

## Miller, Debra

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**From:** Herrera, Tomas  
**Sent:** Wednesday, April 09, 2014 8:25 AM  
**To:** 'Chris Vanderpool'  
**Cc:** Jankovich, John; Kotzalas, Margie  
**Subject:** RE: Hopewell Designs, Inc. DS20

Mr. Vanderpool,

Based on your response and confirmation that the five source (stacked) configuration was part of the original design that was not communicated correctly in your application, and that this configuration will not affect the size of the source holder, the prototype testing results, or the radiation profiles, we have determined that Sealed Source and Device Registration Certificate, GA-1138-D-107-S is still valid.

Please accept this email as confirmation that Hopewell Designs Inc. may distribute the DS20-1Co model with the five source (stacked) configuration. The NRC will revise the registration certificate to reference the five source (stacked) configuration when the certificate is transferred to the new NRC certificate number.

Please contact me if you have any questions.

Thank you,  
Tomas Herrera  
U.S. NRC  
SS&D Team Leader  
FSME/MSSA/Licensing Branch  
301-415-7138

**From:** Chris Vanderpool [mailto:chris.hdirad@gmail.com]  
**Sent:** Tuesday, April 08, 2014 4:46 PM  
**To:** Herrera, Tomas  
**Cc:** Jankovich, John  
**Subject:** Re: Hopewell Designs, Inc. DS20

Tomas,

Thank you for the quick response. I confirm that the use of five source (stacked) will not affect the size of the source holder, that the prototype testing provided in the application is still applicable with the five sources, and that the use of the five source dos not affect the radiation profiles submitted in the application.

The device was originally designed to contain 5 sources and all testing and radiation profiles are based on this design as submitted in the original application. The total number of sealed sources were not accurately described to match what is shown in the drawings within the registration certificate.

Thank you again for the quick evaluation,

Chris

On Tue, Apr 8, 2014 at 2:59 PM, Herrera, Tomas <[Tomas.Herrera@nrc.gov](mailto:Tomas.Herrera@nrc.gov)> wrote:

Good Afternoon Mr. Vanderpool,

We reviewed the registration certificate GA-1138-D-107-S and compared it to Hopewell Design's application submitted to the Georgia dated November 16, 2012. Specifically, on page 2 of the application it states that the DS20-1Co "contains a single Co-60 radioactive source with a maximum activity of 50 curies." Based on this, it appears that the registration certificate was correctly written, based on the information provided.

However, if you can confirm that the use of five sources (stacked) will not affect the size of the source holder, that the prototype testing provided in your application is still applicable with the five sources, and that the use of five sources does not affect the radiation profiles, we can accept that information and make the changes to your registration certificate when we complete the transfer to the NRC.

When you have provided the assurances, we will send you an email confirming that we will make the changes to the registration certificate, and confirm that the five stacked sources to not impact the safe use of the device. You can then use this email, in the event of any questions that arise regarding the use/distribution of the device.

Thank you,

Tomas Herrera

SS&D Team Leader

U.S. NRC

FSME/MSSA/Licensing Branch

301-415-  
7138

**From:** Chris Vanderpool [mailto:[chris.hdirad@gmail.com](mailto:chris.hdirad@gmail.com)]

**Sent:** Monday, April 07, 2014 4:02 PM

**To:** Herrera, Tomas

**Subject:** Hopewell Designs, Inc. DS20

Dear Mr. Herrera,

I have run into a potential issue with our DS20-1Co registration that was approved by the state of GA on 6-12-2013 and I would like your opinion on how to proceed.

The DS20-1Co contains a single source rod in the device which contains 5 Cobalt-60 (10Ci ea.) sources stacked on top of each other. The source rod and 5 sources are illustrated in Attachment number 4 of device registration GA-1138-D-107-S (Attached).

The registration contradicts itself in a few places in regards to how many source are actually contained in the DS20-1Co. The text of the registration state a single source is contained in the device when it is actually 5 stacked together to create 1 (50Ci) source rod. Here are a few examples:

-Table II listed on page 2 of the registration indicates 1 is the max number of sources when it is actually 5 to create 1 source rod.

-Page 3 under DS20-1Co states single source when it should either state single source assembly or 5 sources.

We are about to install this device in the near future at a customer site who has been licensed to possess the DS20-1Co.

I intend to submit an amendment to correct the discrepancy. Is this discrepancy enough cause to delay the installation? The device was supposed to be installed 6 months ago. Delays with the customer license postponed the installation which has now been approved.

Hopefully, I can submit an amendment and the installation can move forward as planned. An additional 6-8 month wait would be devastating at this point. Please let me know how we should proceed and maintain compliance. If possible I'd like to speak with you today by phone.

Best regards,

Chris Vanderpool, RRPT

Radiation Safety Officer

Hopewell Designs, Inc.

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(770) 667-5770 Main office



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Chris Vanderpool, RRPT

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