

EXHIBIT 3RADIOACTIVE MATERIAL PROCESSED
AT NL-ALBANY PLANT, 1958-1982:GROSS SUMMARY OF INFORMATION
FROM NUCLEAR MATERIAL TRANSACTION REPORTS
(DOE/NRC Form 741 and Predecessor Forms)

<u>Rad. Mat.</u>	<u>Material Net Weight (Pounds)</u>				<u>Gov. as % Of Total 2/</u>
	<u>DOE-Owned Supplied 1/</u>	<u>Canadian Gov.-owned</u>	<u>Commercial (1971-1982)</u>	<u>Total</u>	
DU	5,660,914.3	0	1,300,339	6,961,252.3	81%
DU (UF4)	2,469,268.2		235,636	2,704,904.2	91
Enr. U.	100,686.1	7.7	0	100,693.8	100
Norm. U	57,358.2	336,754	0	394,112.2	100
Thorium	38,090.4	0	0	38,090.4	100
3/4 Ti Alloy	<u>1,813</u>	<u>0</u>	<u>0</u>	<u>1,813</u>	<u>100</u>
Subtotals	8,328,130.2	336,761.7	1,535,975	10,200,866.9	
Commercial ^{3/} (1958-1971)	<u> </u>	<u> </u>	<u>1,067,788</u>	<u>1,067,788</u>	<u> </u>
TOTALS	8,328,130.2	336,761.7	2,603,763	11,268,654.9	77%

1/ Includes DOE, AEC, and ERDA.

2/ Includes both DOE and Canadian government-owned material.

3/ The Nuclear Material Transaction Reports from 1958 through February 1971 appear to be missing. The weight of commercial material for this period has been calculated from the contract files. See Exhibit 4.

DETAILED SUMMARY OF INFORMATION FROM
NUCLEAR MATERIAL TRANSACTION REPORTS
(DOE/NRC Form 741 and Predecessor Forms)

I. 1971-1981 (From Forms With Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/ Supplied 1/</u>	<u>Other Gov.-Owned</u>	<u>Commercial (Priv.-Owned)</u>	
DU	NLO	5/71- 2/80	414,273	402	-0-	414,675
DU	Rockwell Int'l.	5/79- 3/80	539	-0-	-0-	539
DU	Union Carbide Paducah	9/70- 10/81	4,048,445	-0-	-0-	4,048,445
DU	Union Carbide Y-12 Plant	11/77- 2/79	392,569	-0-	-0-	392,569
DU	Union Carbide Paducah (Mat.Exch.)		300,000 <u>2/</u>	-0-	-0-	300,000 <u>2/</u>
DU	Tennessee Nuclear Spec.	2/71- 2/80			1,300,339 <u>2/</u>	1,300,339 <u>2/</u>
DU (UF4)	Nuclear Fuel Serv.	6/71- 1/75	157,896 <u>3/</u>	-0-	235,636 <u>4/</u>	393,532 <u>4/</u>
3/4 Ti Alloy	Battelle Memorial Inst.	1/77- 10/79	1,400	413	-0-	1,813
	Subtotals		5,315,122.0	815.0	1,535,975.0	6,851,912.0

1/ Includes DOE, AEC, and ERDA.

2/ Of the 1,600,339 pounds of materials supplied by Tennessee Nuclear Specialties, approximately 300,000 pounds were exchanged for government furnished material. As a result, Union Carbide (Paducah) is holding an equivalent amount of material for NL's account.

3/ Classified as DOE-owned based on AEC/ERDA Project No. information on report form.

4/ Includes estimates for three missing transfer reports at 26,182 pounds per transfer.

DETAILED SUMMARY OF INFORMATION FROM
NUCLEAR MATERIAL TRANSACTION REPORTS
(DOE/NRC Form 741 and Predecessor Forms)

II. 1958-1971 (From Forms Without Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/ Supplied 4A/</u>	<u>Canadian Gov.-Owned</u>	<u>Commerical (Priv.-Owned)</u>	
Norm. U.	Atomics Int'l	11/64	229.5	-0-	-0-	229.5
Norm. U.	AEC	3/59	1.8	-0-	-0-	1.8
Norm. U.	NLO	4/59- 6/66	49,200	-0-	-0-	49,200
Norm. U.	Mallinck- rodt Chem.	8/63	7,016	-0-	-0-	7,016
Norm. U.	GE Schen- ectady	6/60	621.7	-0-	-0-	621.7
Norm. U.	Westing- house- Bettis	11/63- 6/64	289.2	-0-	-0-	289.2
Norm. U.	Westing- house Canada	3/71- 6/71	-0-	90,073	-0-	90,073
Norm. U.	Eldorado Mining & Rfg. Ltd.	4/60- 5/60	-0-	109,765	-0-	109,765
Norm. U.	Eldorado Mining & Rfg.	3/61- 4/61	-0-	136,916	-0-	136,916
Enr. U.	United Nuclear	1/63- 1/64	1,105.6	-0-	-0-	1,105.6

4A/ Owner codes do not appear on the older transaction report forms. It is assumed that in this period most government-owned material was AEC-owned.

1958-1971 (From Forms Without Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/ Supplied</u>	<u>Canadian Gov.-Owned</u>	<u>Commerical (Priv.-Owned)</u>	
Enr. U.	United Nuclear (Canadian)	6/71	-0-	7.7	-0-	7.7
Enr. U.	Gulf United Nuclear	9/71	43.2	-0-	-0-	43.2
Enr. U.	United Nuclear Hematite	5/63-10/63	3.32	-0-	-0-	3.32
Enr. U.	Metals & Controls	9/63	.004	-0-	-0-	.004
Enr. U.	Atomics Int'l	6/61	415.6	-0-	-0-	415.6
Enr. U.	GE (San Jose, CA)	12/62	388.6	-0-	-0-	388.6
Enr. U.	Advanced Tech Lab	12/62	22	-0-	-0-	22
Enr. U.	Argonne Nat'l Lab	10/59-6/64	1,194.3 <u>5/</u>	-0-	-0-	1,194.3 <u>5/</u>
Enr. U.	Nuclear Fuel Serv.	1/64-4/65	3,514 <u>6/</u>	-0-	-0-	3,514 <u>6/</u>
Enr. U.	New Brunswick Lab.	3/63	1	-0-	-0-	1
Enr. U.	AEC	11/63-12/71	.5	-0-	-0-	.5
Enr. U.	NLO	9/62-2/63	24,427.9	-0-	-0-	24,427.9
Enr. U.	GE Schenectady	9/67-1/68	11.3	-0-	-0-	11.3

5/ Includes estimates for three missing transfers, one at 3.2 pounds, the others at 168 pounds per transfer.

6/ Includes estimates for three missing transfers at 301 pounds per transfer.

1958-1971 (From Forms Without Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/ Supplied</u>	<u>Canadian Gov.-Owned</u>	<u>Commerical (Priv.-Owned)</u>	
Enr. U.	W.R.Grace	10/60 & 12/62	69,200.5	-0-	-0-	69,200.5
Enr. U.	Nuclear Metals	12/61	358.2	-0-	-0-	358.2
Enr. U.	United Nuclear	2/64	.1	-0-	-0-	.1
DU	Westing-house-Bettis	5/68-4-70	121.9	-0-	-0-	121.9
DU	Atomics Int'l	2/61-3/61	14.9	-0-	-0-	14.9
DU	Bridgeport Brass	11/63	959	-0-	-0-	959
DU	Minnesota Mining	8/66	241.8	-0-	-0-	241.8
DU	Argonne Nat'l Lab	3/59-10/73	65,346.6 <u>7/</u>	-0-	-0-	65,346.6 <u>7/</u>
DU	NLO	7/59	1,129	-0-	-0-	1129
DU	Mallinckrodt Chem.	7/59-2/62	117,242.5	-0-	-0-	117,242.5
DU	Lake City Arsenal	10/61	400	-0-	-0-	400
DU	Watertown Arsenal	5/59-3/60	5,486.2 <u>8/</u>	-0-	-0-	5,486.2 <u>8/</u>
DU	W.R.Grace	11/63	44,994.6 <u>9/</u>	-0-	-0-	44,994.6 <u>9/</u>

7/ Includes estimates for four missing transfers at 1,624.6 pounds per transfer.

8/ Includes estimate for one missing transfer at 1,120.0 pounds.

9/ Includes estimate for one missing transfer at 22,497.3 pounds.

1958-1971 (From Forms Without Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/ Supplied</u>	<u>Canadian Gov.-Owned</u>	<u>Commerical (Priv.-Owned)</u>	
DU	Nuclear Fuel Serv.	1/64	16,303.8 <u>10/</u>	-0-	-0-	16,303.8 <u>10/</u>
DU	Kerr-McGee	12/63	9,989	-0-	-0-	9,989
DU	Union Carbide	5/66	65,924 <u>11/</u>	-0-	-0-	65,924 <u>11/</u>
DU	United Nuclear	1/63	7	-0-	-0-	7
DU	Union Carbide Paducah	3/62-8/66	158,768 <u>12/</u>	-0-	-0-	158,768 <u>12/</u>
DU	GE (KAPL)	8/66	1,669	-0-	-0-	1,669
DU	Davidson Chemical	5/60	16,089	-0-	-0-	16,089
DU UF4	Union Carbide	2/67-12/74	769,647 <u>13/</u>	-0-	-0-	769,647 <u>13/</u>
DU UF4	Union Carbide Paducah	10/62-3/67	57,642	-0-	-0-	57,642
DU UF4	Union Carbide Nuclear	10/63-5/70	1,484,083.2 <u>14/</u>	-0-	-0-	1,484,083.2 <u>14/</u>
Thorium	Bridgeport Brass	7/62	380	-0-	-0-	380

10/ Includes estimates for two missing transfers at 5,434.6 pounds per transfer.

11/ Includes estimate for one missing transfer at 32,962.0 pounds.

12/ Includes estimate for one missing transfer at 24,859.0 pounds.

13/ Includes estimates for five missing transfers at 23,100 pounds per transfer.

14/ Includes estimates for twelve missing transfers at 32,658.43 pounds per transfer.

1958-1971 (From Forms Without Owner Codes)

<u>Rad. Mat.</u>	<u>Received From</u>	<u>Dates</u>	<u>Material Net Weight (Pounds)</u>			<u>Total</u>
			<u>DOE-Owned/Supplied</u>	<u>Canadian Gov.-Owned</u>	<u>Commerical (Priv.-Owned)</u>	
Thorium	Union Carbide Y-12 Plant	10/61- 5/62	1,942.2	-0-	-0-	1,942.2
Thorium	NLO	8/59- 10/59	9,527	-0-	-0-	9,527
Thorium	Laurence Radiation	6/62	114.6	-0-	-0-	114.6
Thorium	Ledoux	5/62	.2	-0-	-0-	.2
Thorium	Nuclear Metals	7/62	560	-0-	-0-	560
Thorium	Vitro Chemical	10/61- 7/62	25,566.4	-0-	-0-	25,566.4
	Subtotals		3,012,193.2	336,761.7	-0-	3,348,954.9
	Subtotals From p. 1		5,315,937.0 ^{15/}	-0-	1,535,975.0	6,851,912.0
	Commercial (1958-1971) ^{16/}				<u>1,067,788.0</u>	<u>1,067,788.0</u>
	TOTALS		8,328,130.2	336,761.7	1,535,975.0	11,268,654.9

^{15/} Total of "DOE-Owned/Supplied" and "Other Gov.-Owned" subtotals from page 1.

^{16/} The Nuclear Material Transaction Reports from 1958 through February 1971 appear to be missing. The weight of commercial material for this period has been calculated from the contract files. See Exhibit 4.