

**From:** "R.O. Rushton" <RORushton@HopewellDesigns.com>  
**To:** Eric.Jameson@dnr.state.ga.us; RORushton@HopewellDesigns.com  
**Date:** Friday, 27 March, 2009 15:35:39  
**Subject:** Re: questions & clarifications for DI-40 series amendment (GA-1138-D-103-S)

Eric,  
Isotope Products is making a larger source for us. They do not list it in their catalog, but have made these larger sources in the past on request from their customers. In discussing desired dose rates for beta for checking EPDs, we determined that a 10 uCi source would work, and Isotope Products agreed to make this larger source. To be on the safe side, I put down a maximum size of 20 uCi on the application if future customers want a higher dose rate. The Type A source is the form that will be used for this source.

Robert

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On Fri, Mar 27, 2009 at 2:34 PM, Eric Jameson  
<Eric.Jameson@dnr.state.ga.us>wrote:

- > Got and printed the spec sheet from IPL.
- >
- > The fact that there is not a SS&D registry sheet is not a show-stopper,
- > since there is a clause that beta or gamma sources that do not exceed 100
- > uCi, or 10x the value from 10 CFR 30.71 Schedule B (exempt quantity table)
- > do not require a SSDR. Note that for CI-36, the Schedule B value is 10 uCi;
- > so, as long as we're talking about 20 uCi max activity, we're okay.
- >
- > When compared to the CAL2703 source from NAS, the IPL source is very
- > similar in overall design (materials of construction, chemical form, etc.)
- > and differs only slightly in overall dimension. This difference would be
- > addressed during source tube design for each individual unit.
- >
- > The question I have is that, on the spec sheet, IPL indicates an activity
- > range of 5 nCi to 100 nCi, which is much less than 20 uCi requested.
- > Additionally, IPL identifies this as the A1209 (as noted in the Figure),
- > and catalog # BF-036-A, instead of SK1261.
- >
- > Is the Type A Beta Standard the actual source you were planning to use?
- >
- > Eric T. Jameson
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