

Appendix E

Appendix E Project Exposure

The NSS Characterization Project required personnel monitoring for those individuals involved in the project. MARAD provided the RADOS DBR-1 System reader (Serial number 230011) and a supply of DIS-1 dosimeters.

The manufacturer provided a device called a Calibration Plug (Serial number 204024) to permit calibration of the reader, thereby ensuring accuracy of dosimeter readings.

Initial calibration was performed using the Calibration Plug, and results were entered in the project log book. Thereafter, the Calibration Plug was used each morning to verify correct operation of the reader.

Individual members of the project wore a dosimeter when entering an area controlled by an RWP. Individuals would select a dosimeter, log on to a Daily Personnel Exposure Record, zero the dosimeter using the RADOS DBR-1 reader, and fasten the dosimeter to the front of the body between the waist and neck with the dosimeter facing out. At the end of the work period, individuals would insert their dosimeter into the RADOS DBR-1 reader and record the reading on the Daily Personnel Exposure Record.

Summary of individual exposures for the project:

Name	μ sievert	milliRem
Thomas E. Craddock	139	13.9
Benjamin J. Scott	182	18.2
Loman H. Scott	162	16.2
James H. Lovedahl	44	4.4
Robert E. Pennock	84	8.4
Jon Stouky	54	5.4
John Bowen	217	21.7
Richard Ranellone	0	0
Keith Welch	73	7.3
Matt Baxter	46	4.6
Brent Williams	43	4.3
Rob Schoennagel	0	0
Pat Madden	1	0.1
Alexander Adams Jr.	0	0
Erhard Koehler	1	0.1
John C. Wiegand	0	0
James P. Bruff	0	0