

Date: Sun, 20 Jun 2004 12:20:21 +0530 (IST)  
From: A K SINGHVI <singhvi@prl.ernet.in>  
Subject: Re: hello  
To: "C.P.Rajendran" <cp\_r@vsnl.com>  
X-pstn-version: pmps:sps\_solaris\_1\_1\_0c0 pase:2.5  
X-pstn-levels: (C:79.5348 M:97.3254 P:95.9108 R:95.9108 S:88.3116 )  
X-pstn-settings: 3 (0.1000:0.2000) p:14 m:13 C:13 r:14  
X-pstn-addresses: from <singhvi@prl.ernet.in>  
Original-recipient: rfc822;cp\_r@vsnl.com

TL      Grays! N/A

>  
> Radiation level responsible for TL signal is measured in grays (Gy). It is  
> being explained as 100 rad = 1 gray. I need to know the basis of 'rad'. I  
> have also seen mGy/yr. What does 'm' stand for?

Gy is one joule/kg of energy absorbed.  
100 rads is 1 gray  
and mGy is milli gray (1/1000).

Lum is produced by radiation and Gy is a measure of the radiation dose. Using a calibrated beta source we do a calibration curve of beta dose vs lum intensity and then use this to convert natural luminescence to radiation units.

I was in B'lore and have seen your mail only today.

Regards  
ashok

> Could you give a quick answer?  
>  
> CP  
>  
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Printed for "C.P.Rajendran" <cp\_r@vsnl.com>

6/21/2004