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RICHLAND, WASHINGTON

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January 24, 1966

TITLE

DOUGLAS UNITED NUCLEAR, INC.
PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DECEMBER 31, 1965 & FY TO DATE

AUTHOR

J. J. Bombino

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

AFTER FILL-IN

NARRATIVE COMMENTS

MONTH ENDING - December 31, 1965

DOUGLAS UNITED NUCLEAR, INC.REACTOR STATISTICS FOR THE MONTH OF NOVEMBER:

<u>Reactors</u>	<u>Power Level</u>	<u>Efficiency</u>	<u>Tubes Replaced</u>	<u>Ruptures</u>
B	1 974	86.4		
C	2 151	63.9	3	3
D	2 004	93.9	2	
KE	4 371	82.4		1
KW	4 358	74.5	1	1
Composite	<u>14 858</u>	<u>80.2</u>	<u>6</u>	<u>5</u>

Production Fuels Equivalent Production for Normal and Enriched Uranium increased 98.7 tons or 28.2%. Thorium decreased 1.5 tons or 6.5%. Reactor Grams Increased 70.0 Kg's or 27.3%, and MWD's increased 64.5 Kg's or 21.4% from November. The increase in Production Fuels is mainly due to processing more Normal Uranium, resulting in the same number of pieces as processed in November. Reactor Equivalent Production increase is due to higher power levels and increased efficiency over November. The average exposure for Material Discharged in December was 721 MWD's for Regular Depleted and 935 MWD's for Enriched Uranium, which was an increase from November.

CONVERSION & DEPRECIATION FISCAL YEAR TO DATE*

* Beginning Inventory figures are Onsite Receipts from General Electric Company as of November 1, 1965.

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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RECONCILIATION OF CONSOLIDATED
INVENTORIES

AFTER FILL-IN

MONTH ENDING - December 31, 1965

	<u>TOTAL COST</u>
Ledger Balance 12-1-65	\$ 267 792 664
<u>Receipts Put Into Process</u>	
Offsite - Booked	13 786 228
Offsite - Unbooked	
Onsite - Booked	477 402
Onsite - Unbooked	
Transportation & Security Shipment Cost	2 200
November Receipts Booked In December	27
November Shipments Booked In December	(3 712)
Conversion	3 368 061
Depreciation	1 205 415
<u>Removals From Process</u>	
Offsite - Booked	(484 306)
Offsite - Unbooked	(95 120)
Onsite - Booked	(19 787 841)
Onsite - Unbooked	
Transportation & Security Shipment Cost	(2 200)
Material Consumed In Research - November	(6 258)
Material Consumed In Research - Unbooked	(6 858)
Receipts In Transit - November	(3 698 484)
NP Billings Sent	
Isotope Inventory	(2 699)
Nuclear Material Revaluation	
<u>Total WIP & R&D Inventories 12-31-65</u>	<u>\$ 262 544 519</u>
Receipts In Transit - December	3 140 172
Material Consumed In Research - Unbooked - December	6 858
Nuclear Material Revaluation - Booked	
Shipments Unbooked - December	95 120
<u>Ledger Balance 12-31-65</u>	<u>\$ 265 786 669</u>

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DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING - December 31, 1965

CONSOLIDATED INVENTORIES

WITH DELETIONS

	QUANTITIES		
	POUNDS	GRAMS	TOTAL COST
<u>PRODUCTION FUELS</u>			
<u>NORMAL URANIUM</u>			
RAW AND IN PROCESS	2 499 077		29 813 294
FINISHED PRODUCT	1 240 776		15 608 962
TOTAL	3 739 853		45 422 256
<u>ENRICHED URANIUM</u>			
RAW AND IN PROCESS	1 152 666		22 766 748
FINISHED PRODUCT	24 449		499 843
TOTAL	1 177 115		23 266 591
<u>DEPLETED URANIUM</u>			
RAW AND IN PROCESS	578		2 857
FINISHED PRODUCT			
TOTAL	578		2 857
<u>THORIUM</u>			
RAW AND IN PROCESS	58 148		927 047
FINISHED PRODUCT	30		511
TOTAL	58 178		927 558
<u>ENRICHED LITHIUM⁶</u>			
RAW AND IN PROCESS		56 915	
FINISHED PRODUCT		36 714	
TOTAL		93 629	
<u>UNIRRADIATED SCRAP</u>			
NORMAL URANIUM	61 854		-7 246
ENRICHED URANIUM	11 071		201 714
DEPLETED URANIUM			-0-
THORIUM	3 908		2 223
ENRICHED U - MORE THAN 75%		247	
ENRICHED LITHIUM ⁶			
<u>REACTOR</u>			
<u>FEED MATERIAL</u>			
NORMAL URANIUM	865 990		10 868 189
ENRICHED URANIUM	360 088		7 385 930
SPECIAL DEPLETED URANIUM			
ENRICHED LITHIUM ⁶			
THORIUM	39 475		665 280

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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AFTER FILL-IN

MONTH ENDING - December 31, 1965

CONSOLIDATED INVENTORIES (CONT'D)

REACTOR CONSOLIDATION
DEPLETED URANIUM
ENRICHED URANIUM
TOTAL

B
C
D
KE
KW

COOLING BASIN

DEPLETED URANIUM
ENRICHED URANIUM
SPECIAL DEPLETED URANIUM
ENRICHED LITHIUM⁶ and
Tritium
Thorium and U-233
REACTORS

SPECIAL DEPLETED URANIUM AND

PLUTONIUM - 240
ENRICHED LITHIUM⁶ AND
TRITIUM

THORIUM AND
U-233

OTHER

ENRICHED U - MORE THAN 75%
SPECIAL IRRADIATIONS

POLONIUM

TOTAL PRODUCTION

NON-PRODUCTION INVENTORIES - R & D

NORMAL URANIUM
ENRICHED U-LESS THAN 75% & NON-SEP. PU
DEPLETED U
ENRICHED U - MORE THAN 75%
SPECIAL DEPLETED U & NON-SEP. PU

TOTAL R & D

TOTAL INVENTORIES

POUNDS.

1 323 945
1 463 079
2 55 024

416 109
404 617
413 053
776 878
776 367

3 209 629
2 347 400
65 464

266 087

559

132 868

4
17
331

15 127 493

QUANTITIES

GRAMS.

198 308
259 081
457 380

65 478
36 030
68 952
164 592
122 339

952 861
771 082
55 997
750
169 893

717

65 424

16 270

14
119

2 584 396

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TOTAL COST

6 265 000

19 912

5 012 195

7 827
7 819

262 539 726

262 544 519

4 793

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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RECONCILIATION OF ENDING INVENTORIES
TO NUCLEAR MATERIALS COMPOSITION OF
ENDING INVENTORY REPORT

MONTH ENDING - December 31, 1965

	POUNDS
<u>NORMAL URANIUM</u>	
Production Inventory & Manufacturing Statement	4 667 701
Composition of Ending Inventories (to AEC)	4 667 702
Rounding Variance	(1)
<u>ENRICHED URANIUM - LESS THAN 75%</u>	
Production Inventory & Manufacturing Statement	5 358 770
Composition of Ending Inventories (to AEC)	5 358 770
Rounding Variance	-0-
<u>DEPLETED URANIUM</u>	
Production Inventory & Manufacturing Statement	4 600 506
Composition of Ending Inventories (to AEC)	4 600 508
Rounding Variance	(2)
<u>THORIUM</u>	
Production Inventory & Manufacturing Statement	500 516
Composition of Ending Inventories (to AEC)	500 518
Rounding Variance	(2)
	GRAMS
<u>PLUTONIUM</u>	
Production Inventory & Manufacturing Statement	2 238 060
Composition of Ending Inventories (to AEC)	2 238 061
Rounding Variance	(1)
<u>ENRICHED LITHIUM⁶</u>	
Production Inventory & Manufacturing Statement	94 979
Composition of Ending Inventories (to AEC)	94 980
Rounding Variance	(1)
<u>ENRICHED URANIUM - MORE THAN 75%</u>	
Production Inventory & Manufacturing Statement	16 636
Composition of Ending Inventories (to AEC)	16 636
Rounding Variance	-0-
<u>TRITIUM</u>	
Production Inventory & Manufacturing Statement	4
Composition of Ending Inventories (to AEC)	4
Rounding Variance	-0-
<u>URANIUM - 233</u>	
Production Inventory & Manufacturing Statement	235 317
Composition of Ending Inventories (to AEC)	235 317
Rounding Variance	-0-

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DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING-- December 31, 1965

PRODUCTION FUELS
NORMAL URANIUM

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS
RAW AND IN PROCESS						
INVENTORY						
URANIUM	34 756 941		11.91	31 258 441		11.89
CONVERSION	20 314		.01	109 405		.04
DEPRECIATION	2 059		-0-	12 395		.01
TOTAL 12-1-65	34 779 314	2 918 299	11.92	31 380 241	2 628 969	11.94
RECEIPTS						
OFFSITE	2 525 734	212 344	11.89	7 812 920	656 337	11.90
REACTOR Feed	231 912	19 472	11.91	249 944	20 986	11.91
Enriched Uranium	40	2	19.69	296	15	19.73
ONSITE	9 562	810	11.89	17 269	1 461	11.82
R&D						
PRODUCTION FUELS COST						
CONVERSION	405 150		.58	411 652		.58
DEPRECIATION	40 677		.06	41 336		.06
REMOVALS						
SCRAP AND SLUDGES @ \$10.61 - \$8.81	7 936	748	(.01)	35 802	4 064	(.02)
DEFECTIVE & INACTIVE FUEL ELEMENTS	18 234	1 528	11.93	19 482	1 645	11.89
OFFSITE						
N-REACTOR						
REACTORS						
ONSITE	12 120	1 019	11.89	74 481	6 264	11.89
R&D						
PROCESS LOSSES & ADJUSTMENTS		959	(.02)		602	(.01)
TOTAL RAW AND IN PROCESS	37 954 099	3 146 673	12.06	39 783 893	3 295 193	12.07
INVENTORY						
URANIUM	29 764 007		11.91	29 764 007		11.91
CONVERSION	44 788		.02	44 788		.02
DEPRECIATION	4 499		-0-	4 499		-0-
TOTAL 12-31-65	29 813 294	2 499 077	11.93	29 813 294	2 499 077	11.93
TOTAL FINISHED PRODUCTION	8 140 805	647 596	12.58	9 970 599	796 116	12.52
FINISHED PRODUCT						
INVENTORY 12-1-65	16 097 551	1 279 401	12.58	16 984 743	1 346 809	12.61
FINISHED PRODUCTION	8 140 805	647 596	12.58	9 970 599	796 116	12.52
RECEIPTS						
R&D						
TOTAL	24 238 356	1 926 997	12.58	26 955 342	2 142 925	12.58
REMOVALS						
REACTOR Feed	8 629 394	686 221	12.58	11 346 380	902 149	12.58
R&D						
PROCESS LOSSES & ADJUSTMENTS						
INVENTORY 12-31-65	15 608 962	1 240 776	12.58	15 608 962	1 240 776	12.58
EQUIVALENT PRODUCTION		700 427			708 302	

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DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING- December 31, 1965

PRODUCTION FUELS
ENRICHED URANIUM

	CURRENT MONTH			FISCAL YEAR TO DATE		
	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS
RAW AND IN PROCESS						
INVENTORY						
URANIUM	16 472 674		19.69	11 869 307		19.65
CONVERSION	67 815		.08	129 179		.21
DEPRECIATION	7 971		.01	14 607		.03
TOTAL 12-1-65	16 548 460	836 601	19.78	12 013 093	604 036	19.89
RECEIPTS						
OFFSITE	10 509 691	533 861	19.69	29 371 450	1 491 634	19.69
REACTOR Feed	45 582	2 315	19.69	45 582	2 315	19.69
ONSITE	990	49	20.41	2 337	114	20.50
R&D						
PRODUCTION FUELS COST						
CONVERSION	159 184		.81	628 901		.71
DEPRECIATION	15 750		.08	70 963		.08
REMOVALS						
SCRAP AND SLUDGES @ \$14.36 - \$14.28	89 083	6 203	(.17)	157 935	11 061	(.07)
DEFECTIVE & INACTIVE FUEL ELEMENTS	9 110	465	19.65	36 468	1 849	19.72
OFFSITE						
N-REACTOR						
Normal Uranium	40	2	19.69	296	15	
REACTORS - Basin				1 063	54	19.69
ONSITE	5 447	269	20.25	6 624	329	20.13
R&D						
PROCESS LOSSES & ADJUSTMENTS		(3 082)	.31		(3 711)	.08
TOTAL RAW AND IN PROCESS	27 175 977	1 368 969	19.85	41 929 940	2 088 502	20.08
INVENTORY						
URANIUM	22 695 994		19.69	22 695 994		19.69
CONVERSION	64 382		.05	64 382		.08
DEPRECIATION	6 372		.01	6 372		.01
TOTAL 12-31-65	22 766 748	1 152 666	19.75	22 766 748	1 152 666	19.78
TOTAL FINISHED PRODUCTION	4 409 229	216 303	20.38	19 163 192	935 836	20.48
FINISHED PRODUCT						
INVENTORY 12-1-65	6 004 851	293 084	20.49	2 249 938	110 389	20.38
FINISHED PRODUCTION	4 409 229	216 303	20.38	19 163 192	935 836	20.48
RECEIPTS						
R&D						
TOTAL	10 414 080	509 387	20.48	21 413 130	1 046 225	20.47
REMOVALS						
REACTOR Feed	9 914 237	484 938	20.44	20 913 287	1 021 776	20.47
R&D						
PROCESS LOSSES & ADJUSTMENTS						
INVENTORY 12-31-65	499 843	24 449	20.44	499 843	24 449	20.44
EQUIVALENT PRODUCTION		195 697			886 632	

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING-- December 31, 1965

PRODUCTION FUELS
DEPLETED URANIUM

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS	PRODUCTION COSTS	Pounds Uranium	UNIT COSTS
<u>RAW AND IN PROCESS</u>						
INVENTORY						
URANIUM	2 549		4.41	2 549		4.41
CONVERSION	267		.46	267		.46
DEPRECIATION	41		.07	41		.07
TOTAL 12-1-65	2 857	578	4.94	2 857	578	4.94
<u>RECEIPTS</u>						
OFFSITE						
REACTORS						
ONSITE						
R&D						
<u>PRODUCTION FUELS COST</u>						
CONVERSION						
DEPRECIATION						
<u>REMOVALS</u>						
SCRAP AND SLUDGES						
DEFECTIVE & INACTIVE FUEL ELEMENTS						
OFFSITE						
N-REACTOR						
REACTORS						
ONSITE						
R&D						
PROCESS LOSSES & ADJUSTMENTS						
TOTAL RAW AND IN PROCESS	2 857	578	4.94	2 857	578	4.94
INVENTORY						
URANIUM	2 549		4.41	2 549		4.41
CONVERSION	267		.46	267		.46
DEPRECIATION	41		.07	41		.07
TOTAL 12-31-65	2 857	578	4.94	2 857	578	4.94
TOTAL FINISHED PRODUCTION	-0-	-0-		-0-	-0-	
<u>FINISHED PRODUCT</u>						
INVENTORY 12-1-65	-0-	-0-		-0-	-0-	
FINISHED PRODUCTION						
<u>RECEIPTS</u>						
R&D						
TOTAL						
<u>REMOVALS</u>						
REACTORS						
R&D						
PROCESS LOSSES & ADJUSTMENTS						
INVENTORY 12-31-65	-0-	-0-		-0-	-0-	

EQUIVALENT PRODUCTION

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING- December 31, 1965

PRODUCTION FUELS
THORIUM

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COSTS	Pounds Thorium	UNIT COSTS	PRODUCTION COSTS	Pounds Thorium	UNIT COSTS
RAW AND IN PROCESS						
INVENTORY						
URANIUM	734 657		15.29	878 740		14.76
CONVERSION	10 512		.22	12 914		.22
DEPRECIATION	1 347		.03	845		.01
TOTAL 12-1-65	746 516	48 052	15.54	892 499	59 530	14.99
RECEIPTS						
OFFSITE	743 924	47 256	15.74	1 234 513	77 290	15.97
REACTORS						
ONSITE						
R&D						
PRODUCTION FUELS COST						
CONVERSION	56 132		1.31	102 645		1.15
DEPRECIATION	5 405		.13	11 365		.13
REMOVALS						
SCRAP AND SLUDGES	-0-	29		-0-	67	
DEFECTIVE & INACTIVE FUEL ELEMENTS						
OFFSITE						
N-REACTOR						
REACTORS						
ONSITE	11 491	693	16.58	11 512	695	16.56
R&D						
PROCESS LOSSES & ADJUSTMENTS		455	(.16)		576	
TOTAL RAW AND IN PROCESS	1 540 486	94 131	15.94	2 229 510	135 482	
INVENTORY						
URANIUM	902 091		15.51	902 091		15.51
CONVERSION	22 764		.39	22 764		.39
DEPRECIATION	2 192		.04	2 192		.04
TOTAL 12-31-65	927 047	58 148	15.94	927 047	58 148	15.94
TOTAL FINISHED PRODUCTION	613 439	35 983	17.04	1 302 463	77 334	16.84
FINISHED PRODUCT						
INVENTORY 12-1-65	11 974	722	16.58	219 992	13 462	16.34
FINISHED PRODUCTION	613 439	35 983	17.04	1 302 463	77 334	16.84
RECEIPTS						
R&D						
TOTAL	625 413	36 705	17.04	1 522 455	90 796	16.77
REMOVALS						
REACTOR Feed	624 902	36 675	17.04	1 521 944	90 766	16.77
R&D						
PROCESS LOSSES & ADJUSTMENTS						
INVENTORY 12-31-65	511	30	17.04	511	30	17.04
EQUIVALENT PRODUCTION		43 005			88 982	

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING- December 31, 1965

PRODUCTION FUELS
ENRICHED LITHIUM⁶

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COSTS	Grams Lithium ⁶	UNIT COSTS	PRODUCTION COSTS	Grams Lithium ⁶	UNIT COSTS
<u>RAW AND IN PROCESS</u>						
INVENTORY						
URANIUM						
CONVERSION						
DEPRECIATION						
TOTAL 12-1-65		56 915	-		56 915	-
<u>RECEIPTS</u>						
OFFSITE						
REACTORS						
ONSITE						
R&D						
<u>PRODUCTION FUELS COST</u>						
CONVERSION						
DEPRECIATION						
<u>REMOVALS</u>						
SCRAP AND SLUDGES						
DEFECTIVE & INACTIVE FUEL ELEMENTS						
OFFSITE						
N-REACTOR						
REACTORS						
ONSITE						
R&D						
PROCESS LOSSES & ADJUSTMENTS						
TOTAL RAW AND IN PROCESS		56 915			56 915	
INVENTORY						
URANIUM						
CONVERSION						
DEPRECIATION						
TOTAL 12-31-65		56 915			56 915	
TOTAL FINISHED PRODUCTION		-0-			-0-	
<u>FINISHED PRODUCT</u>						
INVENTORY 12-1-65		36 714			36 714	
FINISHED PRODUCTION						
<u>RECEIPTS</u>						
R&D						
TOTAL		36 714			36 714	
<u>REMOVALS</u>						
REACTORS						
R&D						
PROCESS LOSSES & ADJUSTMENTS						
INVENTORY 12-31-65		36 714			36 714	
EQUIVALENT PRODUCTION						

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

AFTER FILL-IN

PRODUCTION FUELS

MONTH ENDING - December 31, 1965

UNIRRADIATED SCRAP - NORMAL URANIUM

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COST	Pounds Uranium	UNIT COST	PRODUCTION COST	Pounds Uranium	UNIT COST
INVENTORY						
URANIUM METAL SCRAP	16 850	1 529	11.02	322 269	29 244	11.02
DEFECTIVE AND INACTIVE FUEL ELEMENTS	673 295	56 627	11.89	691 142	58 128	11.89
SLUDGES - C-6 & FPC	12 997	1 422	9.14	8 939	978	9.14
TOTAL <u>12-1-65</u>	<u>703 142</u>	<u>59 578</u>		<u>1 022 350</u>	<u>88 350</u>	
RECEIPTS						
URANIUM METAL SCRAP	6 446	585	11.02	4 015	585	11.02
DEFECTIVE & INACTIVE FUEL ELEMENTS	18 234	1 528	11.89	19 482	1 645	11.89
SLUDGES - C-6 & FPC	1 490	163	9.14	31 787	3 479	9.14
ONSITE						
URANIUM METAL SCRAP						
DEFECTIVE & INACTIVE FUEL ELEMENTS	451 177	38 074	11.85	451 177	38 074	11.85
SLUDGES - C-6 & FPC						
TRANSPORTATION & SECURITY SHIPMENT COST	1 100			3 300		
REMOVALS						
OFFSITE						
URANIUM METAL SCRAP				305 188	27 694	11.02
DEFECTIVE & INACTIVE FUEL ELEMENTS	452 343	38 044	11.89	471 438	39 650	19.65
SLUDGES - C-6 & FPC				26 239	2 872	9.14
ONSITE						
URANIUM METAL SCRAP						
DEFECTIVE & INACTIVE FUEL ELEMENTS						
SLUDGES - C-6 & FPC						
PROCESS LOSSES AND ADJUSTMENTS		30			63	
INVENTORY						
URANIUM METAL SCRAP	23 296	2 114	11.02	23 296	2 114	11.02
DEFECTIVE AND INACTIVE FUEL ELEMENTS	691 463	58 155	11.89	691 463	58 155	11.89
SLUDGES - C-6 & FPC	14 487	1 585	9.14	14 487	1 585	9.14
TOTAL <u>12-31-65</u>	<u>729 246</u>	<u>61 854</u>		<u>729 246</u>	<u>61 854</u>	

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

AFTER FILL-IN

MONTH ENDING - December 31, 1965

PRODUCTION FUELS

UNIRRADIATED SCRAP - ENRICHED URANIUM

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COST	Pounds Uranium	UNIT COST	PRODUCTION COST	Pounds Uranium	UNIT COST
INVENTORY						
URANIUM METAL SCRAP	118 980	6 491	18.33	88 222	4 813	18.33
DEFECTIVE AND INACTIVE FUEL ELEMENTS	80 158	4 071	19.69	52 800	2 687	19.65
SLUDGES - C-6 & FPC	16 893	1 046	16.15	10 045	622	16.15
TOTAL 12-1-65	216 031	11 608		151 067	8 122	
RECEIPTS						
URANIUM METAL SCRAP	61 564	3 529	18.33	108 497	5 310	18.33
DEFECTIVE & INACTIVE FUEL ELEMENTS	9 110	465	19.69	36 468	1 849	19.69
SLUDGES - C-6 & FPC	27 519	2 674	16.15	49 438	5 751	16.15
ONSITE						
URANIUM METAL SCRAP						
DEFECTIVE & INACTIVE FUEL ELEMENTS						
SLUDGES - C-6 & FPC	15 673	970	16.16	42 336	2 288	18.50
TRANSPORTATION & SECURITY SHIPMENT COST	1 100			2 200		
REMOVALS						
OFFSITE						
URANIUM METAL SCRAP	89 884	4 909	18.31	106 059	4 909	18.31
DEFECTIVE & INACTIVE FUEL ELEMENTS	22 499	1 145	19.65	22 499	1 145	19.65
SLUDGES - C-6 & FPC	16 900	1 046	16.15	59 734	3 698	16.15
ONSITE						
URANIUM METAL SCRAP						
DEFECTIVE & INACTIVE FUEL ELEMENTS						
SLUDGES - C-6 & FPC						
PROCESS LOSSES AND ADJUSTMENTS		1 075			2 497	
INVENTORY						
URANIUM METAL SCRAP	91 760	5 006	18.33	91 760	5 006	18.33
DEFECTIVE AND INACTIVE FUEL ELEMENTS	66 769	3 391	19.69	66 769	3 391	19.65
SLUDGES - C-6 & FPC	43 185	2 674	16.15	43 185	2 674	16.15
TOTAL 12-31-65	201 714	11 071		201 714	11 071	

MONTH ENDING - December 31, 1965

UNIRRADIATED SCRAP - THORIUM

RECEIPTS
AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING - December 31, 1965

REACTOR FEED MATERIAL

	CURRENT MONTH			FISCAL YEAR TO DATE*		
	PRODUCTION COSTS	LBS. URANIUM	UNIT COSTS	PRODUCTION COSTS	LBS. URANIUM	UNIT COSTS
NORMAL URANIUM						
INVENTORY 12-1-65	7 918 477	633 327	12.50	13 733 842	1 099 897	12.49
RECEIPTS						
ONSITE PRODUCTION FUELS REACTOR BASIN	8 629 394	686 221	12.58	11 346 380	902 149	12.58
REMOVALS						
ONSITE PRODUCTION FUELS	323 231 912	27 19 472	11.89 11.91	323 249 944	27 20 986	11.89 11.91
PROCESS LOSSES & ADJUSTMENTS SUBTOTAL	16 315 636	1 300 049	12.55	24 829 955	1 981 032	12.53
ISSUES TO REACTORS						
100-B	1 278 571	101 878	12.55	3 252 242	259 734	12.52
100-C	2 560 618	204 033	12.55	2 890 372	290 407	12.54
100-D	353 886	28 198	12.55	3 379 883	270 220	12.51
100-KE	49 635	3 955	12.55	1 933 734	154 647	12.50
100-KW	1 204 737	95 995	12.55	2 505 535	200 034	12.53
TOTAL ISSUES TO REACTORS	5 447 447	434 059	12.55	13 961 766	1 115 042	12.52
INVENTORY 12-31-65	10 868 189	865 990	12.55	10 868 189	865 990	12.55
ENRICHED URANIUM						
INVENTORY 12-1-65	7 071 365	343 092	20.61	6 746 228	324 133	20.81
RECEIPTS						
ONSITE PRODUCTION FUELS	9 914 237	484 938	20.44	4 685 20 913 287	229 1 021 776	20.46 20.47
REMOVALS						
Production Fuels				1 186	57	19.69
ONSITE PRODUCTION FUELS	242	8		242	8	20.81
PRODUCTION FUELS	45 582	2 315	19.69	45 582	2 315	19.69
PROCESS LOSSES & ADJUSTMENTS SUBTOTAL	16 939 778	825 869	20.51	27 617 190	1 343 921	20.55
ISSUES TO REACTORS						
100-B	865 379	42 190	20.51	1 459 935	71 037	20.55
100-C	1 633 656	79 646	20.51	2 249 030	109 503	20.54
100-D	396 363	19 324	20.51	994 898	48 364	20.57
100-KE	5 863 221	285 851	20.51	6 864 407	334 427	20.52
100-KW	795 229	38 770	20.51	8 662 990	420 502	20.60
TOTAL ISSUES TO WORK IN PROCESS	9 553 848	465 781	20.51	20 231 260	983 833	20.56
INVENTORY 12-31-65	7 385 930	360 088	20.51	7 385 930	360 088	20.51

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AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING- December 31, 1965

PLUTONIUM - REACTOR CONSOLIDATION

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
<u>WORK IN PROCESS</u>								
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	1 646 209		294 557		2 078 797		456 052	
- ENRICHED	1 197 030		170 004		839 989		140 972	
CONVERSION								
DEPRECIATION								
TOTAL								
12-1-65	2 843 239		464 561		2 918 726		597 024	
<u>RECEIPTS</u>								
FEED MATERIAL - NORMAL	434 059				1 115 042			
- ENRICHED	465 781				983 833			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
<u>IRRADIATION PROCESSING COST</u>			295 280				538 832	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.								
-ENRICH.	(736)				(1 633)			
	(461)				(890)			
TOTAL WORK IN PROCESS	3 741 882		759 841		5 015 078		1 135 856	
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	1 323 945		198 308		1 323 945		198 308	
- ENRICHED	1 463 079		259 081		1 463 079		259 081	
CONVERSION								
DEPRECIATION								
TOTAL								
12-31-65	2 787 024		457 389		2 787 024		457 389	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL - DEPLETED	755 587		237 050		1 868 201		567 626	
- ENRICHED	199 271		65 402		359 853		110 841	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	954 858		302 452		2 228 054		678 467	

SUMMARY:

GRAMS PU PRODUCED
AVERAGE MWD/T LEVEL
ESTIMATED U-238 CONTENT DISCHARGED ELEMENTS
GRAMS PU PER MWD PRODUCED
MWD'S PRODUCED
MWD'S DISCHARGED
GRAMS PU-240 PRODUCED
GRAMS U-238 PRODUCED
GRAMS TRITIUM PRODUCED

DEPLETED

140 801
721
631
868
162 219
272 333
86
30 074

ENRICHED

154 479
935
842
758
203 795
93 162

DEPLETED

309 882
695
533
854
362 962
649 478
202
42 314

ENRICHED

228 950
873
848
752
304 461
157 034

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AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.
DECLASSIFIED
PRODUCTION INVENTORY AND MANUFACTURING STATEMENT
WITH DELETIONS

DUN-580

MONTH ENDING- February 31, 1965

PLUTONIUM - B REACTOR

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
<u>WORK IN PROCESS</u>								
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	308 193		41 757		259 898		44 061	
- ENRICHED	107 744		21 632		131 160		27 367	
CONVERSION								
DEPRECIATION								
TOTAL								
12-1-65	415 937		63 389		391 058		71 428	
<u>RECEIPTS</u>								
FEED MATERIAL - NORMAL	101 878				259 734			
- ENRICHED	42 190				71 037			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
<u>IRRADIATION PROCESSING COST</u>			42 496				77 302	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.	(189)				(331)			
-ENRICH.	152				110			
TOTAL WORK IN PROCESS	559 974		105 885		721 608		148 730	
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	308 825		49 602		308 825		49 602	
- ENRICHED	107 284		15 874		107 284		15 874	
CONVERSION								
DEPRECIATION								
TOTAL								
12-31-65	416 109		65 476		416 109		65 476	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL - DEPLETED	101 069		26 510		210 476		56 664	
- ENRICHED	42 802		13 899		95 023		26 590	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED								
	143 865		40 409		305 499		83 254	

SUMMARY:

	DEPLETED	ENRICHED	DEPLETED	ENRICHED
GRAMS PU PRODUCED	34 355	8 141	62 205	15 097
AVERAGE MWD/T LEVEL	624	951	644	811
ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS	.641	.840	.639	.855
GRAMS PU PER MWD PRODUCED	.838	.686	.839	.684
MWD'S PRODUCED	40 983	11 871	74 177	22 053
MWD'S DISCHARGED	31 516	20 362	67 794	38 520
GRAMS PU-240 PRODUCED	18		84	
GRAMS U-233 PRODUCED	1 592		2 887	
GRAMS TRITIUM PRODUCED		-0-		

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AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DECLASSIFIED
WITH DELETIONS

MONTH ENDING- December 31, 1965

PLUTONIUM - C REACTOR

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
WORK IN PROCESS								
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	259 570		45 934		258 393		22 674	
- ENRICHED	146 982		27 957		148 279		21 739	
CONVERSION								
DEPRECIATION								
TOTAL 12-1-65	406 552		73 891		406 672		44 413	
<u>RECEIPTS</u>								
FEED MATERIAL - NORMAL	204 093				230 407			
- ENRICHED	79 646				109 503			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
<u>IRRADIATION PROCESSING COST</u>			34 413				79 464	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.	(120)				(280)			
-ENRICH.	(67)				(154)			
TOTAL WORK IN PROCESS	690 044		108 304		746 148		123 877	
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	251 283		17 388		251 283		17 388	
- ENRICHED	153 334		18 642		153 334		18 642	
CONVERSION								
DEPRECIATION								
TOTAL 12-31-65	404 617		36 030		404 617		36 030	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL - DEPLETED	212 200		51 446		237 237		58 698	
- ENRICHED	73 227		20 828		104 294		29 149	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	285 427		72 274		341 531		87 847	

SUMMARY:

	DEPLETED	ENRICHED	DEPLETED	ENRICHED
GRAMS PU PRODUCED	22 900	11 513	53 413	26 051
AVERAGE MWD/T LEVEL	560	819	573	803
ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS	.647	.854	.646	.856
GRAMS PU PER MWD PRODUCED	.869	.710	.861	.696
MWD'S PRODUCED	26 364	16 221	62 027	37 443
MWD'S DISCHARGED	59 397	29 968	67 942	41 883
GRAMS PU-240 PRODUCED	14		43	
GRAMS U-233 PRODUCED	1 324		9 102	
GRAMS TRITIUM PRODUCED		-0-		

AFTER FILL-IN

DECLASSIFIED

LOUISIANA UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

WITH DELETIONS

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MONTH ENDING- December 31, 1965

PLUTONIUM - D REACTOR

	CURRENT MONTH				FISCAL YEAR TO DATE °			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
WORK IN PROCESS								
INVENTORY								
FEED MATERIAL - DEPLETED	297 906		21 593		297 629		74 847	
- ENRICHED	115 088		17 486		115 097		21 424	
CONVERSION								
DEPRECIATION								
TOTAL 12-1-65	412 994		39 079		412 726		96 271	
RECEIPTS								
FEED MATERIAL - NORMAL	28 198				270 220			
- ENRICHED	19 324				48 364			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
IRRADIATION PROCESSING COST			47 356				65 360	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.	(195)				(270)			
-ENRICH.	154		1		131		1	
TOTAL WORK IN PROCESS	460 475		86 436		791 171		161 632	
INVENTORY								
FEED MATERIAL - DEPLETED	297 767		48 494		297 767		48 494	
- ENRICHED	115 286		20 458		115 286		20 458	
CONVERSION								
DEPRECIATION								
TOTAL 12-31-65	413 053		68 952		413 053		68 952	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
MATERIAL DISCHARGED								
FEED MATERIAL - DEPLETED	28 142		10 289		269 812		77 695	
- ENRICHED	19 280		7 195		48 306		14 985	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	47 422		17 484		318 118		92 680	

SUMMARY:

	DEPLETED	ENRICHED	DEPLETED	ENRICHED
GRAMS PU PRODUCED	37 190	10 166	51 342	14 018
AVERAGE MWD/T LEVEL	917	1 109	945	904
ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS	.611	.823	.634	.845
GRAMS PU PER MWD PRODUCED	.857	.692	.855	.682
MWD'S PRODUCED	43 408	14 913	60 020	20 553
MWD'S DISCHARGED	12 903	10 693	93 694	21 822
GRAMS PU-240 PRODUCED	-0-		-0-	
GRAMS U-233 PRODUCED	1 703		2 361	
GRAMS TRITIUM PRODUCED		-0-		-0-

AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING- December 31, 1965

PLUTONIUM - KE REACTOR

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
WORK IN PROCESS								
INVENTORY								
FEED MATERIAL - DEPLETED	545 885		147 819		592 100		154 057	
- ENRICHED	287 571		55 994		253 779		36 534	
CONVERSION								
DEPRECIATION								
TOTAL	833 456		203 813		845 879		190 591	
RECEIPTS								
FEED MATERIAL - NORMAL	3 955				154 647			
- ENRICHED	285 851				334 427			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
IRRADIATION PROCESSING COST			89 404				173 114	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.	(129)				(444)			
-ENRICH.	(362)		(1)		(504)			
TOTAL WORK IN PROCESS	1 122 771		293 216		1 334 005		363 705	
INVENTORY								
FEED MATERIAL - DEPLETED	231 370		53 427		231 370		53 427	
- ENRICHED	545 508		111 165		545 508		111 165	
CONVERSION								
DEPRECIATION								
TOTAL	776 878		164 592		776 878		164 592	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
MATERIAL DISCHARGED								
FEED MATERIAL - DEPLETED	318 341		119 325		514 933		184 271	
- ENRICHED	27 552		9 299		42 194		14 842	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	345 893		128 624		557 127		199 113	

SUMMARY:

	DEPLETED	ENRICHED	DEPLETED	ENRICHED
GRAMS PU PRODUCED	24 933	64 471	83 640	89 474
AVERAGE MWD/T LEVEL	852	913	810	956
ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS	.618	.844	.622	.839
GRAMS PU PER MWD PRODUCED	.878	.775	.841	.769
MWD'S PRODUCED	28 395	83 236	99 397	116 280
MWD'S DISCHARGED	135 536	12 577	208 649	20 169
GRAMS PU-240 PRODUCED	54		75	
GRAMS U-233 PRODUCED	13 128		17 448	
GRAMS TRITIUM PRODUCED		-0-		-0-

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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MONTH ENDING- December 31, 1965

PLUTONIUM - KW REACTOR

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
<u>WORK IN PROCESS</u>								
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	234 655		37 454		670 717		160 413	
- ENRICHED	539 645		46 935		191 674		33 908	
CONVERSION								
DEPRECIATION								
TOTAL 12-1-65	774 300		84 389		862 391		194 321	
<u>RECEIPTS</u>								
FEED MATERIAL - NORMAL	95 995				200 034			
- ENRICHED	38 770				420 502			
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE - Depleted								
- Enriched								
<u>IRRADIATION PROCESSING COST</u>			81 611				143 592	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.	(109)				(308)			
-ENRICH.	(338)				(479)		(1)	
TOTAL WORK IN PROCESS	908 618		166 000		1 482 146		337 912	
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	234 700		29 397		234 700		29 397	
- ENRICHED	541 667		92 942		541 667		92 942	
CONVERSION								
DEPRECIATION								
TOTAL 12-31-65.	776 367		122 339		776 367		122 339	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL - DEPLETED	95 841		29 480		635 743		190 298	
- ENRICHED	36 410		14 181		70 036		25 275	
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	132 251		43 661		705 779		215 573	

SUMMARY:

	DEPLETED	ENRICHED	DEPLETED	ENRICHED
GRAMS PU PRODUCED	21 423	60 188	59 282	84 310
AVERAGE MWD/T LEVEL	688	1 074	665	899
ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS	.633	.827	.636	.836
GRAMS PU PER MWD PRODUCED	.929	.776	.880	.780
MWD'S PRODUCED	23 069	77 554	67 341	108 132
MWD'S DISCHARGED	32 981	19 562	211 399	34 640
GRAMS PU-240 PRODUCED	-0-		-0-	
GRAMS U-235 PRODUCED	12 327		16 516	
GRAMS TRITIUM PRODUCED		-0-		-0-

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WITH DELETIONS

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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REACTORS - COOLING BASINS

MONTH ENDING - December 31, 1965

CURRENT MONTH					FISCAL YEAR TO DATE ^o			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
DEPLETED URANIUM								
INVENTORY <u>12-1-65</u>	3 280 062		937 816		2 633 790		765 025	-
RECEIPTS								
OFFSITE								
REACTORS	755 587		237 050		1 868 201		567 626	
PRODUCTION FUELS								
ONSITE					13		3	
REMOVALS								
PRODUCTION FUELS								
CHEMICAL PROCESSING - PUREX								
CHEMICAL PROCESSING - REDOX								
OFFSITE								
COOLING BASIN - 240								
ONSITE	826 021		222 005		1 292 375		379 793	
PROCESS LOSSES & ADJUSTMENTS ⁽¹⁾								
INVENTORY <u>12-31-65</u>	<u>3 209 629</u>		<u>952 861</u>		<u>3 209 629</u>		<u>952 861</u>	
ENRICHED URANIUM								
INVENTORY <u>12-1-65</u>	2 430 840		788 883		2 573 140		837 654	
RECEIPTS								
REACTORS	199 271		65 402		359 853		110 841	
OFFSITE								
PRODUCTION FUELS					54			
N - REACTOR FUELS					57			
ONSITE					24		8	
100-N BASIN								
R&D								
REMOVALS								
OFFSITE								
CHEMICAL PROCESSING - REDOX								
REDOX - NEPTUNIUM RECOVERY								
ONSITE	282 712		83 203		585 730		177 421	
REACTOR FUELS								
N - REACTOR FUELS								
R&D								
PROCESS LOSSES & ADJUSTMENTS ⁽¹⁾								
INVENTORY <u>12-31-65</u>	<u>2 347 400</u>		<u>771 082</u>		<u>2 347 400</u>		<u>771 082</u>	

DECLASSIFIED
WITH DELETIONS

AFTER FILL-IN

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING- December 31, 1965

PLUTONIUM - REACTORS - 240

	CURRENT MONTH				FISCAL YEAR TO DATE *			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
<u>WORK IN PROCESS</u>								
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED	559				21 140		22 293	
- ENRICHED								
CONVERSION								
DEPRECIATION								
TOTAL 12-1-65	559		645		21 140		22 293	
<u>RECEIPTS</u>								
FEED MATERIAL - NORMAL								
- ENRICHED								
NEUTRON CHARGE - SPEC. IRRAD.								
NEUTRON CHARGE								
<u>IRRADIATION PROCESSING COST</u>			86				202	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES AND ADJUSTMENTS-DEPL.					(1)			
-ENRICH.			(14)				(35)	
TOTAL WORK IN PROCESS	559		717		21 139		22 460	
<u>INVENTORY</u>								
FEED MATERIAL - DEPLETED								
- ENRICHED								
CONVERSION								
DEPRECIATION								
TOTAL 12-31-65	559		717		559		717	
NEUTRON CHARGE TO DEPLETED								
NEUTRON CHARGE FROM ENRICHED								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL - DEPLETED					20 580		21 743	
- ENRICHED								
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED	-0-		-0-		20 580		21 743	

SUMMARY:

GRAMS PU PRODUCED
 AVERAGE MWD/T LEVEL
 ESTIMATED U-235 CONTENT DISCHARGED ELEMENTS
 GRAMS PU PER MWD PRODUCED
 MWD'S PRODUCED
 MWD'S DISCHARGED
 GRAMS PU-240 PRODUCED
 GRAMS U-233 PRODUCED
 GRAMS TRITIUM PRODUCED

DEPLETED
86

1.132
76

DEPLETED
ENRICHED

202
237
.220
.762
265
24 394

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WITH DELETIONS

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DOUGLAS UNITED NUCLEAR, INC.

AFTER FILL - IN

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

REACTORS - COOLING BASINS - 240

MONTH ENDING - December 31, 1965 - FY to Date*

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS	POUNDS URANIUM	PRODUCTION COSTS	GRAMS PLUTONIUM	GRAM UNIT COSTS
SPECIAL DEPLETED URANIUM INVENTORY <u>12-1-65</u>	65 464	1 539 523	55 984	27.50	44 885	871 325	34 220	25.46
RECEIPTS								
OFFSITE								
REACTORS					20 580	668 198	21 743	30.73
PRODUCTION FUELS								
ONSITE								
REMOVALS								
PRODUCTION FUELS								
CHEMICAL PROCESSING - PUREX								
CHEMICAL PROCESSING - REDOX								
OFFSITE								
COOLING BASIN - 240								
ONSITE								
PROCESS LOSSES & ADJUSTMENTS			(13)		1		(31)	
INVENTORY <u>12-31-65</u>	<u>65 464</u>	<u>1 539 523</u>	<u>55 997</u>	<u>27.49</u>	<u>65 464</u>	<u>1 539 523</u>	<u>55 997</u>	<u>27.49</u>
URANIUM								
INVENTORY								
RECEIPTS								
REACTORS								
OFFSITE								
PRODUCTION FUELS								
N - REACTOR FUELS								
ONSITE								
100-N BASIN								
R&D								
REMOVALS								
OFFSITE								
CHEMICAL PROCESSING - REDOX								
REDOX - NEPTUNIUM RECOVERY								
ONSITE								
REACTOR FUELS								
N REACTOR FUELS								
R&D								
PROCESS LOSSES & ADJUSTMENTS								
INVENTORY								

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WITH DELETIONS

BM-5100-246 (9-65)

AEC-RL00 RICHLAND, WASH.

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WITH DELETIONS

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

REACTORS - THORIUM & U-233

MONTH ENDING - December 31, 1965

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	Pounds Thorium	PRODUCTION COSTS	GRAMS U-233	UNIT COSTS	Pounds Thorium	PRODUCTION COSTS	GRAMS U-233	UNIT COSTS
FEED MATERIAL								
INVENTORY 12-1-65	22 170	366 707		16.54	3 373	53 455		15.85
RECEIPTS								
Production Fuels	36 675	624 902		17.04	90 766	1 521 944		16.77
TOTAL	58 845	991 609		16.85	94 139	1 575 399		16.74
REMOVALS								
PROCESS LOSSES & ADJUSTMENTS								
INVENTORY 12-31-65	39 475	665 280		16.85	39 475	665 280	-0-	16.85
ISSUES TO REACTORS	19 363	326 329		16.85	54 657	910 119		16.65
REACTORS								
INVENTORY								
FEED MATERIAL		3 579 639		100.57		2 801 854		119.52
CONVERSION		272 228		7.65		176 347		7.52
DEPRECIATION		121 046		3.40		78 515		3.35
TOTAL 12-1-65	114 319	3 972 913	35 592	111.62	79 700	3 056 716	23 442	130.39
RECEIPTS								
REACTOR FEED	19 363	326 329		16.85	54 657	910 119		16.65
COOLING BASIN								
NEUTRON CHARGE		476 754				691 039		
IRRADIATION PROCESSING COST			30 074				42 314	
CONVERSION								
DEPRECIATION								
PROCESS LOSSES & ADJUSTMENTS	(65)				(92)		1	
TOTAL REACTORS	133 617		65 666		134 265		65 757	
INVENTORY								
FEED MATERIAL		4 367 457		66.76		4 367 457		66.76
CONVERSION		446 592		6.83		446 592		6.83
DEPRECIATION		198 146		3.02		198 146		3.02
TOTAL 12-31-65	132 868	5 012 195	65 424	76.61	132 868	5 012 195	65 424	76.61
MATERIAL DISCHARGED								
FEED MATERIAL		15 265		63.08		35 555		106.77
CONVERSION		1 642		6.79		2 267		6.81
DEPRECIATION		729		3.01		1 097		3.02
TOTAL DISCHARGED	749	17 636	242	72.88	1 397	38 829	333	116.60
COOLING BASINS								
INVENTORY 12-1-65	265 332	6 247 364	169 651	36.82	264 684	6 226 171	169 560	36.72
RECEIPTS								
REACTORS	749	17 636	242	72.88	1 397	38 829	333	116.60
Process Losses & Adjustments	6				6			
REMOVALS								
OFFSITE								
INVENTORY 12-31-65	266 087	6 265 000	169 893	36.88	266 087	6 265 000	169 893	36.88
Reactor MWD's Produced	29 002							
Reactor MWD's Discharged			230					
					41 292

AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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ENRICHED LITHIUM⁶ - REACTORS

MONTH ENDING - December 31, 1965

	CURRENT MONTH				FISCAL YEAR TO DATE ³			
	GRAMS Lithium ⁶	PRODUCTION COSTS	GRAMS Tritium	UNIT COSTS	GRAMS Lithium ⁶	PRODUCTION COSTS	GRAMS Tritium	UNIT COSTS
<u>FEED MATERIAL</u>								
INVENTORY <u>12-1-65</u>	-0-	-0-	-0-		-0-	-0-	-0-	
RECEIPTS								
TOTAL								
REMOVALS								
PROCESS LOSSES & ADJUSTMENTS								
INVENTORY <u>12-31-65</u>	-0-	-0-	-0-		-0-	-0-	-0-	
ISSUES TO REACTORS								
<u>REACTORS</u>								
INVENTORY								
FEED MATERIAL								
CONVERSION								
DEPRECIATION								
TOTAL								
RECEIPTS								
REACTOR FEED								
COOLING BASIN								
NEUTRON CHARGE								
<u>IRRADIATION PROCESSING COST</u>								
CONVERSION								
DEPRECIATION								
PROCESS LOSSES & ADJUSTMENTS								
TOTAL REACTORS								
INVENTORY								
FEED MATERIAL								
CONVERSION								
DEPRECIATION								
TOTAL								
<u>MATERIAL DISCHARGED</u>								
FEED MATERIAL								
CONVERSION								
DEPRECIATION								
TOTAL DISCHARGED								
<u>COOLING BASINS</u>								
INVENTORY <u>12-1-65</u>	750		4		750		4	
RECEIPTS								
REACTORS								
REMOVALS								
OFFSITE								
INVENTORY <u>12-31-65</u>	750		4		750		4	

DECLASSIFIED
WITH DELETIONS

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

REACTORS

POLONIUM IRRADIATION

MONTH ENDING - December 31, 1965

	POUNDS BISMUTH	PRODUCTION COSTS	CURIES	UNIT COST CURIES	CONVERSION* COST	UNIT COST CURIES
<u>FEED MATERIAL</u>						
INVENTORY <u>12-1-65</u>	4 143					
<u>RECEIPTS</u>						
OFFSITE						
PROCESS LOSSES & ADJUSTMENTS						
TOTAL	4 143					
<u>REMOVALS</u>						
OFFSITE						
INVENTORY <u>12-31-65</u>	4 143					
ISSUES TO REACTORS	-0-	-0-				
<u>REACTORS</u>						
INVENTORY <u>12-1-65</u>	1 872	4 668	21 408	.22	5 352	.25
FEED MATERIAL						
IRRADIATION PROCESSING COST		2 341	10 771	.22	2 031	.19
FINISHED PRODUCT	585					
TOTAL	2 457	7 009	32 179	.22	7 383	.22
INVENTORY <u>12-31-65</u>	1 872	3 571	16 394	.22	3 760	.22
FINISHED PRODUCTION	585	3 438	15 785	.22	3 623	.22
<u>COOLING BASIN</u>						
INVENTORY <u>12-1-65</u>	1 486	810	505	.16	357	.70
REACTORS	585	3 438	15 785	.22	3 623	.22
BURIAL GROUNDS						
INVENTORY DECAY			(687)			
TRANS. & SECURITY SHIPMENT COST						
TOTAL	2 071	4 248	15 603	.27	3 980	.26
<u>REMOVALS</u>						
OFFSITE						
TRANS. & SECURITY SHIPMENT COST						
WORK IN PROCESS						
Reactors	585					
INVENTORY <u>12-31-65</u>	1 486	4 248	15 603	.27	3 980	.26

DECLASSIFIED
WITH DELETIONS

*COST IN LEDGER ACCOUNT 020R- SPECIAL REQUESTS AND BACKCHARGES.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

AFTER FILL-IN

REACTORS - R&D

MONTH ENDING - December 31, 1965

	CURRENT MONTH				FISCAL YEAR TO DATE*			
	COST	POUNDS	COST	GRAMS	COST	POUNDS	COST	GRAMS
NORMAL URANIUM								
Inventory 12-1-65	1 218	104			1 218	104		
Receipts								
Production Orders	6 879				13 137			
Removals								
Onsite	1 192	100			1 192	100		
Total R&D Removals	1 192				1 192			
Material Consumed in Research	6 858				13 116			
Inventory 12-31-65	47	4			47	4		
ENRICHED U-LESS THAN 75% & NON-SEP. PU								
Inventory 12-1-65	355	17	115	14	355	17	115	14
Receipts								
Removals								
Inventory 12-31-65	355	17	115	14	355	17	115	14
ENRICHED U - MORE THAN 75%								
Inventory 12-1-65			1 071	119			1 845	205
Receipts								
Production Orders								
Removals								
WIP								
Enriched U-More Than 75%							774	86
Total WIP Removals							774	
Inventory 12-31-65			1 071	119			1 071	119
DEPLETED URANIUM								
Inventory 12-1-65	3 205	331			3 205	331		
Receipts								
Removals								
Inventory 12-31-65	3 205	331			3 205	331		

DECLASSIFIED
WITH DELETIONS

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

REACTORS

POLONIUM IRRADIATION

MONTH ENDING - December 31, 1965 - FY to Date*

	POUNDS BISMUTH	PRODUCTION COSTS	CURIES	UNIT COST CURIES	CONVERSION* COST	UNIT COST CURIES
<u>FEED MATERIAL</u>						
INVENTORY <u>12-1-65</u>	5 270					
<u>RECEIPTS</u>						
OFFSITE						
PROCESS LOSSES & ADJUSTMENTS						
TOTAL	5 270					
<u>REMOVALS</u>						
OFFSITE						
INVENTORY <u>12-31-65</u>	4 143					
ISSUES TO REACTORS	1 127					
<u>REACTORS</u>						
INVENTORY <u>12-1-65</u>	1 872	6 911	33 035	.21	12 642	.38
FEED MATERIAL	1 127					
IRRADIATION PROCESSING COST		4 681	20 156	.23	2 470	.12
FINISHED PRODUCT	585					
TOTAL	3 584	11 592	53 191	.22	15 112	.28
INVENTORY <u>12-31-65</u>	1 872	3 571	16 394	.22	3 760	.22
FINISHED PRODUCTION	1 712	8 021	36 797	.22	11 352	.31
<u>COOLING BASIN</u>						
INVENTORY <u>12-1-65</u>	1 643	740	1 572	.47	207	.16
REACTORS	1 712	8 021	36 797	.22	11 352	.31
BURIAL GROUNDS			(2 355)			
INVENTORY DECAY						
TRANS. & SECURITY SHIPMENT COST						
TOTAL	3 355	8 761	36 014	.24	15 159	.42
<u>REMOVALS</u>						
OFFSITE						
TRANS. & SECURITY SHIPMENT COST						
WORK IN PROCESS						
Reactors	585					
INVENTORY <u>12-31-65</u>	1 486	4 248	15 603	.27	3 980	.26

DECLASSIFIED
WITH DELETIONS

*COST IN LEDGER ACCOUNT 020R - SPECIAL REQUESTS AND BACKCHARGES.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

PRODUCTION FUELS & REACTORS
OTHER PROCESS INVENTORIES

AFTER FILL-IN

MONTH ENDING - February 31, 1965

CURRENT MONTH

FISCAL YEAR TO DATE*

	Production Cost	Grams	Unit Cost	Production Cost	Grams	Unit Cost
<u>SPECIAL IRRADIATIONS</u>						
<u>ORNL-(03AR)</u>						
Inventory						
Fuel	2 359			2 281		
Depreciation	480			466		
Total 12-1-65	2 839			2 747		
<u>Receipts</u>						
Reactor Cost						
Fuel	86			172		
Depreciation	18			35		
<u>Removals</u>						
Offsite						
Fuel				8		
Depreciation				3		
Inventory						
Fuel	2 445			2 445		
Depreciation	498			498		
Total 12-31-65	2 943			2 943		
<u>NAA-(03AR)</u>						
Inventory						
Fuel	4 024			4 024		
Depreciation	860			860		
Total 12-1-65	4 884			4 884		
<u>Receipts</u>						
<u>Removals</u>						
Inventory						
Fuel	4 024			4 024		
Depreciation	860			860		
Total 12-31-65	4 884			4 884		
<u>ENRICHED U-MORE THAN 75% - SCRAP</u>						
Inventory 12-1-65	2 223	247	9.00	2 223	247	9.00
<u>Receipts</u>						
<u>Removals</u>						
Inventory 12-31-65	2 223	247	9.00	2 223	247	9.00
<u>ENRICHED U - MORE THAN 75%</u>						
Inventory 12-1-65	164 045	16 270	10.08	164 139	16 270	10.08
<u>Receipts</u>						
R&D				774	86	9.00
<u>Removals</u>						
Offsite						
Inventory 12-31-65	164 045	16 270	10.08	164 045	16 270	10.08

DECLASSIFIED
WITH DELETIONS

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

PRODUCTION FUELS & REACTORS
NON-PRODUCTION INVENTORIES - R&D

AFTER FILL-IN

MONTH ENDING - December 31, 1965

	CURRENT MONTH	FISCAL YEAR TO DATE
General Ledger Balance 12-1-65	\$ 6 738	\$ -0-
NP Billings Received		
Receipts from Offsite	6 879	13 137
Receipts from Onsite - Inventory Responsibility Change		6 738
Receipts from Production		
Nuclear Material Inventory Revaluation		
Shipments Onsite		
Shipments Offsite		
Transfers to Production	(1 192)	(1 192)
Nuclear Material Inventory Revaluation	(774)	(774)
November Reconciling Item (Net) Booked In December	(6 858)	(13 116)
Material Consumed In Research - Unbooked - December		
Total Non-Production Inventories - R&D 12-31-65	4 793	4 793
Transfers Between Non-Production Inventories - R&D, Production and Nuclear Material Consumed in Research (Net)	1 171	1 171
General Ledger Balance 12-31-65	\$ 5 964	\$ 5 964
HAP0 Programs: 02	\$ 6 858	\$ 13 116
03		
04		
05		
Subtotal	6 858	13 116
Total Nuclear Material Consumed In Research	\$ 6 858	\$ 13 116

UNCLASSIFIED

AFTER FILL-IN

DOUGLAS UNITED NUCLEAR, INC.

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING - December 31, 1965

PRODUCTION FUELS & REACTORS -
SUMMARY OF CONVERSION & DEPRECIATION COST

	NORMAL URANIUM	ENRICHED URANIUM	THORIUM	TOTAL	B	C	D	KE	KW	TOTAL
PROCESS MATERIAL	85 840	32 728	12 784	131 352	16 770	28 430	17 195	19 191	25 161	106 747
OPERATING LABOR	40 347	17 134	5 821	63 302	21 955	27 134	19 607	25 547	26 868	121 111
IME	145 833	57 015	19 082	221 930	295 068	313 681	335 605	413 651	427 403	1 785 408
PROCESS TECHNOLOGY	73 505	28 881	10 184	112 570	54 697	60 502	61 030	75 117	78 549	329 895
OTHER PRODUCT	30 009	11 790	4 158	45 957	33 747	37 329	37 655	46 346	48 475	203 552
TOTAL COST	375 534	147 548	52 029	575 111	422 237	467 076	471 092	579 852	606 456	2 546 713
SERV. ASSESSMENTS-RLOO	29 616	11 636	4 103	45 355	33 306	36 841	37 163	45 740	47 832	200 882
TOTAL CONVERSION COST	405 150	159 184	56 132	620 466	455 543	503 917	508 255	625 592	654 288	2 747 595
DEPRECIATION	40 677	15 750	5 405	61 832	156 397	225 597	169 181	295 254	297 154	1 143 583
TOTAL	445 827	174 934	61 537	682 298	611 940	729 514	677 436	920 846	951 442	3 891 178

DISTRIBUTION OF PRODUCTION COST

CONVERSION - URANIUM	405 150	159 184		564 334						
DEPRECIATION - URANIUM	40 677	15 750		56 427						
CONVERSION - PU					444 326	490 333	494 184	562 687	584 718	2 576 248
DEPRECIATION - PU					152 377	219 323	164 380	265 013	265 499	1 066 592
CONVERSION - U-233					12 711	14 818	14 071	64 896	69 570	176 006
DEPRECIATION - U-233					4 359	6 626	4 680	30 573	31 591	77 829
CONVERSION - PU-240					(1 494)	(1 234)		(1 931)		(4 659)
DEPRECIATION - PU-240					(512)	(586)		(599)		(1 697)
CONVERSION - TRITIUM										
DEPRECIATION - TRITIUM										
Conversion - Thorium			56 132	56 132						
Depreciation - Thorium			5 405	5 405						
DEPR. - SPECIAL IRRADIATIONS					173	294	121	267	64	859
CONVERSION	405 150	159 184	56 132	620 466	455 543	503 917	508 255	625 592	654 288	2 747 595
DEPRECIATION	40 677	15 750	5 405	61 832	156 397	225 597	169 181	295 254	297 154	1 143 583
TOTAL	445 827	174 934	61 537	682 298	611 940	729 514	677 436	920 846	951 442	3 891 178

CLASSIFIED

AFTER FILL-IN

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

MONTH ENDING - December 31, 1965 - FY to Date

PRODUCTION FUELS & REACTORS -
SUMMARY OF CONVERSION & DEPRECIATION COST

	NORMAL URANIUM	ENRICHED URANIUM	THORIUM	TOTAL	B	C	D	KE	KW	TOTAL
PROCESS MATERIAL	78 881	126 326	23 732	228 939	28 564	47 634	29 717	39 766	41 261	186 942
OPERATING LABOR	44 251	70 152	12 677	127 080	44 946	45 612	53 314	51 693	54 790	250 355
IME	153 159	218 976	31 835	403 970	565 039	573 786	673 472	783 290	838 944	3 434 531
PROCESS TECHNOLOGY	74 415	94 593	16 691	185 699	94 387	99 270	111 048	129 717	137 925	572 347
OTHER PRODUCT	30 835	71 426	10 063	112 324	88 039	90 423	106 235	120 890	129 601	535 188
TOTAL COST	381 541	581 473	94 998	1 058 012	820 975	856 725	973 786	1 125 356	1 202 521	4 979 363
SERV. ASSESSMENTS-RLOO	30 111	49 428	7 647	85 186	66 195	68 966	78 611	90 985	97 034	401 791
TOTAL CONVERSION COST	411 652	628 901	102 645	1 143 198	887 170	925 691	1 052 397	1 216 341	1 299 555	5 381 154
DEPRECIATION	41 336	70 963	11 365	123 664	312 794	451 194	338 362	590 508	594 309	2 287 167
TOTAL	452 988	699 864	114 010	1 266 862	1 199 964	1 376 885	1 390 759	1 806 849	1 893 864	7 668 321

DISTRIBUTION OF PRODUCTION COST

CONVERSION - URANIUM	411 652	628 901		1 040 553						
DEPRECIATION - URANIUM	41 336	70 963		112 299						
CONVERSION - PU					860 429	897 778	1 023 141	1 128 046	1 197 356	5 106 750
DEPRECIATION - PU					302 971	437 033	328 718	545 673	547 546	2 161 941
CONVERSION - U-233					25 309	27 839	29 256	87 909	102 199	272 512
DEPRECIATION - U-233					8 924	13 590	9 402	42 104	46 618	120 638
CONVERSION - PU-240					1 432	74		386		1 892
DEPRECIATION - PU-240					548	112		1 782		2 442
CONVERSION - TRITIUM										
DEPRECIATION - TRITIUM										
Conversion - Thorium			102 645	102 645						
Depreciation - Thorium			11 365	11 365						
DEPR. - SPECIAL IRRADIATIONS					351	459	242	949	145	2 146

CONVERSION	411 652	628 901	102 645	1 143 198	887 170	925 691	1 052 397	1 216 341	1 299 555	5 381 154
DEPRECIATION	41 336	70 963	11 365	123 664	312 794	451 194	338 362	590 508	594 309	2 287 167
TOTAL	452 988	699 864	114 010	1 266 862	1 199 964	1 376 885	1 390 759	1 806 849	1 893 864	7 668 321

PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

DUN-580

AFTER FILL-IN

PRODUCTION FUELS & REACTOR
RECEIPTS - ONSITE

MONTH ENDING - December 31, 1965

MONTH ENDING - December 31, 1965

PRODUCTION FUELS	101 NUMBER	CURRENT MONTH			FISCAL YEAR TO DATE		
		POUNDS	GRAMS	COST	POUNDS	GRAMS	COST
<u>NORMAL URANIUM - PROCESS</u>							
Battelle Northwest Laboratories	HYA-HXA-11	66.14		784			
	HYA-HXA-13	3.22		26			
	HYA-HXA-14	46.96		549			
	HYA-HXA-15	1.38		N/C			
	HYA-HXA-17	691.98		8 203			
		<u>809.68</u>		<u>9 562</u>	<u>1 460.24</u>		<u>17 269</u>
Total Normal Uranium - Process							
<u>NORMAL URANIUM - UM SCRAP</u>							
Battelle Northwest Laboratories	HYA-HXA-18	37 476.58		444 097			
	HYA-HXA-19	597.46		7 080			
		<u>38 074.04</u>		<u>451 177</u>	<u>38 074.04</u>		<u>451 177</u>
Subtotal HYA							
USAEC, Richland Operations Office				1 100			9 300
Transportation & Security Ship. Cost							
Total Normal Uranium - UM Scrap		<u>38 074.04</u>		<u>452 277</u>	<u>38 074.04</u>		<u>454 477</u>
<u>ENRICHED URANIUM-LESS THAN 75% - PROCESS</u>							
Battelle Northwest Laboratories	HYA-HXA-16	.50		9			
Subtotal HYA		.50		9	55.78		1 138
General Electric Company	HZA-HXA-124	29.76		602			
	HZA-HXA-126	18.72		379			
		<u>48.48</u>		<u>981</u>	<u>59.28</u>		<u>1 199</u>
Subtotal HZA		<u>48.98</u>		<u>990</u>	<u>115.06</u>		<u>2 337</u>
Total Enriched U-Less Than 75% - Process							
<u>ENRICHED URANIUM - SLUDGES - G-6</u>							
General Electric Company	HZA-HXA-123	843.46		13 622			
	HZA-HXA-127	127.00		2 051			
		<u>970.46</u>		<u>15 673</u>	<u>2 288.46</u>		<u>42 336</u>
Total Enriched U - Sludges - G-6							
<u>ENRICHED URANIUM - SCRAP</u>							
USAEC, Richland Operations Office							
Transportation & Security Ship. Cost							
<u>REACTORS</u>							
<u>DEPLETED URANIUM - BASINS</u>							
Battelle Northwest Laboratories					13.22	3.00	
<u>ENRICHED URANIUM - REACTOR FEED</u>							
Battelle Northwest Laboratories					229.17		4 685
<u>ENRICHED URANIUM - BASINS</u>							
Battelle Northwest					24.91	8.00	
TOTAL ONSITE RECEIPTS - PRODUCTION FUELS AND REACTORS				479 602			524 079

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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AFTER FILL-IN

PRODUCTION FUELS & REACTOR
RECEIPTS - OFFSITE

MONTH ENDING - December 31, 1965

PRODUCTION FUELS	101 NUMBER	CURRENT MONTH			FISCAL YEAR TO DATE		
		POUNDS	GRAMS	COST	POUNDS	GRAMS	COST
<u>NORMAL URANIUM - PROCESS</u>							
National Lead Co. of Ohio	FVA-HXA-10-N	40.00		476			
	FVA-HXA-11-N	47 208.00		561 446			
	FVA-HXA-12-N	84 649.00		1 006 726			
	FVA-HXA-14-N	73 338.00		872 405			
	FVA-HXA-9-N	7 038.00		83 658			
Subtotal FVA		212 273.00		2 524 711	656 266.00		7 811 897
Du Pont de Nemours & Co., Inc.	DZA-HXA-1	70.79		1 023			
Subtotal DZA		70.79		1 023	70.79		1 023
USAEC, Oak Ridge Operations Office	FBE-HXA-1	.44		N/B	.44		N/B
Total Normal Uranium - Process		212 344.23		2 525 734	656 337.23		7 812 920
<u>ENRICHED URANIUM-LESS THAN 75% - PROCESS</u>							
National Lead Co. of Ohio	FVA-HXA-11-E	88 848.00		1 747 121			
	FVA-HXA-14-E	82 000.00		1 615 427			
	FVA-HXA-15-E	73 655.00		1 450 504			
	FVA-HXA-16-E	92 680.00		1 824 817			
	FVA-HXA-17-E	85 535.00		1 684 457			
	FVA-HXA-18-E	77 261.00		1 520 674			
	FVA-HXA-19-E	33 817.00		665 349			
Subtotal FVA		533 796.00		10 508 349	1 491 569.00		29 370 108
Du Pont de Nemours & Co., Inc.	DZA-HXA-2	65.28		1 342			
Subtotal DZA		65.28		1 342	65.28		1 342
Total Enriched U - Less Than 75% - Process		533 861.28		10 509 691	1 491 634.28		29 371 450
<u>THORIUM</u>							
Mallinckrodt Chemical Works	FWA-HXA-4-T	15 692.59		252 278			
	FWA-HXA-5-T	2 824.14		43 989			
	FWA-HXA-6-T	11 975.57		186 538			
	FWA-HXA-7-T	13 584.96		211 605			
	FWA-HXA-8-T	3 179.08		49 514			
Total Thorium		47 256.34		743 924	77 290.07		1 274 513
<u>REACTORS</u>							
<u>NORMAL URANIUM - R&D</u>							
National Lead Co. of Ohio	AA-867			5 955			
	AA-876			103			
	AA-895			564			
	AA-896			154			
	AA-900			103			
				6 879			13 137
TOTAL PRODUCTION FUELS AND REACTORS				13 786 228			38 432 020
RECEIPTS - OFFSITE							

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

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PRODUCTION FUELS & REACTOR
SHIPMENTS - ONSITE

AFTER FILL-IN

MONTH ENDING - December 31, 1965

PRODUCTION FUELS	101 NUMBER	CURRENT MONTH			FISCAL YEAR TO DATE		
		POUNDS	GRAMS	COST	POUNDS	GRAMS	COST
NORMA L URANIUM - PROCESS							
Battelle Northwest Laboratories	HXA-HYA-13-N	3.62		43			
	HXA-HYA-14-N	14.86		177			
	HXA-HYA-15-N	1.50		18			
	HXA-HYA-16-N	47.10		560			
	HXA-HYA-17-N	78.50		933			
	HXA-HYA-18-N	48.52		577			
	HXA-HYA-26-N	4.07		48			
	HXA-HYA-27-N	549.50		6 534			
	HXA-HYA-28-N	271.68		3 230			
Subtotal HYA		1 019.35		12 120	1 744.42		20 741
USAEC, Richland Operations Office					4 519.80		53 740
Total Normal Uranium - Process		1 019.35		12 120	6 264.22		74 481
ENRICHED URANIUM-LESS THAN 75% - PROCESS							
Battelle Northwest Laboratories	HXA-HYA-11-E	.59		N/C			
	HXA-HYA-21-E	14.76		467			
	HXA-HYA-29-E	253.46		4 980			
Total Enriched Uranium-Less Than 75%-Process		268.81		5 447	328.72		6 624
THORIUM - PROCESS							
Battelle Northwest Laboratories	HXA-HYA-12-T	.77		13			
	HXA-HYA-20-T	.39		N/C			
	HXA-HYA-24-T	692.30		11 478			
Total Thorium - Process		693.46		11 491	695.45		11 512
REACTORS							
NORMA L URANIUM - FEED							
General Electric Co.	HXA-HZA-5-N	27.18		323			
Total Normal Uranium - Feed		27.18		323	27.18		323
NORMA L URANIUM - REACTOR R&D							
Battelle Northwest Laboratories	HXA-HYA-19-N	100.32		1 192			
Total Normal Uranium - Reactor R&D		100.32		1 192	100.32		1 192
ENRICHED URANIUM - LESS THAN 75% - FEED							
Battelle Northwest Laboratories	HXA-HYA-30-E	7.65		242			
Total Enriched Uranium-Less Than 75%-Feed		7.65		242	7.65		242
ENRICHED URANIUM-LESS THAN 75%-BASINS							
General Electric Company	HXA-HZA-3-E	92 643.22	28 675.31				
	HXA-HZA-4-E	189 921.34	54 523.02				
	HXA-HZA-5-E	16.02		507			
	HXA-HZA-6-E	81.60		1 609			
Subtotal HZA		282 662.18	83 198.33		585 680.18	177 416.34	
Battelle Northwest Laboratories	HXA-HYA-22-E	33.00	.62				
	HXA-HYA-23-E	16.33	3.67				
Subtotal HYA		49.33	4.29		49.33	4.29	
Total Enriched Uranium-Less Than 75%-Basins		282 711.51	83 202.62		585 729.51	177 420.63	
DEPLETED URANIUM - BASINS							
General Electric Co.	HXA-HZA-3-D	531 325.34	138 769.93				
	HXA-HZA-4-D	294 664.08	83 226.86				
Subtotal HZA		825 989.42	221 996.79		1 292 343.50	379 784.84	
Battelle Northwest Laboratories	HXA-HYA-25-D	31.33	8.25		31.33	8.25	
Total Depleted Uranium - Basins		826 020.75	222 005.04		1 292 374.83	379 793.09	
TOTAL PROD. FUELS & REACTOR - SHIPMENTS - ONSITE							

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PRODUCTION INVENTORY AND MANUFACTURING STATEMENT

AFTER FILL-IN

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PRODUCTION FUELS & REACTOR
SHIPMENTS - OFFSITE

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