GPU NUCLEAR

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September 17, 2003
E910-03-035

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Gentlemen,

Subject: Saxton Nuclear Experimental Corporation (SNEC)
Operating License No., DPR-4
Docket No. 50-146
FSS Report for CV Interior, 774' Elev and Below, Revision 1, Erratum

The purpose of this letter is to inform you of an erratum in our FSS Report for the CV Interior, 774' Elev and Below, Revision 1, which was sent to you on September 4, 2003. The erratum consisted of an incorrect mathematical sign notation on page 18, paragraph 3.4.1.5, 4th sentence. The corrected text should denote the less than sign and read "<400 NCPM". The corrected page is attached.

If you have any questions on this information, please contact Mr. Art Paynter at (814) 635-4384.

Sincerely,

G. A. Kuehn
Program Director, SNEC

cc: NRC Project Manager
NRC Project Scientist, Region 1
Mr. Tim Bauer, ORISE Project Leader

Attachment: Corrected page 18 to the Final Status Survey Report for Saxton Nuclear Experimental Corporation, CV Interior, 774' El. And Below, Revision 1

A020

Rec'd 12/19/05
at DCD
for processing.

3.4.1.4 Loose Surface Contamination (Smear Survey)

Three smears were taken as part of a post remediation survey. Since no elevated activity was detected during scan and static survey measurements additional smears were not warranted. Results from these smears indicated <1K dpm/100 cm^2 beta-gamma and <MDC 12.7 dpm/100 cm^2 alpha. Also see section 3.6 for smear results.

3.4.1.5 Quality Control (QC) Measurements and Comparisons

Scan measurements were performed on approximately 14 m^2 or 11.25% of the total surface area. Measurement results were <200 NCPM. Static measurements were obtained for points 1, 14 and 17. Measurement results were <400 NCPM. This percentage, 3 of 18, (16.7%), meets the 5% requirement.

3.5 Survey Unit CV3-3, "2 A-Plates"

This survey unit is divided into two semi-circular steel plates (A1, A2) that form the bottom of the CV shell for a total surface area of 21.1 m^2. The following radiological surveys were conducted in accordance with the survey design documented as SNEC Calculation No.E900-03-003 (See Appendix A). In the original design this area was sized as 26.3 m^2. This value was later corrected (21.1 m^2) prior to performing the final survey.

The scan speed was set at 2.2 cm/second (1 detector width per 4 seconds). The effective DCGLw for this measurement plan is taken to be **2100 dpm/100 cm^2**. A net fixed point measurement result of about 400 cpm yields ~2100 dpm/100 cm^2 (the $DCGL_w$) for a 1 minute count time.

No WRS statistical analysis is necessary for this survey unit since all static measurements are below the assigned $DCGL_w$ (400 net cpm per 100 cm^2 or 2100 dpm/100 cm^2).

A gas flow proportional counter (GFPC) was used in the beta detection mode as the survey instrument (a Ludlum 2350-1 with a 43-68B probe).

Surface Scan Measurements for Beta/Gamma Activity – A 100% surface scan was performed on the survey unit (area 21.1 m^2).

Static Measurements for Beta/Gamma Activity – 9 static measurement pairs, (shielded and unshielded) were surveyed. In addition, 6 general area static gamma measurements, using a Micro-Rem Meter spaced throughout the survey unit, were taken at a height of approximately 3 feet above the surface.

A minimum of 5% of all static and surface scan measurements were re-performed using identical methodology to satisfy QC requirements.

3.5.1 Summary of Plate (A1 & A2) Measurement Results

3.5.1.1 Surface Scan Measurements

After establishing Average Background Count Rate (ABCR) values for the plates, a 100% surface scan was performed on the plates. The action level was 200 NCPM. All areas indicated levels below the action level.