

**LUDLUM MEASUREMENTS, INC.**

501 OAK STREET  
P.O. BOX 810  
SWEETWATER, TEXAS 79556  
WEBSITE: www.ludlums.com



**DESIGNER AND  
MANUFACTURER  
OF**

*Scientific and Industrial  
Instruments*

**800-622-0828(US & CANADA) 325-235-4672(FAX) 325-235-5494 email:bhuckabee@ludlums.com**

29 January 2012

ATTN: Document Control Desk/Exempt distribution  
Director  
Office of Federal and State Materials and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: Material Transfer Summary as required by 10 CFR 32.20(b)  
Purpose: Materials transferred for use under 10 CFR 30.18 (License 42-21454-01E)

Summary - transferred from 01 January 2012 through 31 December 2012

All below sources transferred were sealed sources

Americium <sup>241</sup>	Barium <sup>133</sup>	Carbon <sup>14</sup>	Cesium <sup>137</sup>	Iodine <sup>129</sup>
Units/Amount	Units/Amount	Units/Amount	Units/Amount	Units/Amount
2/0.380 µCi	5/5 µCi	1/0.007 µCi	2572/6.664 mCi	1/0.069 µCi

Iron <sup>55</sup>	Strontium/Y <sup>90</sup>	Technetium <sup>99</sup>	Thorium <sup>230</sup>
Units/Amount	Units/Amount	Units/Amount	Units/Amount
1/0.1060 µCi	3/0.0019 µCi	25/0.229 µCi	1/0.008 µCi

The below source transferred was in a liquid scintillation cocktail.

Carbon<sup>14</sup>  
Units/Amount  
3/0.027µCi

Regards,

*Bill Huckabee*  
Bill Huckabee, RSO

Copy to:  
U.S. NRC Region IV  
Texas Health Resources Tower  
612 E. Lamar Blvd., Suite 400  
Arlington, TX 76011-4125

RECEIVED  
U.S. NUCLEAR REGULATORY COMMISSION  
REGIONAL OFFICE  
ARLINGTON, TEXAS

*FSMED 3*