

LUDLUM MEASUREMENTS, INC.

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DESIGNER AND MANUFACTURER
 OF
*Scientific and Industrial
 Instruments*

July 1, 1999

Director of Nuclear Material Safety & Safeguards
 U. S. Nuclear Regulatory Commission
 Washington, DC 20555

SUBJECT: Material Transfer Summary Report as required by 10CFR part 32.20(b)
PURPOSE: License Renewal (License No. 42-21454-01E)

SUMMARY - TRANSFERRED AS OF JULY 1, 1999

<u>YEAR</u>	<u>ISOTOPE: Cs137 UNITS/AMOUNT</u>	<u>ISOTOPE: Sr90Y90 UNITS/AMOUNT</u>	<u>ISOTOPE: Th230 UNITS/AMOUNT</u>
1994(after July1)	892/1.478mCi	1/0.009µCi	9/0.053µCi
1995	1919/2.938mCi	45/0.068µCi	17/0.108µCi
1996	2149/3.213mCi	28/0.801µCi	40/0.373µCi
1997	2659/3.291mCi	2/0.051µCi	11/0.077µCi
1998	2338/3.165mCi	-0-	-0-
1999(as of July1)	<u>975/1.304mCi</u>	<u>-0-</u>	<u>1/0.004µCi</u>
Total:	10932/15.389mCi	76/0.929µCi	77/0.611µCi

<u>YEAR</u>	<u>ISOTOPE: Tc99 UNITS/AMOUNT</u>	<u>ISOTOPE: Co60 UNITS/AMOUNT</u>	<u>ISOTOPE: Am241 UNITS/AMOUNT</u>
1994(after July 1)	4/0.012µCi	1/0.11µCi	-0-
1995	1/0.007µCi	3/2.002µCi	4/0.004µCi
1996	-0-	-0-	3/0.003µCi
1997	2/0.014µCi	1/1.32µCi	5/0.747µCi
1998	1/0.003µCi	-0-	2/0.100µCi
1999(as of July1)	<u>1/0.002µCi</u>	<u>-0-</u>	<u>-0-</u>
Total:	9/0.019µCi	5/3.432µCi	14/0.854µCi

<u>YEAR</u>	<u>ISOTOPE: Pu239 UNITS/AMOUNT</u>	<u>ISOTOPE: Co57 UNITS/AMOUNT</u>	<u>ISOTOPE: I129 UNITS/AMOUNT</u>
1994(after July 1)	-0-	-0-	-0-
1995	18/0.010µCi	-0-	-0-
1996	-0-	-0-	-0-
1997	1/0.004µCi	2/20.8µCi	1/0.050µCi
1998	-0-	-0-	-0-
1999(as of July 1)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Total:	19/0.014µCi	2/20.8µCi	1/0.050µCi

<u>YEAR</u>	<u>ISOTOPE: Ni63 UNITS/AMOUNT</u>	<u>ISOTOPE: Ti204 UNITS/AMOUNT</u>	<u>ISOTOPE: C14 UNITS/AMOUNT</u>
1994(after July 1)	-0-	-0-	-0-
1995	-0-	-0-	-0-
1996	-0-	-0-	-0-

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<u>YEAR</u>	<u>ISOTOPE: Ni63 UNITS/AMOUNT</u>	<u>ISOTOPE: Ti204 UNITS/AMOUNT</u>	<u>ISOTOPE: C14 UNITS/AMOUNT</u>
1997	1/0.137μCi	1/0.006μCi	3/1.020μCi
1998	-0-	-0-	-0-
1999(as of July 1)	-0-	-0-	-0-
Total:	1/0.137μCi	1/0.006μCi	3/1.020μCi

Signed,

Rhonda Harris

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Ludlum Measurements, Inc.

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