6577

U-003-307 .44

DEPLETED MATERIALS TO PIT 4 (FY66-88) CALCULATIONS - (USED AS A REFERENCE IN OU1 RI REPORT)

NLCO, INC
25
REPORT

DEPLETED MATERIALS TO PIT 4 (FY66-84)

6577

MTC	DESCRIPTION	Dens #/Ft³	NET POUNDS	Kg URANIUM	CUBIC FEET
D003	NON-RECOVERABLE TRASH	50	270	-	5
D007	RAFFINATE CAKE	90	189	-	2
D011	CONT. SOIL, ROCKS, SAND, BRICKS, ETC	150	61749	418	412
D012	CONTAMINATED WATER	62	6172	59	100
D019	CONTAMINATED MAGNESIUM	30	22044	998	735
D020	CONT. MERCO DICY & HILCO CAKE	30	4354	151	145
D021	WET MgF_2	40	151777	6303	3794
D027	CONT. RAGS, PAPER & POLYETHYLENE	25	22345	1762	894
D028	CONT NON-BURNABLES	25	4525	-	181
D029	DUST COLLECTOR RAGS	25	25989	909	1040
D030	MgO & Mg ZIRCONATE	30	63654	103	2122
D031	ROASTED MgF_2	90	1464	53	16
D032	INCINERATOR ASH	70	39907	630	570
D033	INCINERATOR CINDERS	50	357808	4773	7156
D034	MgF_2 FOR MILLING	90	15380084	189674	170890
D035	MgF_2 LINER	100	28959	678	290
D037	MgF_2 GROUND	90	5440	72	60
D038	MgF_2, +10 MESH, LOW U	130	533	71	4
D041	SLUDGES, OILY	125	750579	189555	6005
D042	SLUDGES, CLEANOUT, NON-OILY	100	21850	926	219
D043	SLUDGES, SOLVENT	100	395	1	4
D044	SLUDGES, SALT, SOFT, CHLORIDE	100	113820	5842	1138
D046	SLUDGES, NON-OILY, INCL HI OR LOW FROM NOTAH	100	161469	15189	1615
D047	SAMPLES, NON METALLIC, MISC.	100	1536	418	15
D048	OIL BURNER ASH	25	244	-	10
D057	WET CRUSHED MgF_2	90	8605	96	96
D060	FURNACE SALT, SOLIDIFIED, CHLORIDE	80	277404	1143	3468
D061	FURNACE SALT, SOLIDIFIED, NON-CHLORIDE	80	338606	49168	4233
D062	DUST COLLECTOR RESIDUE - HI FI	125	1456401	119598	11651
D063	KOH REVERSION CAKE	50	106	11	2
D064	DUST COLLECT RESIDUE, PYROPHORIC	120	1555	90	13
D065	SCRAP SALTS, HIGH FI HIGH EL	145	1507649	508329	10398
D066	SCRAP SALTS, LOW FI	145	10520	78	73
D067	WET CAKE, HALIDE CONT	30	104233	6337	3474
D068	WET CAKE, OIL CONT	30	266439	23153	8881
D069	WET CAKE, NON HALIDE & NON-OILY	70	1199511	159064	17136

DEPLETED MATERIALS TO PIT 4 (FY66-84)

6577 Page (2)

MTC	DESCRIPTION	Dens #/Ft³	NET POUNDS	KG URANIUM	CUBIC FEET
D070	Rockwell Spills	120	7515	3067	63
D071	Rockwell Cleanings	120	69000	10003	575
D075	Clad Metal	500	12416	5069	25
D077	Crushed Slag	90	7937	93	88
D079	Unfired Reduction Chgs + MgF_2	120	69119	15167	576
D081	Partially Oxidized Metal	400	2244	620	6
D082	Off Spec - UF_4	200	268789	92425	462
D084	Bomb Reduction - No Derby	200	3632	1025	5
D101	Scrap U_3O_8	150	859215	305333	2036
D104	Metal Spills + Extrusion Ends	500	124	54	1
D110	Non-Briq. Chips + Turnings	150	382946	164968	1100
D111	Briquettable Chips + Turnings	150	2139	938	6
D112	Briquettable Chips + Turnings	150	4/2010	18026	120
D119	Solid Metal with Embedded Steel	500	8516	3477	7
D122	U_3O_8, +8 Mesh, Low F	400	777	299	1
D125	Unrecycled Slag +20 Mesh	140	239747	11963	85
D129	Dirty Pellets, Code 5 Derby	300	126386	15250	51
D131	Partially Oxidized Metal	400	7666	2804	7
D132	Dust Col Residue - Low Fl	125	470200	151792	1214
D134	U_3O_8 for Reoxidation	170	75459	25374	149
D135	Dust Col Residue - Hi Fl	110	124497	30016	273
D137	Misc Matl - Recovery Method To Be Determined	85	42	15	1
D154	U_3O_8 Rotated, Pit 8 Oxid Product	125	4356	1660	13
D157	Reject UO_3	165	324	107	1
D219	Metal from Spills	500	3383	1528	3
TOTAL:			25186629	2146750	263715
METRIC TON			11424	2147	

MATERIALS TO PIT 4

6578 K 8/11

	ACTUAL (FY79-84)			CALCULATED (FY66-78)(1)			TOTAL		
	PROD TONS	NET LBS	KG U	PROD TONS	NET LBS	KG U	PROD TONS	NET LBS	KG U
PLANT 4	19103	120211	38328	15810	1656906	560852	34913	1777117	599180
GENERAL (25%)		48828	1349		79513	2093		128341	3442
TOTAL		169039	39677		1736419	562945		1905458	602622
REDUCTION	17603	2321162	86358 / 105907	13600	15560011 / ~~15828634~~	323761 / ~~497608~~	31203	17881173 / ~~18149796~~	410119 / ~~604575~~
GENERAL (25%)		48829	1350		79513	2094		128342	3444
TOTAL:		2369991	~~107257~~		~~15908147~~	~~499702~~		~~18278138~~	~~608019~~
			81708		15639524	325855		18009515	413563
CASTING	15435	747819	200881	21640	2649124	700677	37075	3396943	901558
GENERAL (25%)		48828	1349		79512	2093		128340	3442
TOTAL:		796647	202230		2728636	702770		3525283	905xxx
PIT 6/9 MACHINING	21902	291711	41451	29536	1326322	180671	51438	1618033	222122
GENERAL (25%)		48828	1350		79512	2093		128340	3443
TOTAL:		340539	42801		1405834	182764		1746373	225565
TOTAL ALL OPER	—	3480903	~~361016~~ 386567	—	~~21192363~~ ~~21460986~~	~~1765961~~ 1939868	—	~~24673266~~ ~~24941889~~	~~2132799~~ ~~2326435~~
GENERAL (100%)		195313	5398		318050	8373		513363	13771
		3676216	~~391965~~		~~21779036~~	~~1948391~~		~~25455252~~	~~2340206~~
			372416		21510413	1774334		25186629	2146750

(1) MATERIALS TO PIT 4 (FY66-78) BASED ON ACTUAL SHIPMENTS TO PITS 4+6 (FY79-84)

Materials to Pits - FY79-FY84 Actual

6577

Operation	Prod Tons	Pit 4 Net Lbs	Pit 4 Kg U	Pit 6 Net Lbs	Pit 6 Kg U	Total Net Lbs	Total Kg U
Plant 4 (UF_4)	19103	120211	38328	1881849	639357	2002060	677685
General (25%)		48828	1349	24226	573	73054	1923
Total:		169039	39677	1906075	639930	2075114	679608
Plant 5 Reduction	17603	2321162	105907	18166327	538240	20487489	644147
General (25%)	-	48829	1350	24227	574	73056	1924
Total:		2369991	107257	18190554	538814	20560545	646071
Plant 5 Casting	15435	747819	200851	1392714	365277	2140533	566158
General (25%)		48828	1349	24226	574	73054	1923
Total:		796647	202230	1416940	365851	2213587	568081
Plant 6/9 Machining	21902	291711	41451	691770	92518	983481	133969
General (25%)		48828	1350	24226	574	73054	1923
Total		340539	42801	715996	93092	1056535	135892
Total All Pits		3480903	386567	22132660	1635392	25613563	2021959
General (100%)	74043	195313	5398	96905	2295	292218	7693
Total:		3676216	391965	22229565	1637687	25905781	2029652
Metric Tons		1668	392	10083	1638	11751	2030

NUCGEN: 040 / 0-15-561

Production Tonnage (MTU)

6577

Depleted

FY	Plant 4	Reduction Plant 5	Casting Plant 5	Machining Plant 6/9
1966	107	94	67	7
1967	677	236	432	248
1968	1549	660	2248	2859
1969	1386	1344	2540	3037
1970	943	650	1269	2004
1971	876	967	1838	2491
1972	1028	992	1633	2223
1973	2159	1969	3260	4547
1974	980	954	1525	2165
1975	1144	797	1041	1632
1976 +76A	1276	1564	2080	2776
1977	1950	1525	1970	2888
1978	1735	1848	1737	2659
66-78 Sub Total	15810	13600	21640	29536
1979	1513	1346	1235	2032
1980	2059	1806	1837	2524
1981	2105	2020	1908	2740
1982	3999	3477	3345	4711
1983	3599	3717	3710	5016
1984	5828	5237	3400	4879
79-84 Sub Total	19103	17603	15435	21902
TOTAL:	34913	31203	37075	51438

PIT 4

PLANT 4

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1) 6577

FY79-84 (PITS 446) ACTUAL						FY66-78 (PIT 4) CALCULATED					
PROD (MTU)	MTC	Source	Net #	Kg U		PROD (MTU)	MTC	Source	Net #	Kg U	
	D003	400	24		–				20		–
	D027	310	198		–				164		–
		400	459		–				380		–
		434	48		–				40		–
		435	69		–				57		–
	D028	400	281		–				233		–
		440	83		–				69		–
	D029	400	5794		–				4795		–
		420	45		–				37		–
		421	230		–				190		–
		429	153		52				127		43
		434	6		2				5		2
	D065	400	1702018		584037				1408590		483349
		440	22750		782				18828		647
	D082	400	357		329				705		372
		440	259050		89045				214390		73694
		510	10000		3438				8276		2845
TOTAL 19103	–	–	2002060		677685	15810			1656906		560852

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(1) BASED ON ACTUAL DISCARDS TO PITS 446 (FY79-84)

MATERIALS DISCARDED TO PIT 4 PLANT 4

DEPLETED

MTC	Source	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D003	400					24	-									24	0
D027	310											198	0			198	0
	400			38	0							421	0			459	0
	434											48	0			48	0
	435			69	0											69	0
				47	0			47	0	33	0	154	0			281	0
D028	400									83	0					83	0
	440																
D029	400	39	0	2271	0			3324	0	160	0					5794	0
	420									45	0					45	0
	421			230	0											230	0
	429											153	52			153	52
	434											6	2			6	2
D065	400	69990	23548													69990	23548
D082	440	32831	11288													32831	11288
	510	10000	3438													10000	3438
TOTAL:		112860	38274	2655	0	24	0	3371	0	321	0	980	54			120211	38328

6529

MATERIALS DISCARDED TO PIT _____ PLANT _____

DEPLETED

YTC	Surface	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt.	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D065	400			257009	88166	240308	82413	469388	163646	280445	95509	384878	130755			1632028	560489
	440											22750	782			22750	782
												852	329			852	329
D082	400							53797	18493	172422	59264					226219	77757
	440																
∞																	
TOTAL				257009	88166	240308	82413	523185	182139	452867	154773	408480	131866			1881849	639357

6522

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1)

FY79-84 (PITS 446) ACTUAL						FY66-78 (PIT 4) CALCULATED					
PROD (MTU)	MTC	Source	Net #	Kg U		PROD (MTU)	MTC	Source	Net #	Kg U	
	D011	510	2198		17				1698		13
		517	4616		5				3566		4
	D019	510	12436		563				9608		435
	D020	510	4150		107				3206		83
		513	218		0				168		0
	D021	132	18512		587				14302		454
		134	15604		702				12056		542
		142	11550		605				8924		467
		510	83457		3184				64479		2460
		800	5857		1039				4525		803
	D027	510	139		-				107		-
	D029	510	40		14				31		11
		512	1568		231				1211		178
		513	1659		151				1282		117
		520	995		6				769		5
		560	462		-				357		-
	D031	132	1895		68				1464		53
	D034	513	2865790		31851				2214109		24608
		518	59260		1478				45784		1142
		560	~~14828134~~ 15795921		~~183067~~ 408167				~~11456794~~ 11724917		~~141438~~ 215345
	D035	112	37483		877				28959		678
	D037	112	4555		53				3519		41
	D057	518	11138		124				8605		96
	D061	323	4463		439				3402		339
		913	18537		1934				14322		1494
		914	54065		7132				41772		5742
		916	58171		8038				45406		6210
		917	18970		2853				14656		2204
	D062	100	385		83				297		64
		311	624		6				482		5
		333	4518		41				3491		32
		512	820112		127211				633619		98283
		520	750971		12869				580200		9943
		523	125789		1603				97185		1238
Page Total			~~19828961~~ 20176648		~~387238~~ 401332				~~15319855~~ 15588498		~~299181~~ 473955

(1) BASED ON ACTUAL DISCARDS TO PITS 446 (FY 79-84)

NUCGEN 860 (2-15-56)

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1) 6577

	FY79-84 (PITS 4&6) ACTUAL					FY66-78 (PIT 4) CALCULATED				
PROD (MTU)	MTC	Source	Net #	Kg U		PROD (MTU)	MTC	Source	Net #	Kg U
	D064	333	877	51					678	39
	D065	510	7596	164					5869	127
		514	257	62					199	48
		800	2877	494					2223	382
	D070	516	701	286					542	221
	D071	516	38926	5643					30074	4360
	D077	518	10273	120					7937	93
	D079	514	38993	8557					30126	6610
	D081	334	414	21					320	16
		550	852	329					658	254
	D084	518	2049	578					1583	447
	D125	560	135252	6749					104495	5214
	D129	112	3142	1037					2428	801
		331	870	380					672	294
		518	55376	2863					42783	2212
		560	11912	4323					9203	3340
	D137	824	54	19					42	15
	D157	100	420	139					324	107
Page 2 Total			310841	31815					240156	24580
			~~2013802~~	~~[illegible]~~						
TOTAL:	17603		~~2048489~~	~~644149~~		13600			~~15828634~~	~~497668~~
				~~[illegible]~~					15560011	323761
				419053						
					1726					
										10

(1) BASED ON ACTUAL DISCARDS TO PITS 4&6 (FY 79-84)

NLO GEN. 860 (8-15-56)

MATERIALS DISCARDED TO FIT _____ REDUCTION (Page 1)

DEPLETED

MTC	Source	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt.	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D011	510							395	0	795	14	808	3			2198	17 ✓
	517									3615	-	1001	5			4616	5 ✓
D019	510	1850	84	647	29	517	24	3291	149	1705	77	4426	200			12436	563 ✓
D020	510	260	2													260	2 ✓
D021	134	4391	238													4391	238 ✓
	142	4889	454													4889	454 ✓
	510	37575	782													37575	782 ✓
	800	497	103													497	103 ✓
D027	510											139	0			139	0 ✓
D029	510											40	14			40	14 ✓
	512							713	0	175	0	680	231			1568	231 ✓
	513	85	0	127	0	466	0	497	0	38	0	446	151			1659	151 ✓
	520			61	0			568	0	20	0	346	6			995	6 ✓
	560	60	0	25	0	66	0	136	0	175	0					462	0 ✓
D034	513	291022	4779													291022	4779 ✓
	518	59260	1478													59260	1478 ✓
	560	1313615	~~35778~~ 16229													1313615	~~35778~~ 16229 ✓
D037	112	1921	31													1921	31 ✓
D061	323	4403	439													4403	439
	913					363	94	4900	393	3691	430	9583	1017			18537	1934
	914	7951	1051	11524	1487	22092	3284	12498	1610							54065	7432
	916							20116	1830	12755	1756	25900	4452			58771	8038
	917							2834	462	11836	1836	4300	555			18970	2853
TOTAL Page 1		1727779	~~45279~~ 25670	12384	1516	23504	3402	46148	4141	34805	4113	47669	6634			1892289	~~65328~~ 45779 ✓

MATERIALS DISCARDED TO PIT 4 — REDUCTION (Page 2):

DEPLETED

MTC	Source		FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U			TOTAL Lbs Net Wt	TOTAL Kg U
D062		100	385	83													385	83
		512	49594	7608													49594	7608
		520	82396	1971													82396	1971
		523	7134	100													7134	100
D064		333	877	51													877	51
D070		516					701	286									701	286
D071		516	1008	145	332	48	5216	638	21002	3128	1616	232	9752	1452			38926	5643
D079		514	556	112	2149	436			2553	514	5460	730	28275	6765			38993	8557
D081		334	414	21													414	21
		550											852	329			852	329
D084		518			201	68	566	74	376	128	906	308					2049	578
D125		560	51580	2574	26020	1298	57652	2877									135252	6749
D129		112					1858	613			1284	424					3142	1037
		331	870	380													870	380
		518	8667	393	10475	475	2703	475	31253	1417	2278	103					55376	2863
		560	11912	4323													11912	4323
Total Page 2			215393	17761	39177	2325	68696	4963	55184	5187	11544	1797	38879	8546			428873	40579
TOTAL: Reduction			1943172	62980 43431	51561	3841	92200	8365	101332	9631	46349	5910	86548	15180			2321162	~~105907~~ 86358

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MATERIALS DISCARDED TO PIT 10

REDUCTION

DEPLETED

ATC	Source	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net WT	FY 82 Kg U	FY 83 Lbs Net WT	FY 83 Kg U	FY 84 Lbs Net WT	FY 84 Kg U	Lbs Net Wt.	Kg U	TOTAL Lbs Net WT	TOTAL Kg U
D020	510							770	35	1509	68	1611	2			3890	105 ✓
	513									218	0					218	0 ✓
								12660	468	5852	119					18512	587 ✓
D021	132					5021	244			6192	220					11213	464 ✓
	134															6661	151 ✓
	142			6661	151											45882	2402 ✓
	510			6987	1376	3860	386	27167	613	1450	14	6418	13			5360	936 ✓
	800			5360	936												
								1895	68							1895	68 ✓
D031	132																
																2574768	27072 ✓
D034	513			295039	3991	240268	2778	780805	8310	650182	5712	608474	6281			13862306	372383 ✓
	560			1656685	45087	1754160	47740	2281120	62082	341300	92840	(1) 4759041	124634				
										37483	877					37483	877 ✓
D035	112																
										2634	22					2634	22 ✓
D037	112																
										6095	58	5043	66			11138	124 ✓
D057	518																
												624	6			624	6 ✓
D062	311											4518	41			4518	41 ✓
	333															770518	119603 ✓
	512			60573	7149	111163	12965	218245	36139	188966	33201	191571	30149			668575	10898 ✓
	520			71182	1489	103364	1735	122858	1957	127673	1932	243498	3785			118655	1503 ✓
	523			14016	219	13472	181	33566	498	28240	258	29361	347				
										1719	10	5877	154			7596	164 ✓
D065	510									257	62					257	62 ✓
	514															2877	494 ✓
13	800					2877	494										
										6393	80	3880	40			10273	320 ✓
D077	518																
										54	19					54	19 ✓
D137	824																
																420	139 ✓
D157	100							420	139								
TOTAL:				2116503	60398	2234185	66523	3479506	110309	4141217	135492	5859116	165518			18166327	538240

PLANT CASTING

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1) 6577

FY79-84 (PITS 4+6) ACTUAL					FY66-78 (PIT 4) CALCULATED				
PROD (MTU)	MTC	SOURCE	NET #	KG U	PROD (MTU)	MTC	SOURCE	NET #	KG U
	D011	610	1035	–				1281	–
		643	5696	4				7049	5
	D020	550	582	53				720	66
	D021	550	112	0				139	–
	D027	530	5472	761				6772	942
	D028	530	85	–				105	–
		610	222	–				275	–
		951	769	–				952	–
	D029	535	2750	34				3403	42
	D030	530	47129	75				58327	93
	D041	610	1720	–				2129	–
		FTA	264024	72574				326756	89818
	D042	643	9765	414				12085	512
	D044	611	689	76				853	94
		643	26886	465				33274	575
		800	995	148				1231	183
		FTA	23476	1541				29054	1907
	D046	530	66039	6788				81730	840[illegible]
	D047	530	404	88				500	109
	D060	611	84	1				104	1
		643	78551	85				97215	105
	D061	610	296	43				366	53
		661	251	47				311	58
		663	1424	237				1762	293
	D062	610	572	132				708	163
	D063	980	86	9				106	11
	D065	530	1576	184				1950	228
	D066	610	1106	16				1369	20
		643	6533	42				8085	52
	D067	FTA	83541	5111				103390	6325
	D068	FTA	187328	18213				231837	22540
	D070	550	2803	1144				3469	1416
									14
Page 1 Total:			822001	108285				1017308	134014

(1) BASED ON ACTUAL DISCARDS TO PITS 4+6 (FY79-84)

NLO GEN. 960 (9.15.56)

PLANT CASTING

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1)

6577

FY79-84 (PITS 446) ACTUAL						FY66-78 (PIT 4) CALCULATED					
PROD (MTU)	MTC	SOURCE	NET #		KG	PROD (MTU)	MTC	SOURCE	NET #		KG
	D101	534	638	535	225				790	251	279
		824		671	219					830	271
		900		320	99					396	123
		915		140	42					173	52
		927		30	11					37	14
	D110	550		405	174					501	215
		620	168	537	72				208	581	89
		625		70	30					87	37
		627		952	410					1178	507
		642		185	80					229	99
	D111	550		956	419					1183	519
	D112	550		775	332					959	411
	D119	FTA	3	806	1554				4	710	1923
	D122	822		628	242					777	299
	D132	100	2	150	709				2	661	877
		535	332	531	109				411	548	136
		536		8236	39					10193	48
		800		514	148					636	183
	D134	FTA	60	629	20				75	034	25
	D135	533	93	527	22				115	749	27
	D154	822		3415	1302					4226	1611
	D219	530		600	271					743	335
		550		914	412					1131	510
Page 2 TOTAL			131	8532	45	7873				1631	815	566	663
TOTAL:	15435		2140	533	566	158	21640			2649	124	700	677

1.2376

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(1) BASED ON ACTUAL DISCARDS TO PITS 446 (FY 79-84)

NUCGEN: 060 10.15.54

MATERIALS DISCARDED TO PIT ___

DEPLETED

MTC	Source		FY79 Lbs Net Wt	FY79 Kg U	FY80 Lbs Net Wt	FY80 Kg U	FY81 Lbs Net Wt	FY81 Kg U	FY82 Lbs Net Wt	FY82 Kg U	FY83 Lbs Net Wt	FY83 Kg U	FY84 Lbs Net Wt	FY84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D011	✓	610	105	–	930	–											1035	–
	✓	643	1303	4			4393	–									5696	4
D027	✓	530	698	158	936	212	543	123	736	167	421	96	2138	5			5472	761
D028	✓	530					85	0									85	0
	✓	610	147	0	75	0											222	0
	✓	951			428	0	341	0									769	0
D029	✓	535	135	0	268	0	330	0	1785	0	131	0	101	34			2750	34
D030	✓	530	5327	15													5327	15
D041	✓	610	1720	–													1720	–
	✓	FTA			16365	3764	64112	17968	72852	18729	109168	31603	1527	510			264024	72574
D042	✓	643									4715	234	5050	180			9765	414
D044	✓	611	689	76													689	76
	✓	643	283	51													283	51
D046	✓	530	10025	1166	4233	177	8841	1251	15789	1511	15377	1784	11774	899			66039	6788
D060	✓	611											84	1			84	1
	✓	643			25871	55			12314	3	25330	26	15036	1			78551	85
D061	✓	610	296	43													296	43
	✓	661	251	47													251	47
	✓	663	1075	135	349	102											1424	237
D062	✓	610	397	93													397	93
D066	✓	643	1066	6													1066	6
TOTAL Page 1			23517	1794	49455	4310	78645	19342	103476	20410	155142	33743	35710	1630			445945	81229

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6577

MATERIALS DISCARDED TO PIT 4 — CASTING (Page 2)

DEPLETED

MTC	Source		FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U		Lbs Net Wt.	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D070	✓	550					2803	1144										2803	1144
D101	✓	534	67388	25221														67388	25221
	✓	915	140	42														140	42
D110	✓	550					312	134	93	40								405	174
	✓	620	27924	12033	17597	7583	20089	8657	30593	13183	35412	15259	36922	15911	①			168537	72626
	✓	625	70	30														70	30
	✓	627	562	242	390	168												952	410
	✓	642					185	80										185	80
D111	✓	550					956	419										956	419
D112	✓	550					775	332										775	332
D119	✓	FTA			632	258	41	17	633	259	866	353	1634	667				3806	1554
D132	✓	535	45170	14568														45170	14568
D134	✓	FTA	425	149														425	149
D135	✓	533	8748	2220														8748	2220
D219	✓	530			600	271												600	271
	✓	550			914	412												914	412
TOTAL	Page 2		150427	54505	20133	8692	25161	10783	31319	13482	36278	15612	38556	16518				301874	119652
TOTAL	CASTING		173944	56299	69588	13002	103806	36125	134795	33892	191420	49355	74266	18208				747819	200881

MATERIALS DISCARDED TO PIT

DEPLETED

MTC	Source	FY79 Lbs Net Wt	FY79 Kg U	FY80 Lbs Net Wt	FY80 Kg U	FY81 Lbs Net Wt	FY81 Kg U	FY82 Lbs Net Wt	FY82 Kg U	FY83 Lbs Net Wt	FY83 Kg U	FY84 Lbs Net Wt	FY84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D020	✓ 550							582	53							582	53
D021	✓ 550					112	-									112	0
D030	✓ 530			3263	5	6174	11	9043	21	8467	12	14855	11			41802	60
D044	✓ 643			4850	64	853	67	12829	196	7391	51	680	36			26603	414
	✓ 800			995	148											995	148
	✓ FTA					5641	281	10662	646	7173	614					23476	1541
D047	✓ 530									404	88					404	88
D062	✓ 610			175	39											175	39
D063	✓ 980											86	9			86	9
D065	✓ 530									1030	154	546	30			1576	184
D066	✓ 610					1106	16									1106	16
	✓ 643					516	6	1348	8	1835	12	1768	10			5467	36
D067	✓ FTA			14757	1425	12790	315	16593	823	39401	2548					83541	5111
D068	✓ FTA			8022	652	49194	4607	54055	5257	76057	7697					187328	18213
D101	✓ 534			55576	20769	73257	27094	145971	54903	157331	59727	139012	38215			571147	200708
	✓ 824									671	219					671	219
	✓ 900											320	99			320	99
	✓ 927							30	11							30	11
D122	822					628	242									628	242
TOTAL PAGE 1				87638	23102	150271	32639	251113	61918	299760	71122	157267	38410			946049	227192

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Materials Discarded to Pit 6 — Casting (Page 6)

DEPLETED

MTC	Source	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D132	√ 100			1499	502	651	207									2150	709
	√ 535			34495	10859	46759	14917	67599	22806	76044	26554	62470	20279			287367	95415
	√ 536											8236	39			8236	39
	√ 800					514	148									514	148
D134	√ FTA			867	586	17138	5723	14604	4824	27595	9100					60204	20233
D135	√ 533			4087	1041	17167	3586	23867	5996	20935	5156	18723	4461			84779	20240
D154	√ 822					3415	1302									3415	1302
TOTAL Page 2				40948	12988	85644	25883	106070	33626	124574	40810	89429	24779			446665	138086
TOTAL CASTING				128586	36090	235915	58522	357183	95544	424334	111932	246696	63189			1392714	365277

2269

Pit 4

PLANT 6 MACHINING

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1)

6577

FY79-84 (PITS 446) ACTUAL						FY66-78 (PIT 4) CALCULATED					
PROD (MTU)	MTC	Source	Net #	Kg	LL	PROD (MTU)	MTC	Source	Net #	Kg	LL
	D011	642	1180		1				1591		1
		645	9671		110				13042		148
		655	1213		–				1636		–
	D027	620	101		23				136		31
		655	1739		0				2345		0
		658	1754		2				2365		3
	D028	620	482		0				650		–
		650	136		0				183		–
	D029	650	34		9				46		12
	D041	613	378		–				510		–
		620	44906		8154				60560		10996
		642	17892		3023				24129		4077
		655	2010		362				2711		488
		660	301		–				406		–
	D044	642	31989		1896				43140		2557
	D060	642	43196		405				58254		546
	D061	660	25501		5004				34391		6748
	D062	665	354		12				477		16
	D069	655	384732		52732				518850		71114
		658	395446		53660				533298		72366
	D104	627	53		23				71		31
	D112	627	16527		7092				22288		9564
		632	622		267				839		360
	D131	645	3264		1194				4402		1610
TOTAL: 21902			983481		133969	29536			1326322		180671

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(1) BASED ON ACTUAL DISCARDS TO PITS 446 (FY 79-84)

NLO GEN. 020 / 0.15.561

MATERIALS DISCARDED TO PIT -1-

DEPLETED

MTC	Source	FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt.	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D011	642					51	-	1129	1							1180	1
	645					9671	110									9671	110
	655									1213	-					1213	-
D027	620	101	23													101	23
	655	691	0	396	0	492	0	160	0							1739	0
	658							188	0	543	0	1023	2			1754	2
D028	620	199	0	7	0	150	0	98	0			28	0			482	0
	650											136	0			136	0
D029	650											34	9			34	9
D041	613	378	-													378	-
	620	13005	2360	3258	591	5477	994	8305	1507	5030	913	① 9831	1789			44906	8154
	642	4779	738	454	70	3102	479	1222	189	4410	893	① 3925	654			17892	3023
	655			434	79	176	32	315	57	643	117	① 442	77			2010	362
	660							301	-							301	-
D044	642	3640	280													3640	280
D060	642	8204	18	5557	4	5226	2	12573	8	2708	-	8928	373			43196	405
D061	660	1718	322	2523	494	4034	709	4292	851	5333	930	7601	1698			25501	5004
D069	655	117111	15502													117111	15502
D104	627	53	23													53	23
D112	627					16527	7092									16527	7092
	632					622	267									622	267
D131	645					388	150	1430	156	2446	888					3264	1194
TOTAL:		149879	19269	12629	1238	45916	9835	29013	2769	22326	3741	31948	4602			291711	41451

I: MATERIALS DISCARDED TO FIT

DEPLETED

MTC	Source	FY79 Lbs Net Wt	FY79 Kg U	FY80 Lbs Net Wt	FY80 Kg U	FY81 Lbs Net Wt	FY81 Kg U	FY82 Lbs Net Wt	FY82 Kg U	FY83 Lbs Net Wt	FY83 Kg U	FY84 Lbs Net Wt	FY84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D044	642			2852	166	5529	366	7872	402	9076	519	3020	163			28349	1616
D062	665							354	12							354	12
D069	655			80352	10035	116364	17348	70905	9847							267621	37230
	658							95412	13223	136185	19718	163849	20119			395446	53660
TOTAL				83204	10261	121893	17714	174543	24084	145261	20237	166869	20282			691770	92518

22

6577

PIT 4

PLANT GENERAL

MATERIALS DISCARDED TO PIT 4 FY66 - FY78 (1)

6577

	FY79-84 (PITS 4+6) ACTUAL					FY66-78 (PIT 4) CALCULATED					
PROD (MTU)	MTC	Source	Net #	Kg U		PROD (MTU)	MTC	Source	Net #	Kg U	
	D003	732	108	0					118	—	
	D007	731	174	0					189	—	
	D011	300	444	3					483	3	
		732	2562	50					2788	54	
	D012	736	5671	54					6172	59	
	D032	762	36647	576					39887	627	
		F2A	18	3					20	3	
	D033	240	60359	870					65695	947	
		762	110972	1425					120782	1551	
	D038	732	490	65					533	71	
	D041	732	1028	29					1119	32	
	D043	122	189	1					206	1	
	D044	732	1383	108					1505	118	
	D046	766	6560	—					7140	—	
	D047	732	775	234					844	255	
	D048	763	117	—					127	—	
	D062	732	33	—					36	—	
	D067	765	765	11					833	12	
	D068	735	26624	468					28978	509	
	D069	817	27795	74					30252	81	
	D075	D2A	5945	2427					6471	2642	
	D082	732	2377	816					2587	888	
	D110	732	1063	434					1157	472	
	D154	732	119	45					130	49	
TOTAL:	74043		292218	7693		80586			318050	8373	
25%	18511		73055	1923		20146			79513	2093	

1.0884

23

(1) BASED ON ACTUAL DISCARDS TO PITS 4+6 (FY79-84)

NLO GEN. 960 (9.15.56)

MATERIALS DISCARDED TO PIT 7

GENE

DEPLETED

MTC	Source		FY 79 Lbs Net Wt	FY 79 Kg U	FY 80 Lbs Net Wt	FY 80 Kg U	FY 81 Lbs Net Wt	FY 81 Kg U	FY 82 Lbs Net Wt	FY 82 Kg U	FY 83 Lbs Net Wt	FY 83 Kg U	FY 84 Lbs Net Wt	FY 84 Kg U	Lbs Net Wt.	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D003	√	732									108	0					108	0
D011		300											444	3			444	3
	√	732	355	6	271	5	178	3	608	13	472	16	678	7			2562	50
D033	√	240									32145	451	28214	419			60359	870
	√	762			16761	257	50066	497	44145	671							110972	1425
D041	√	732			1028	29											1028	29
D043	√	122			189	1											189	1
D044	√	732	150	1													150	1
D046	√	766					6560	-									6560	-
D047	√	732	192	54													192	54
D048	√	763	117	-													117	-
D068	√	735	5624	104													5624	104
D075	√	D2A									5945	2427					5945	2427
D110	√	732	110	45			410	167	233	95	310	127					1063	434
TOTAL:			6548	210	18249	292	57214	667	44986	779	38980	3021	29336	429			195313	5398
25% of total			1637	52.5	4562.25	73.0	14303.5	166.75	11246.5	194.75	9745.0	755	7334.0	107.25			48828.25	1349.5

MATERIALS DISCARDED TO [illegible]

DEPLETED

MTC	Source	FY79 Lbs Net Wt	FY79 Kg U	FY80 Lbs Net Wt	FY80 Kg U	FY81 Lbs Net Wt	FY81 Kg U	FY82 Lbs Net Wt	FY82 Kg U	FY83 Lbs Net Wt	FY83 Kg U	FY84 Lbs Net Wt	FY84 Kg U	Lbs Net Wt	Kg U	TOTAL Lbs Net Wt	TOTAL Kg U
D007	✓ 731					174	0									174	0
D012	✓ 736							5671	54							5671	54
D032	✓ 762			13910	184	22737	392									36647	576
	✓ FLA			18	3											18	3
D038	✓ 732			392	65					98	—					490	65
D044	✓ 732			583	4					650	103					1233	107
D047	✓ 732			77	15	120	40	177	60	101	29	108	36			583	180
D062	✓ 732							33	—							33	—
D067	✓ 765			765	11											765	11
D068	✓ 735			5347	71	5180	98	5137	74	2282	21	3054	100			21000	364
D069	✓ 817					27795	74									27795	74
D082	✓ 732							2377	816							2377	816
D154	732					106	40	13	5							119	45
TOTAL				21092	353	56112	644	13408	1009	3131	153	3162	136			96905	2295
25% of TOTAL				5273	88.25	14028	161.0	3352	252.25	782.75	38.25	790.5	34.0			24226.25	573.75

6577