

CAMMENGA AND ASSOCIATES

2011 Bailey Street  
DEARBORN, MI 48124  
P 313-914-7160  
F 313-914-7153

Director of the Office of Federal and State Materials  
and Environmental Management Programs  
Attn: Document Control Desk/Exempt Distribution  
US Nuclear Regulatory Commission  
Washington, DC 20555-0001

30-33020

January 22, 2018

To Whom It May Concern:

The enclosed Periodic Report of Transfer is respectfully submitted. Do not hesitate to contact me if anything further is needed.

Best Regards,



Deborah A. Spykerman  
Radiation Safety Officer  
Production Manager  
313-914-7160  
debbi@cammenga.com

NMSS03

**CAMMENGA AND ASSOCIATES**

2011 BAILEY STREET

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**PERIODIC REPORT OF TRANSFER**

For exempt distribution license #21-26460-02E

From January 1, 2017 through December 31, 2017

According to 10 CFR 32.25 (c), this report is concerning products transferred to other persons for use under 10 CFR 30.19. The following information will meet that requirement:

1. Regarding the Lensatic Military Compass (NSN 6605-01-196-6971) containing self-luminous, H-3 sealed source vials.

Each compass contains a set of seven of the above-mentioned sealed source vials as follows:

- a. 4 Each of Vials Containing 5 Millicuries of Tritium
- b. 2 Each of Vials Containing 25 Millicuries of Tritium
- c. 1 Each of Vials Containing 50 Millicuries of Tritium

Total Tritium Activity per Compass: 120 Millicuries

Last calendar year we transferred **80,467** compasses, each containing 120 Millicuries of Tritium.

2. Regarding the wrist compass containing (NSN 6605-00-809-5252, with tritium) self-luminous, H-3 sealed source vials.

Each compass contains a set of three of the above-mentioned sealed source vials as follows:

- a. 3 Each of Vials Containing 5 Millicuries of Tritium

Total Tritium Activity per Compass: 15 Millicuries

Last calendar year we transferred **1,591** compasses each, containing 15 Millicuries of Tritium.

3. Regarding the reduced tritium lensatic compass manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each compass contains a set of five of the above-mentioned sealed source vials as follows:

- b. 4 Each of Vials Containing 2.16 Millicuries of Tritium
- c. 1 Each of Vials Containing 18 Millicuries of Tritium

Total Tritium Activity per Compass: 26.64  
Millicuries

Last calendar year we transferred **1,114** compasses each, containing 26.64 Millicuries of Tritium.

4. Regarding the D3T destinate compass manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each compass contains a set of six of the above-mentioned sealed source vials as follows:

- a. 3 Each of Vials Containing 5 Millicuries of Tritium
- b. 2 Each of Vials Containing 25 Millicuries of Tritium
- c. 1 Each of Vials Containing 50 Millicuries of Tritium

Total Tritium Activity per Compass: 115 Millicuries

Last calendar year we transferred 1,781 compasses each, containing 115 Millicuries of Tritium.

5. Regarding the reduced tritium D3T destinate compass manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each compass contains a set of four of the above-mentioned sealed source vials as follows:

- a. 3 Each of Vials Containing 2.16 Millicuries of Tritium
- b. 1 Each of Vials Containing 18 Millicuries of Tritium

Total Tritium Activity per Compass: 24.48 Millicuries

Last calendar year we transferred 1 compasses each, containing 24.48 Millicuries of Tritium.

6. Regarding the knives manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each knives contains a set of two of the above-mentioned sealed source vials as follows:

- a. 2 Each of Vials Containing 100 Millicuries of Tritium

Total Tritium Activity per Knife: 200 Millicuries

Last calendar year we transferred 9 knives, each containing 200 Millicuries of Tritium.

7. Regarding the AF Series gun sights manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each gun sight contains one of the above-mentioned sealed source vials as follows:

- a. 1 Each of Vials Containing 6 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 6 Millicuries

Last calendar year we transferred 23 gun sights, each containing 6 Millicuries of Tritium

- b. 1 Each of Vials Containing 7 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 7 Millicuries

Last calendar year we transferred 150 gun sights, each containing 7 Millicuries of Tritium

- c. 1 Each of Vials Containing 13 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 13 Millicuries

Last calendar year we transferred 6,030 gun sights, each containing 13 Millicuries of

Tritium

d. 1 Each of Vials Containing 15 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 15 Millicuries

Last calendar year we transferred **2,797** gun sights, each containing 15 Millicuries of Tritium

e. 1 Each of Vials Containing 17 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 17 Millicuries

Last calendar year we transferred **299** gun sights, each containing 17 Millicuries of Tritium

f. 1 Each of Vials Containing 18 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 18 Millicuries

Last calendar year we transferred **15,615** gun sights, each containing 18 Millicuries of Tritium

8. Regarding the AF Series gun sights manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each gun sight contains two of the above-mentioned sealed source vials as follows:

a. 2 Each of Vials Containing 6 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 12 Millicuries

Last calendar year we transferred **3,410** gun sights, each containing 12 Millicuries of Tritium

b. 2 Each of Vials Containing 18 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 36 Millicuries

Last calendar year we transferred **7,588** gun sights, each containing 36 Millicuries of Tritium

9. Regarding the AF Series gun sights manufactured under Possession License #21-26460-01, containing self-luminous, H-3 sealed source vials.

Each gun sight contains three of the above-mentioned sealed source vials as follows:

a. 3 Each of Vials Containing 7 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 21 Millicuries

Last calendar year we transferred **20** gun sights, each containing 21 Millicuries of Tritium


b. 3 Each of Vials Containing 15 Millicuries of Tritium

Total Tritium Activity per Gun Sight: 45 Millicuries

Last calendar year we transferred **2,177** gun sights, each containing 45 Millicuries of Tritium

We trust that this fulfills the reporting requirement specified in 10 CFR 32.25 (c). Please contact me if any other information is needed.

With Best Regards,

A handwritten signature in black ink, appearing to read "Deborah Spykerman". The signature is fluid and cursive, with the first name "Deborah" and last name "Spykerman" clearly distinguishable.

Deborah Spykerman  
VP Operations  
Radiation Safety Officer

cc: US NRC Region III

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