

**From:** William Ward  
**To:** H. Savage  
**Date:** Fri, Dec 6, 2002 4:24 PM  
**Subject:** Night Hawk Sight Pins - questions

Mr. Savage,

Per our phone conversation, here are the confirmations I need.

In Section II, page 4 of the application, you stated that the sight pins contain only 14 mCi each. This activity is used frequently throughout the application. However, in Section V.A, Item F at the top of page 5, you mentioned the sight activity as 0.14 Ci (5.2 GBq). I believe this should be 0.014 Ci (518 MBq). Please confirm that the correct value is 0.014 Ci or 14 mCi (518 MBq).

Likewise, in Section VIII, the activity is stated to be 0.14 Ci each, and with 10,000 units annual distribution, 1,400 Ci annual distribution. Please confirm that these numbers should be 0.014 Ci and 140 Ci annual distribution.

In Section XIII.c, page 7, the calculated value for 'C' is  $2.29E-10$  mCi/m<sup>3</sup>. Our calculations show that the value should be  $2.29E-7$  mCi/m<sup>3</sup>. Please confirm the exponent in this case to be -7, not -10.

Likewise, on page 8, the value of 'C' is carried through the calculation. Please see Annual committed dose:  $H = 2.29E-10$ ..... Please confirm that I should correct the exponent value here to -7.

In Section II, page 4, you listed the mb-microtec source configuration as 40011. I understood this to mean model 400/1. However, in Section V.A Item A at the top of page 5, you stated that the sources have a rectangular section. Per SSD Certificate NR-446-S-102-S, the rectangular section source is a model 400/3. Please confirm that you intend to use model 400/3 in your sight pins.

Please confirm that the drawing units are inches.

You may reply to this email, by mail, or fax me your response at the number below. In the interest of time, if you prefer to mail the response, please fax a copy prior to mailing. Thank you.

Sincerely,  
William R. Ward, P.E.  
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**Subject:** Night Hawk Sight Pins - questions  
**Creation Date:** Fri, Dec 6, 2002 4:24 PM  
**From:** William Ward

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