



Department of Energy
Richland Operations Office
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Richland, Washington 99352

0302701
CC Recd: 07/09/2003

03-SHQ-0046

JUL 8 2003

Mr. D. B. Van Leuven, President
and Chief Executive Officer
Fluor Hanford, Inc.
Richland, Washington 99352

Dear Mr. Van Leuven:

**CONTRACT NO. DE-AC06-96RL13200 – EXEMPTION FOR THE USE OF SEALED
RADIOACTIVE SOURCES AT THE HAMMER FACILITY**

In response to the recommended actions from the June 27, 2003 meeting concerning utilization of the HAMMER facility for research and development of vehicle portal monitoring equipment, RL grants a one time exemption to RL's "Policy and Procedure for Using Radioactive Materials in Training at HAMMER," dated May 24, 2000. Specifically, RL grants an exemption to this policy for the utilization of sealed radioactive sources at HAMMER for the purpose of completing the testing and final development of PNNL's project "HEU Detection via U-232 Using Portal Monitors." This exemption allows the use of radioactive materials for a purpose other than training at HAMMER as well as allowing for the use of two sealed sources above the corresponding microCi restrictions specified in the above policy. All other requirements established within the above policy and procedures remain in effect, including records demonstrating the removal of the sealed radioactive sources from the facility.

The following radioactive sealed sources are approved as part of this exemption to be used in conjunction with this project at HAMMER:

- 1) U-232, 8.1 microCi
- 2) Th-232, 20 microCi
- 3) Co-57, 20 microCi
- 4) Co-60, 20 microCi
- 5) Ba-133, 20 microCi
- 6) Cs-137, 20 microCi
- 7) Na-22, 20 microCi
- 8) Ra-226, 20 microCi
- 9) Ra-228, 20 microCi
- 10) Th-228, 20 microCi
- 11) Am-241, 5.4 microCi

Please note that the Th-232 and the Co-60 sources are considered accountable sealed sources as per 10 CFR 835.2(a) and 10 CFR 835.1202, Accountable Sealed Radioactive Sources will apply.

Mr. D. B. Van Leuven
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If you have any questions, please contact Doug Shoop, Director, Safety, Health and Quality Assurance Division, on (509) 376-0108.

Sincerely,



Keith A. Klein
Manager

SHQ:EP

cc: W. J. Hoogendoorn, FHI
G. Perkins, FHI