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① Agency: Virginia Department of Health

② VAC Number/Chapter Title: 12VAC5-481, Virginia Radiation Protection Regulations

③ Effective Date of Final Regulation (leave blank for proposed stage): 7/5/2016

④ Name of Document Incorporated by Reference (include edition or effective/revised date):  
National Council on Radiation Protection and Measurements (NCRP) Report 69, "Dosimetry of X-ray and Gamma Ray Beams for Radiation Therapy in the Energy Range 10 keV to 50 MeV" (1981).

⑤ Summary or description of the document incorporated by reference:  
NCRP Report No. 69 describes a dosimetric process that will allow the delivery of a prescribed absorbed dose from x-ray and gamma-ray sources to a uniform phantom within the accuracy needed for radiation therapy. The radiations considered in the Report are x rays with peak energies in the range from 10 keV to 50 MeV and gamma-rays from radionuclide therapy units. The Report describes and discusses the many recommended procedural details for the continuing proper delivery of absorbed dose by radiation therapy machines. The Report also considers the salient features of exposure and absorbed dose measurement that relate them to the national radiation standards, and includes a discussion of the uncertainty in the delivery of the absorbed dose.

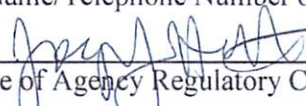
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Office of Radiological Health  
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Document may be obtained from the following entity (include website and cost of document):  
<http://ncrponline.org/publications/reports/ncrp-report-69/>  
\$ 35.00 - hardcopy  
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⑧ Explain why it is impractical to file a copy of the document incorporated by reference:  
The Office of Radiological Health has a hard copy of NCRP Report #69 that is available for public review. Purchasing another hard copy of the report would be an unnecessary expenditure. Also, the NCRP Terms and Conditions for electronic purchases (of a PDF copy) prohibits distributing or posting PDF files without written permission of NCRP.

⑨ Attach a copy of the document cover, title page, and copyright page.

Requested by: Joe Hilbert / 804-864-7006  
Print Name/Telephone Number of Agency Regulatory Coordinator  
 March 31, 2016  
Signature of Agency Regulatory Coordinator Date

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Registrar of Regulations Date



NCRP REPORT No. 69

**Dosimetry of X-Ray and  
Gamma-Ray Beams for Radiation  
Therapy in the Energy  
Range 10 keV to 50 MeV**

**|N|C|R|P|**

*National Council on Radiation Protection and Measurements*

NCRP REPORT No. 69

Dosimetry of X-Ray and  
Gamma-Ray Beams for  
Radiation Therapy in the  
Energy Range 10 keV  
to 50 MeV

Recommendations of the  
NATIONAL COUNCIL ON RADIATION  
PROTECTION AND MEASUREMENTS

*Issued December 15, 1981*

*National Council on Radiation Protection and Measurements*  
7910 WOODMONT AVENUE / WASHINGTON, D.C. 20014



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## Prefa

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Protection and Measurements 1981

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