SHIPPING AND STORAGE CONTAINER ARRAYS

Container	Matl.	Conc. or Moder.	Quantity	ONSITE No. in Array Store	ONSITE No. in Array Trans*	ONSITE Other Restrictions	OFFSITE Transport Index# Class II	OFFSITE Transport Index# Class III or No.	OFFSITE Other Restrictions
LLD-1,KKD-1, 16x16x25 Birdcage, DOT SP4960	^{235}U	Metal(1)	7.0Kg	50	50		1.3	1.0	(1)Can be Pu-U alloys
	^{235}U	Any	20.0Kg	50	50		None	1.0	
	Pu	Metal(1)	7.0Kg(2)	50	50		1.3	1.0	(2)Using "British Nut"
	Pu	Metal(3)	4.5Kg	100	50		1.3	1.0	(3)Can be oxides
L-3(4) (3 Liter Dow 55 Gal. Drum Birdcages), DOT SP5330	^{235}U	Any	5.0Kg	200	50	1 tier	0.4	200	(4)<6M HNO_3, 30 day limit on bottle
	$Pu(NO_3)_4$	250g/l	3.3 l	200	50	"	0.3	200	
	PuO_2(5)	3.77g/cc	5.0Kg	200	50	"	0.4	200	(5)$^{240}Pu \leq 5.0$ wt% or Mixed Pu-U oxides
	^{233}U(6)	375g/l	3.0 l	124	50	"			(6)Aqueous solution
L-3(7) ORNL foam glass, DOT SP5795	$Pu(NO_3)_4$	Any	2.35Kg	200	50	"	0.1		(7)For other oxide Mass limits see DOT special permit appendix
	^{235}U(6)	Any	2.35Kg	200	50	"	0.1		
	^{233}U(6)	Any	1.58Kg	200	50	"	0.1		
			2.06Kg		50	"	0.2		
L-10, DOT SP5061	^{235}UNH(10)	350g/l(8)	10.5 l	200	50	"	1.5	68	(8)$\leq$ 1.0 wt% ^{233}U and Pu
		250g/l(9)	10.5 l	200	50	"	1.5	68	(9)$\leq$ 20 wt% ^{233}U and 1.0 wt% Pu
	$Pu(NO_3)_4$	$\leq$ 250g/l	10.5 l	200	50	"	1.5	68	
	Any(10)	Dry	4.5Kg			"	0.5	200	
	$Pu(NO_3)_4$	$\leq$ 450g/l	4.5Kg	200	50	"	(not permitted)		(10)Pu-U compounds or mixes.
Approved DOT Cont.	As allowed	As allowed	As allowed	100TI@	50TI@		50TI	100TI	To receive, transport and store onsite

* ARH-145, 86.2 Transportation by Motor Truck.

\# Set for Criticality Safety, Radiation Dose Rates may dictate a higher number.

@ TI is Transport Index or Transport Units.

SHIPPING & STORAGE ARRAY ONSITE ONLY

Container	Matl.	Conc. or Moder.	Quantity	No. in Array Store	No. in Array Trans*	Other Restrictions
LLD-1, KKD-1,	^{235}U		(as allowed in DOT special permits)			
M-101, M-102,	Pu		(as allowed in DOT special permits)			
Type A & B	Pu	H/Pu $\leq$ 2	7.0Kg(1)	50	50	(1)Using British Nut
Birdcages	Pu	H/Pu $\leq$ 2	4.5Kg	100	50	
	Pu	H/Pu $\leq$ 20	2.5Kg	100	50	
10-L Storage,	Pu	450g/l	4.5Kg	200	50	1 tier
PR and SN	^{235}U	450g/l	4.5Kg	200	50	1 tier
3-L Storage	^{233}U	450g/l	1.4Kg	No limit	No limit	1 tier
(Concrete filled)	Pu	450g/l	1.4Kg	No limit	No limit	1 tier
1 cubic foot (lard cans)	Pu	H/Pu $\leq$ 20	400g	2 wide(2) 4 high	2 high(3)	(2)3 ft between rows (3)In Z Plant Truck
Waste Cartons	Pu		400 to 250g	Single row 1 high(4)	Same(4)	(4)3 ft between rows single tier
Waste Cartons	Pu		250 to 100g	Single row 2 high(5)	1 tier(6)	(5)or no limit on one tier array
Waste Cartons	Pu		$\leq$100g	No limit	3 tiers(6)	(6)to dimensions of truck
55 Gal. Drum or any Cont.	Pu		$\leq$15g	No limit	No limit	

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