Appendix D

Section 5 Supplemental Information

Section 5 Supplemental Information

Table 5.1.1 Current Inventory of Hanford In-Scope Uranium

Fluor (HTA) Inventory as of March 31, 1999

HANFORD LOCATION	MT	COEI	DESCRIPTION COEI	# ITEMS	Grams U Elem. Wt.	MTU Subtotals	^{235}U%
UO3 Plant - uranium conversion	10	771	Samples and standards	1	607,000		0.275
			location subtotal	**1**	**607,000**	***0.607***	
Process control laboratory - 222S	10	771	Samples and standards	1	167		0.700
			location subtotal		**167**	***0.000***	
3712, Scrap in Drum Storage	10	A18	Uranium clad metal recastable after hydrofluoric and nitrate	2	303,583		0.210
			location subtotal		**303,583**	***0.304***	
MTU Depleted U Subtotal						***0.91***	
3712S Billet Storage	20	254	Unalloyed Finish Machined Items Product	129	24,021,340		1.250
			location subtotal		**24,021,340**	***24.021***	
UO3 Plant - uranium conversion	20	455	Other oxides product	1	4,491		0.807
UO3 Plant - uranium conversion	20	455	Other oxides product	1	8,255		0.827
UO3 Plant - uranium conversion	20	455	Other oxides product	4	13,563		0.828
UO3 Plant - uranium conversion	20	455	Other oxides product	10	46,300,099		0.842
UO3 Plant - uranium conversion	20	455	Other oxides product	42	45,853,335		0.845
UO3 Plant - uranium conversion	20	455	Other oxides product	10	45,845,907		0.850
UO3 Plant - uranium conversion	20	455	Other oxides product	10	44,900,257		0.852
UO3 Plant - uranium conversion	20	455	Other oxides product	10	46,022,949		0.858
UO3 Plant - uranium conversion	20	455	Other oxides product	10	45,856,140		0.869
UO3 Plant - uranium conversion	20	455	Other oxides product	10	46,002,479		0.870
UO3 Plant - uranium conversion	20	455	Other oxides product	10	45,846,755		0.883
UO3 Plant - uranium conversion	20	455	Other oxides product	10	43,228,833		0.892
UO3 Plant - uranium conversion	20	455	Other oxides product	10	46,066,735		0.896
UO3 Plant - uranium conversion	20	455	Other oxides product	10	44,367,244		0.910
UO3 Plant - uranium conversion	20	455	Other oxides product	2	11,249		0.914
UO3 Plant - uranium conversion	20	455	Other oxides product	10	46,012,506		0.923
UO3 Plant - uranium conversion	20	455	Other oxides product	10	45,711,419		0.928

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HANFORD LOCATION	MT	COEI	DESCRIPTION COEI	# ITEMS	Grams U Elem. Wt.	MTU Subtotals	^{235}U%
UO3 Plant - uranium conversion	20	455	Other oxides product	9	29,590,740		0.938
UO3 Plant - uranium conversion	20	455	Other oxides product	10	45,588,547		0.945
UO3 Plant - uranium conversion	20	771	Samples and standards	5	984,727		0.845
UO3 Plant - uranium conversion	20	771	Samples and standards	4	221,456		0.920
			location subtotal		**668,437,686**	***668.438***	
303A, Fuel Assembly Rtnd. from N	20	257	Canned and Clad Items Product	145	113,684,170		0.950
303B, Billet Storage	20	257	Canned and Clad Items Product	18	10,030,721		0.950
303B, Billet Storage	20	257	Canned and Clad Items Product	72	39,192,209		1.150
303G, Billet Storage	20	254	Unalloyed Finish Machined Items Product	1126	209,584,186		1.250
			location subtotal		**372,491,286**	***372.491***	
3712, Assembly Storage	20	257	Canned and Clad Items Product	628	488,194,369		0.950
3712, Assembly Storage	20	257	Canned and Clad Items Product	6	3,588,949		0.980
3712, Assembly Storage	20	257	Canned and Clad Items Product	6	3,551,564		1.050
3712, Assembly Storage	20	257	Canned and Clad Items Product	5	2,635,634		1.080
3712, Assembly Storage	20	257	Canned and Clad Items Product	178	94,503,268		1.150
3712, Scrap in Drum Storage	20	780	Alloyed Archive &/or Retained Sample Items	4	1,106,623		0.950
3712, Scrap in Drum Storage	20	780	Alloyed Archive &/or Retained Sample Items	2	407,369		1.250
3712, Scrap in Drum Storage	20	A18	Uranium clad metal recastable after hydrofluoric and nitrate	1	13,286		0.720
3712, Scrap in Drum Storage	20	A18	Uranium clad metal recastable after hydrofluoric and nitrate	2	390,872		0.950
			location subtotal		**594,391,934**	***594.392***	
3716, Inner/Outer Unfin. Elmt. Stg.	20	256	In Canning & Cladding Process	299	113,372,011		0.950
3716, Inner/Outer Unfin. Elmt. Stg.	20	256	In Canning & Cladding Process	55	14,634,186		1.250
			location subtotal		**128,006,197**	***128.006***	

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Table 5.1.1 Current Inventory of Hanford In-Scope Uranium

Fluor (HTA) Inventory as of March 31, 1999

HANFORD LOCATION	MT	COEI	DESCRIPTION COEI	# ITEMS	Grams U Elem. Wt.	MTU Subtotals	^{235}U%
MTU Low Enriched U Subtotal						***1,787.348***	
UO3 Plant - uranium conversion	81	771	Samples and standards	1	**733**	***0.001***	0.000
303A, Fuel Assembly Rtnd. from N	81	257	Canned and Clad Items Product	10	**8,425,890**	***8.426***	0.000
303B, Billet Storage	81	257	Canned and Clad Items Product	6	**2,903,375**	***2.903***	0.000
3712, Assembly Storage	81	257	Canned and Clad Items Product	67	53,871,446		0.000
3712, Scrap in Drum Storage	81	780	Alloyed Archive &/or Retained Sample Items	3	440,526		0.000
3712, Scrap in Drum Storage	81	A18	Uranium clad metal recastable after hydrofluoric and nitrate	1	13,082		0.000
3716, Inner/Outer Unfin. Elmt. Stg.	81	256	In Canning & Cladding Process	24	8,672,340		0.000
			location subtotal		**62,997,394**	***62.997***	
					MTU Normal U Subtotal	***74.3***	
					Hanford In-Scope MTU Total - All U Types	***1,862.6***	
					Hanford Out-of-Scope MTU Total - All U Types	***2,137.4***	
					Hanford March 30, 1999 Total U Inv. - All Types	***3999.986***	

Table 5.1.2 Pacific Northwest National Laboratory (PNNL) Recycled Uranium Inventory as of March 31, 1999

Uranium Type	# of Items	Isotopic Weight	U Elem. Weight	Units
Depleted Uranium	18	10	4,940	Kilograms
Normal Uranium	18	Not Applicable	50	Kilograms
Enriched Uranium	194	48	1,446	Kilograms
PNNL Total	**230**	**58**	**6,436**	**Kilograms**