPON</u> for Smith & Wesson 1st and 2nd Gen pistols
X*SR12	<u>COUPON</u> for Smith & Wesson revolvers 3 dot set for fixed rear sights
X*SR13	<u>COUPON</u> for Smith & Wesson revolvers 3 dot set, adjustable rear blade
RA01	Ruger 3 dot set for pistol model P85, P89
RR02	Ruger bar dot set for GP-100 revolver
X*RR03	<u>COUPON</u> Ruger Redhawk/Security 6 revolver bar dot set
X*RR04	<u>COUPON</u> Ruger 3 dot set for fixed sight revolver
X*RR05	<u>COUPON</u> Ruger 3 dot set for adjustable sight revolver
RA06	Ruger 3 dot set for models P90, P91
RA07	Ruger 3 dot set for model P85 Mark II

Current Model Listing by Series.Attachment III

page 2

10.C Iron Sight Series.

Continued

<u>Mfg.#</u>	<u>Mounting/Brand/Type Description</u>
RA08	Ruger 3 dot adjustable set model P85, P87
RA09	Ruger 3 dot adjustable set model P90, P91
X•BE01	<u>COUPON</u> Beretta 3 dot set for models 92 and 96
X•BE02	<u>COUPON</u> Beretta 3 dot set for models 84, 85, 85, 87
CA01	Colt 3 dot set Government, Combat and Delta Elite pistols .125 tang
CA02	Colt 3 dot set Government, Combat and Delta Elite pistols .055 tang
X•CA05	<u>COUPON</u> Colt bar dot set for Python revolver
CP06	Colt M16A2 square front sight post only
CP07	Colt M16A1 round front sight post only
CA09	Colt 3 dot set Officers model with .125 tang
CA10	Colt 3 dot set Combat Commander model with .125 tang
CP13	Colt M16A2 square front post and rear sight set
CP14	Colt M16A1 round front post and rear sight set
CR15	Colt 3 dot adjustable set for Python revolver
CA16	Colt 3 dot adjustable set for Gold Cup Pistol
CR17	Colt 3 dot adjustable set for King Cobra revolver
CR18	Colt 3 dot adjustable set for Anaconda revolver
X•CA19	<u>COUPON</u> Colt 3 dot set for model 2000 pistol
CA20	Colt 3 dot adjustable set Government, Combat, Delta Elite, Commander
CA21	Colt 3 dot set for Officers model
X•HK01	<u>COUPON</u> Heckler & Koch 3 dot set for model P-7 pistol
HK02	Heckler & Koch bar rifle front post
HK03	Heckler & Koch bar rifle front post with 2 dot rear sight blade
HK04	Heckler & Koch 3 dot set model P-7 long rear dovetail
HK05	Heckler & Koch 3 dot set model P-7 short rear dovetail
X•BR01	<u>COUPON</u> Browning Hi-Power 3 dot set, small front blade
BR01	Browning 3 dot set for older models
BR02	Browning 3 dot set models with dovetail front blade
UZ01	UZI Carbine model A front post
UZ02	UZI Carbine model B or Mini-UZI front post
UZ03	UZI Pistol front post
CZ01	CZ 3 dot set for pistol
RE01	Remington 3 dot set models 870, 1100, 1187, 74, 76, 740, 760, 7400, 7600
RE02	Remington front only models 870, 1100, 1187, 74, 76, 740, 760, 7400, 7600
SH01	Shotgun combination 3 dot set with special base adapter
SH02	Shotgun combination front only with special base adapter
DE01	Desert Eagle 3 dot set for fixed rear sight blade model
DE02	Desert Eagle 3 dot adjustable rear blade set
DE03	Baby Eagle and Jericho 3 dot set for fixed rear sight blade model
DE04	Baby Eagle and Jericho 3 dot adjustable rear blade set
FS01	Firestar 3 dot set, 9mm model
FS02	Firestar 3 dot set for cal .40
FS03	Firestar 3 dot set for cal .45

Current Model Listing by Series.

Attachment III
page 3

10.C Iron Sight Series. Continued

<u>Mfg.#</u>	<u>Mounting/Brand/Type Description.</u>
X•ACTION ARMS	Action Arms 3 dot set
X•BENELLI	Benelli 3 dot set
X•BOMAR	Bomar adjustable rear 3 dot set
X•CZ75/99	3 dot set
X•DAN WESSON	Dan Wesson 3 dot set
X•DETONICS	Detonics 3 dot set
X•MILLETT	Millett adjustable rear 3 dot set
X•SIG	Sig Sauer 3 dot set
X•SPRINGFIELD	Springfield 3 dot set
X•STAR	Star 3 dot set
X•STEYR	Steyr 3 dot set
X•TAURUS	Taurus 3 dot set
X•WALTHER	Walther 3 dot set

Current Model Listing by Series.Attachment IV10.D. Trijicon Zoom Riflescope Series.

This series of telescopes (in which the model designation is the zoom magnification range x the objective lens diameter in mm) has three types of reticle illumination approved in prior device reviews. Further, an "S•" prefix is used to designate Spectrum models. One to three lamps (75 to 100 millicuries) are used in red, green or amber. The conventional image erection telescope uses a series of lenses to erect the image. This portion is inside the waist of the telescope which is also the 1 inch or 30 mm mounting tube portion. The 30 mm tube is a stronger housing. Because of this image erection system, there are two focal planes where the reticle can be placed, either at the objective image plane, or at the ocular image plane. The mounting tube size and overall length is also listed below. (The fixed power models are also grouped here, but these are not very popular due to the customer preference for the more compact ACOG series.)

Model (Zoom Magnification range x diameter of the objective lens)

<u>No.</u>	<u>Magnification.</u> <u>Range.</u>	<u>Objective</u> <u>Lens Dia.</u> <u>mm.</u>	<u>Mount</u> <u>Tube</u> <u>Dia.</u>	<u>Length</u> <u>Inches.</u>
1.5-5x32	1.5 to 5	32	1 inch	11.9
2-7x40	2 to 7	40	1 inch	11.9
3-9x56	3 to 9	56	1 inch	14.1
4x32	4	32	1 inch	11.6
4x40	4	40	1 inch	12.2
6x56	6	56	1 inch	14.1
S•1-3x20	1 to 3	20	1 inch	9.6
S•3-9x40	3 to 9	40	1 inch	13.1
S•3-9x56	3 to 9	56	1 inch	14.2
S•4x40	4	40	1 inch	12.2
S•6x56	6	56	1 inch	14.1
1-4x20	1 to 4	20	30 mm	9.5
1.5-6x42	1.5 to 6	42	30 mm	12.6
2-8x42	2 to 8	42	30 mm	13.4
2.5-10x42	2.5 to 10	42	30 mm	13.4
3-12x56	3 to 12	56	30 mm	14.4
6-24x56	6 to 24	56	30 mm	18.5

021525

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE
☒ B. AMENDMENT TO LICENSE NUMBER 21-19874-02E
☐ C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

TRIJICON, INC.
P.O. BOX 2130
FARMINGTON HILLS, MI 48333

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

TRIJICON, INC.
37716 HILLS TECH DRIVE
FARMINGTON HILLS, MI 48331

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

GLYN A.J. BINDON

TELEPHONE NUMBER

(313) 553-4960

SUBMIT ITEMS 5 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 3H AMOUNT ENCLOSED \$ 270.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 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.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Glyn A.J. Bindon

GLYN A.J. BINDON

PRESIDENT

5/5/93

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

<\$250K	\$1M-3.5M
\$250K-500K	\$3.5M-7M
\$500K-750K	\$7M-10M
\$750K-1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☐ YES

☐ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

DATE

\$270

17674

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5/13/93

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

R1201021

LICENSING TRACKING SYSTEM

DATE: 930510

PAGE: 1

LTS WORKSHEET

DOCKET NO : 03020771 LICENSE NO : 21-19874-02E STATUS: 0
MAIL CONTROL: 021525 RECEIPT DATE : 930510 ACTION TYPE: 4
DUE DATE : 930808
FED GOVT : N *960430* INST. CODE : 19874 LICENSE REGION: 0
ISSUE DATE: ~~990329~~ ORIGINAL DATE: 840117 EXPIRATION DATE: 19950331
NAME : TRIJICON, INC. DECOM FIN ASSUR REQD: N
SUBM: -
DEPT/BUREAU: *49385 State Avenue* CONT PLAN REQD: N APPRV: -
BUILDING : *Wixom, MI 48393-2869*
STREET : *P O BOX 2130*
CITY : *FARMINGTON HILLS* STATE: MI ZIP: *48333*
CONTACT PERSON: GLYN A. J BINDON PHONE: _____
PRIMARY PGM CODE 03254 SECONDARY PGM CODES: _____
INSPECTION REGION 3 PRIORITY CODE: 5 INSPECTION CATEGORY: EIC
RADIATION SAFETY OFFICER: _____
STATES WHERE USE IS AUTHORIZED: 1 0 - ALL LISTED STATES
1 - SAME AS STATE IN ADDRESS
2 - ALL STATES
3 - NON-AGREEMENT STATES
AUTHORIZED STATES: _____ (USE ONLY IF ABOVE IS ZERO)
REPORTING IDENTIFICATION SYMBOL: _____
APPROVAL FOR REDISTRIBUTION: N STORAGE ONLY: N
TEMPORARY JOB SITES: N INCINERATION: N
BURIAL: N
EXEMPTIONS: (1) _____ (2) _____

POSSESSION LIMIT INFORMATION

PAGE: 2

MATERIAL TYPE	:	NPA	FORM CODE:	NPA	AGGREGATE CODE:	NPA
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:	00000000.0000000000	UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			
MATERIAL TYPE	:		FORM CODE:		AGGREGATE CODE:	
MODEL NUMBER	:					
DESCRIPTION	:					
TOTAL QUANTITY	:		UNIT:			
OTHER	:	-	# SOURCES:			

INDIVIDUAL USERS

PAGE: 3

AUTHORIZATION

NAME

_____	_____
_____	_____
_____	_____
_____	_____

ADDRESS WHERE MATERIAL IS USED OR POSSESSED

BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____
BUILDING:	_____	_____	_____
ROOM:	_____	_____	_____
STREET:	_____	_____	_____
CITY:	_____	_____	_____
STATE:	_____	_____	_____

DECOMMISSIONING FINANCIAL ASSURANCE INFORMATION

PAGE: 4

DOCKET: 03020771 LIC: 21-19874-02E NAME: TRIJICON, INC.

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

PARTY ISSUING MECHANISM: ASSUR TYPE : _ (C=CERT D=DFP)
NAME : MECH TYPE : _
ADDR1 : MECH AMOUNT : _
ADDR2 : APPROVED? _ DATE : _
CITY : EXPIRES ? _ DATE : _
STATE : ZIP : _

LICENSE DATA, CONTINUED

PAGE: 5

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DOCKET NO: 03020771 LICENSE NUMBER: 21-19874-02E

NAME : TRIJICON, INC.

=====

MEDICAL QUALITY MANAGEMENT PROGRAM REQUIRED: N RECEIVED: _ APPROVED: _

DECOMMISSIONING FINANCIAL ASSURANCE REQUIRED: N SUBMITTED: _

CONTINGENCY PLAN REQUIRED: N APPROVED: _

DECAY-IN-STORAGE APPROVED: N HOLDING FOR < 10 HALF-LIVES APPROVED: _

T 1/2 > 65 DAYS, ISOTOPE(S): _____

INTERIM STORAGE UP TO 1996: N

=====

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03254
Status Code: 0
Fee Category: 3H
Exp. Date: 19950331
Fee Comments: _____
Decom Fin Assur Req'd: N
.....

LICENSE FEE TRANSMITTAL

2 REGION HQ

APPLICATION ATTACHED

Applicant/Licensee: TRIJICON, INC
Received Date: 930510
Docket No: 3020771
Control No.: 021525
License No.: 21-19874-02E
Action Type: Amendment

FEE ATTACHED

Amount: \$270.00
Check No.: 17624

3 COMMENTS

Signed
Date

M. Morarty
5-11-93

LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /☒/)

Category and Amount: 3H \$270

Applicant's Application may be processed for:

3 OTHER

Signed
Date

[Signature]
5/13/93