PUREX PLANT VESSEL SCHEDULE
URANIUM-PLUTONIUM PROCESSING

Vessel	Function	Nominal Volume Gallons	Size
TK-A3,B3,C3	Dissolver	5,000	9'3" OD x 4'11" ID x 16'
TK-A3,B3,C3-4	NH_3 Scrub Waste	2,100	4'0" x 8'6" x 10'
TK-D1	Dissolver Rinse	5,000	10'0" x 9'3"
TK-D2	Coating Waste	5,000	10'0" x 9'3"
TK-D3,D4	Metal Solution	7,700	10'6" x 12'8" x 9'2"
TK-D5	Metal Solution	5,000	10'0" x 9'3"
TK-E1	Centrifuge Product	1,700	7'0" x 6'9"
G-E2	Coating Waste Centrifuge	180	48"
TK-E3	Centrifuge Feed	5,000	10'0" x 9'3"
TK-E3-2	NH_3 Scrub Waste	215	3'2" x 4'6"
G-E4	Coating Waste Centrifuge	180	48"
TK-E5	Centrifuge Waste	5,000	10'0" x 9'3"
TK-E6	HAF Makeup	5,000	10'0" x 9'3"
TK-F3	AAA	5,000	10'0" x 9'3"
T-F5	Acid Absorber	300	10' OD x 9'3" - 3-1/2' OD x 17-1/2'
E-F6	1WW Concentrator	2,200	Two 4'5" barrels x 12' and One 2'6" barrel x 12'
TK-F7	1WF	3,800	6'9" x 10'6" x 9'2"
TK-F8	Waste Rework	5,000	10'0" x 9'3"
TK-F10	3WF Decanter	5,000	10'0" x 9'3"
E-F11	Concentrator (Utility)	2,500	Two 4'5" barrels x 12' and One 2'6" barrel x 12'
TK-F12	E-F11 Feed	5,000	10'0" x 9'3"
TK-F13	Rework Storage	5,000	10'0" x 9'3"
TK-F14	Utility	400	4'0" x 5'0"
TK-F15	1WW Denitration	5,000	10'0" x 9'3"
TK-F16	1WW Denitration	5,000	10'0" x 9'3"
TK-F17	Tube Bundle Flush	1,200	4'2" x 12'0"
TK-F18	Utility Waste	5,000	10'0" x 9'3"
TK-F26	1WW Receiver	3,600	6'9" x 10'6" x 9'2"
TK-G1	1OF	5,000	10'0" x 9'3"
T-G2	1O Column	2,000	34" Dia. x 32'
TK-G2	1OS	1,900	7'0" x 6'9"
TK-G5	1OO	15,000	10'6" x 16' x 14'
TK-G6	1OD Decanter	450	4' x 5'
TK-G7	Turbomixer	15,000	10'6" x 16' x 14'
TK-G8	1OW	5,000	10'0" x 9'3"
TK-H1	HAF	5,000	10'0" x 9'3"
T-H2	HA Column	1,850	26" Dia. x 40'
T-H3	HS Column	1,770	34" Dia. x 26'
E-H4	3WB Concentrator	2,700	Two 4'5" barrels x 12' and One 2'6" barrel x 12'
TK-J1	3WB	5,000	10'0" x 9'3"
TK-J2	1BSU	1,340	4'2" x 14'0"
TK-J3	1BXF	5,000	10'0" x 9'3"
TK-J5	2AF	370	8'6" OD x 8'0" ID x 8'11"
T-J6	1BX Column	1,600	32" Dia. x 33'
T-J7	1C Column	1,770	34" Dia. x 26'
E-J8	1CU Concentrator	3,700	Two 4'7" barrels x 10' and One 2'6" barrel x 14'
T-J4	1BS Column	130	8" x 14' Dia.
TK-J21	2NF	320	4'5" OD x 3'11" ID x 14'8"
T-J22	2N Column	150	7" Dia. x 38'
T-J23	2P Column	100	7" Dia. x 24'
TK-K1	2DF	5,000	10'0" x 9'3"
T-K2	2D Column	1,370	24" Dia. x 16' - 32" Dia. x 16'
T-K3	2E Column	1,770	34" Dia. x 26'
E-K4	2EU Concentrator	3,700	Two 4'7" barrels x 14' and One 2'6" barrel x 14'
TK-K5	2UC Receiver	5,000	10'0" x 9'3"
TK-K6	UNH Product	5,000	10'0" x 9'3"
T-L1	2A Column	130	7" Dia. x 40'
T-L2	2B Column	90	7" Dia. x 30'
TK-L3	3AF	120	34" OD x 30" ID x 12'
T-L4	3A Column	40	3-1/2"ID x 34'
T-L5	3B Column	30	3-1/2" ID x 22'
T-L6	Product Stripper	10	Two barrels 4" x 8', 3" Tower
E-L7-1	Product Concentrator	10	Two barrels 4" x 8', 3" Tower
TK-L8	Product Receiver	10	Two barrels 4" x 8'

Vessel	Function	Nominal Volume Gallons	Size
TK-L9	Pu Product Sampler	11	Three barrels 5" Dia. x 38"
TK-L10	Pu Product Sampler	14	6" Dia. x 10'
TK-L11	Pu Recycle	25	Three 4" Dia. barrels x 12'
TK-L13	Pu Loadout	2.4	6" x 21"
TK-M1		4,100	7'0" x 14'0"
TK-M2		1,800	5'0" x 14'0"
TK-N1	XAF Receiver	64	2-5/8" x 8' x 5'
T-N2	XA Column	10	5" Dia. x 10'
	Downcomer	4	3" Dia. x 10'
T-N3	XC Column	8	5" Dia. x 8'
	Resin Reservoir	7	4" Dia. x 10'
E-N6	ACP Concentrator	8.7	Two barrels 4.2" Dia. x 7'8"
TK-N7	XPC Receiver	10	Two barrels 4.3" Dia. x 5'3"
TK-N20	N Cell Vent Drain Tank	4	4" Dia. x 6'
TK-R1	20F	5,000	10' x 9'3"
T-R2	20 Column	2,000	34" Dia. x 32'
TK-R2	20S	1,900	8' x 7'9"
TK-R5	Utility	9,000	10' x 14'
TK-R6	Utility Decanter	430	4' x 5'10"
TK-R7	200	9,000	10' x 14'
TK-R8	20W	5,000	10' x 9'3"
TK-U1	Recovered Acid	14,000	10'6" x 16' x 14'
TK-U2	Recovered Acid	14,000	10'6" x 16' x 14'
TK-U5	Fractionator Feed	9,000	10' x 14'
T-U6	Fractionator	1,750	8' x 32'
SA	A Cell Sump	45	24" x 24" x 18"
SB	B Cell Sump	45	24" x 24" x 18"
SC	C Cell Sump	45	24" x 24" x 18"
SD	D Cell Sump	45	24" x 24" x 18"
SE	E Cell Sump	30	24" x 24" x 18" (Filled with 1" Boron Raschig Rings)
SFA	F Cell Sump	45	24" x 24" x 18"
SFB	F Cell Sump	45	24" x 24" x 18"
SG	G Cell Sump	45	24" x 24" x 18"
SH	T-H2 Sump	2,600	9'0" x 6'9" x 4'11"
SJ	J Cell Sump	60	30" x 24" x 18"
SJ-2	J Cell Package Sump	2,700	9'9" x 8'2" x 5'
SK	K Cell Sump	60	30" x 24" x 18"
SLB	TK-L13 Sump	0	2'2" x 2' x 2"
SLD	TK-L11 Sump	1" = 4.5	8'2" x 18" x 1" (Slope 1" in 8') 1" o'flow
SLE	TK-L9 Sump	0	16" x 19' (Slope 2-1/4" in 19')
SLF	TK-L10 Sump	0	16" x 19' (Slope 2-1/4" in 19')
SLK old	TK-K6, T-L1 Sump	10	1-1/2" x 8" x 26', Then canyon floor
SLL SLA	T-I2, Package Sump	1" ≈ 160	32' x 14' Canyon floor (Slope 7/8" in 7')
SN	N Cell Sump	1.9" ≈ 60	4' x 13' x 1.9"
SNA	TK-N1 Sump	3" ≈ 56	3' x 10' x 3" overflow