EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS

Line 1 S01 Container Storage

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-3:			
Container storage area	2,000	TBD	TA-3-29, Wing 9, Basement
Container storage area	16,500	TBD	TA-3-29, Wing 9, Basement
TA-16:			
Container storage area	275	16-012(a2)	TA-16-88
TA-21:			
Container storage area	5,500	TBD	TA-21-61
TA-33:			
* Container storage area	2,000	33-013	TA-33-90
* Container storage area	1,300	33-013	TA-33-92
TA-50:			
Container storage area	220	50-007	TA-50-37-115
† Container storage area	3,630	50-007	TA-50-37-117
Container storage area	18,000	50-007	TA-50-37-118
Container storage area	825	50-003(a)	TA-50-1-60D
† Container storage area (storage shed)	990	50-003(d)	TA-50-114
Container storage area	30,000	TBD	TA-50-69 (outside)
* Container storage area	1,500	50-008	TA-50-69 (inside)
TA-54:			
Container storage pad	100,000	54-001(a)	Area L
Container storage area	50,000	TBD	Area L
Gas cylinder storage area	300	54-002	Area L

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EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
Gas cylinder storage area	2,500	TBD	Area L
Retrievable storage shaft No. 36	300	54-014(a)	Area L
Retrievable storage shaft No. 37	300	54-014(b)	Area L
Retrievable storage shaft (planned for construction)	300	TBD	Area L
Container storage area (holding shed)	11,000	54-015(a)	Area G, TA-54-8
Retrievable storage pad No. 1	1,940,000	54-015(c)	Area G
Retrievable storage pad No. 2	1,940,000	54-015(d)	Area G
Retrievable storage pad No. 4	1,940,000	54-015(f)	Area G
Dome storage unit (pad No. 3)	180,000	54-015(e)	Area G, TA-54-48
Dome storage unit	180,000	54-015(j)	Area G, TA-54-49
Dome storage unit (Waste Preparation Facility)	33,000	TBD	Area G, TA-54-33
Container storage pads over pit No. 30	400,000	TBD	Area G
Container storage pad over pit No. 33	300,000	TBD	Area G, near TA-54-49
Retrievable storage shaft No. 145	2,475	54-020	Area G
Retrievable storage shaft No. 146	2,475	54-020	Area G
Retrievable storage shaft No. 147	2,475	54-020	Area G
Retrievable storage shaft No. 148	2,475	54-020	Area G
Retrievable storage shaft No. 149	2,475	54-020	Area G
Retrievable storage shafts (60 shafts planned for construction)	197,400	TBD	Area G

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-55:			
Container storage area for evaporator salt precipitate	50	55-004	TA-55-4
Container storage in vault	1,100	TBD	TA-55-4, Basement
Container storage areas for TRU mixed waste (3)	27,500	TBD	TA-55-4, Basement
Container storage area for oversized TRU mixed waste	3,400	TBD	TA-55-4, Basement
Container storage area for low-level mixed waste	3,400	TBD	TA-55-4, Basement
Container storage pad	135,000	TBD	Near TA-55-4
TOTAL S01	**7,540,665**		

Line 2 S02 Tank Storage

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-50:			
2 waste feed tanks for incinerator	310	50-007	TA-50-37-115
TA-55:			
13 waste storage tanks for evaporator bottoms solution	410	55-004, 55-001	TA-55-4
TOTAL S02	**720**		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 3 S04 Storage - Surface Impoundment

Description	Capacity (gal)	SWMU No.	Associated Structure No./Area
TA-53:			
Surface impoundment (South)	2,580,000	53-002(b)	TA-53-166
Surface impoundment (Northwest)	1,629,144	53-002(a)	TA-53-166
Surface impoundment (Northeast)	1,629,144	53-002(a)	TA-53-166
TOTAL S04	**5,838,288**		

Line 4 T03 Treatment - Incinerator

Description	Capacity (BTU/hr)	SWMU No.	Associated Structure No./Area
TA-50:			
† Incinerator	1.5×10^8	50-007	TA-50-37
TOTAL T03	1.5×10^8		

Line 5 T04 Treatment - Waste Detonation

Description	Capacity (pounds of waste for detonation)	SWMU No.	Associated Structure No./Area
TA-15:			
† Waste detonation site (PHERMEX Facility)	100	15-003	TA-15-184
TA-36:			
† Waste detonation site (MINIE)	500	36-004(c)	TA-36-8
TOTAL T04	600		

EXPLANATION OF PROCESS CODE LISTINGS AND DESIGN CAPACITY FOR MIXED WASTE UNITS/SUBUNITS (Continued)

Line 6 T04 Treatment - Solidification

Description	Capacity (gal/day)	SWMU No.	Associated Structure No./Area
TA-50:			
Cementing process	660	50-001(a)	TA-50-1-60A
TA-55:			
Cementing process	110	55-001	TA-55-4
TOTAL T04	770		

Line 7 T04 Treatment - Other

Description	Capacity (lbs/hr)	SWMU No.	Associated Structure No./Area
TA-55:			
Oxygen sparging furnace for pyrophoric salt	0.26	TBD	TA-55-4
TOTAL T04	0.26		

Explanation of Symbols

* Unit to be closed under interim status.

† Unit is permitted on the RCRA Hazardous Waste permit. Inclusion in this Part A Application indicates mixed waste treatment or storage at the unit as well.

TBD - To be determined.