



FAX COVER

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Send To:

Name: Jenny Johansen Date: 06/18/2010

Company: NRC

Address: _____

Phone: 610-337-5071

Fax Number: 610-337-5269

Verification Number: 610-337-5071

03032925

Number of pages (including cover): 2

Subject: Requested information regarding ML 41-25219-01 - Control No. 144719

From: Tennessee Valley Authority

Name: Kevin Casey

Organization: Nuclear Power Group, Corporate Licensing

Address: _____

Phone: 423-751-8523

Fax Number: 423-751-4478

Verification Number: 423-751-4876

Comments:

Request item 8.B to state: not to exceed 3 curies and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

Sent By: _____ Time Sent: _____ Date Sent: _____

Important! If you do not receive all pages, call us back immediately.

144719

RADIOACTIVITY COUNTING RECORD SHEET FOR SMEARS

Date Counted: 12 Feb 10

Inst. Eff. Bkg LLD
 Isotope No. (%) (cpm) (dpm)
¹³⁷Cs 141

Sampling Information
 Survey No. RS 10-080
 Survey Date: 02/11/2010
 Submitted By: John Young
 Analysis: Count for Cs-137
 Location: Cumberland

LLD = $2.71 + 4.66 \cdot \sqrt{\text{SORT}(\text{BKG}(\text{CPM}) \cdot \text{etime}(\text{min}))}$
 etime(min) * counting efficiency

Smear Number	Sampling Location	Total Counts	Total CPM	BKG CPM	Net CPM	Counter Efficiency	DPM
1	Nuclear Gauge Serial no. 8145GG 50 mCi	0 137 Cs Detected 02-11-10					
2	Nuclear Gauge Serial no. 8146GG 50						
3	Nuclear Gauge Serial no. 8147GG 50						
4	Nuclear Gauge Serial no. 8149GG 50						
5	Nuclear Gauge Serial no. B2295 100						
6	Nuclear Gauge Serial no. B2296 100						
7	Nuclear Gauge Serial no. B2297 100						
8	Nuclear Gauge Serial no. B2298 100						
9	Nuclear Gauge Serial no. B2299 100						
10	Nuclear Gauge Serial no. B2300 100						
11	Nuclear Gauge Serial no. B2301 100						
12	Nuclear Gauge Serial no. B2302 100						
13	Nuclear Gauge Serial no. B2303 100						
14	Nuclear Gauge Serial no. B2304 100						
15	Nuclear Gauge Serial no. B2305 100						
16	Nuclear Gauge Serial no. B2306 100						
17	Nuclear Gauge Serial no. B0363 20						
18	Nuclear Gauge serial no. B0364 20						
	Current Inventory Total/mCi 1440						

Counted by [Signature]
 Calculated by [Signature]

Checked by [Signature]