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HALF-SPACE GENERAL MULTIGROUP TRANSPORT THEORY*

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FUNDAMENTALS OF NUCLEAR SCIENCE AND ENGINEERING

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Department of Mechanical and Nuclear Engineering College of Engineering KANSAS STATE UNIVERSITY Manhattan, Kansas 2009 Approved by: Major Professor Dr Kenneth Shultis ii Abstract A program which calculates the radiation dosage to a predetermined set of components **Approximate Equation to Correct Point Source Assumption**

[7] J Kenneth Shultis and Richard E Faw, Radiation Shielding, American Nuclear Society, Illinois, USA, p164-, 2000 [8] X-5 Monte Carlo Team, MCNP-A General Monte Carlo N-