Atlantic Richfield Hanford Company
Richland, Washington 99352

ARH-CD-702 A

PRODUCTION AND WASTE MANAGEMENT DIVISION
WASTE STATUS SUMMARY
JANUARY 1, 1976 THROUGH MARCH 31, 1976

J. D. Anderson

May 26, 1976

PREPARED FOR THE U.S. ENERGY RESEARCH AND DEVELOPMENT
ADMINISTRATION UNDER CONTRACT E (45-1) 2130

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PRODUCTION AND WASTE MANAGEMENT DIVISION
WASTE STATUS SUMMARY
JANUARY 1, 1976 THROUGH MARCH 31, 1976

J. D. Anderson
Waste Handling and Plutonium Finishing Process Engineering
Engineering Department

May 26, 1976

Operated for the Energy Research and Development Administration
by Atlantic Richfield Hanford Company under Contract E(45-1)-2130

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SUMMARY FOR QUARTER ENDING March 31 19 76

WASTE RECEIVED				
FROM	TO	TYPE WASTE	GALLONS	
			Aging	Non-Aging
B Plant	TK-102-AX	Sluicing		140,000
B Plant	TK-104-BX	IX		410,000
B Plant	TK-106-C	BL		581,000
Purex	TK-104-C	PL		20,000
300 Area	TK-107-U	BNW		123,000
T Plant	TK-107-U	DW		115,000
222-S	TK-107-U	LW		30,000
234-5 Z	TK-118-TX	Pu Waste		48,000
Catch Tanks	Various	Low Level		265,000
Water	Various	Flush & Pit Water		1,600,000
TOTAL				3,332,000

WASTE EVAPORATED			
FACILITY	GALLONS Waste Volume Reduction		
	QUARTER ENDING 12/31/75	QUARTER ENDING 3/31/76	
242-T Evaporator	490,000	324,000	
242-S Evaporator-Crystallizer	2,505,000	2,725,000	
TOTAL	2,995,000	3,049,000	

WASTE INVENTORY		
	QUARTER ENDING 12/31/75	QUARTER ENDING 3/31/76
<u>Aging Waste</u>		
GALLONS OF SUPERNATANT	916,000	916,000
GALLONS OF SOLIDS	52,000	52,000
TOTAL STORAGE RESERVE (MOLES OF Na)	0	0
<u>NON-Aging Waste</u>		
GALLONS OF SUPERNATANT	22,523,000	20,704,000
GALLONS OF SOLIDS	29,148,000	29,506,000 (1)
AVAILABLE USEFUL STORAGE RESERVE (GALLONS)	9,475,000	5,947,000

(1) Includes 426,000-gallon increase in the solids in the bottoms tanks and a loss of 68,000 gallons in other tanks as a result of more recent measurements.

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OVERALL STATUS OF WASTE FARMS ON March 31 1976

TYPE OF WASTE*		GAL. IN STORAGE	Gal. of Available Space	TOTAL GALLONS
PUREX		46,000	0	46,000
REDOX		48,000	0	48,000
B PLANT(HIGH LEVEL)		3,154,000	1,174,000	4,328,000
B PLANT (LOW LEVEL)		353,000	256,000	609,000
ION EXCHANGE (PUREX SUPERNATANT)		1,318,000	1,035,000	2,353,000
ION EXCHANGE (REDOX SUPERNATANT)		78,000	0	78,000
COATING	EAST	173,000	0	173,000
	WEST	157,000	429,000	586,000
LW, N, BNW AND SSW	EAST	112,000	0	112,000
	WEST	268,000	0	268,000
OWW	EAST	122,000	0	122,000
	WEST	38,000	0	38,000
TL	EAST	0	0	0
	WEST	1,257,000	0	1,257,000
DW	East	11,000	0	11,000
	West	206,000	0	206,000
SECOND CYCLE & 224	East	56,000	0	56,000
	West	132,000	0	132,000
PSS	EAST	697,000	0	697,000
TBP	East	1,000	0	1,000
	West	2,000	0	2,000
EVAPORATOR BOTTOMS	EAST	4,209,000	2,422,000	6,631,000
	WEST	9,182,000	631,000	9,813,000
SOLIDS	EAST	10,252,000	---	10,252,000
	WEST	19,306,000	---	19,306,000
UNAVAILABLE FREE SPACE			(39,555,000)	(39,555,000)
			(45,502,000) (1)	(96,680,000) (1)
TOTAL		51,178,000	5,947,000	57,125,000

* SEE PAGE 9 FOR CODE. (1) Includes unavailable free space

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DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE*	CAP.	GALLONS			RESERVE		REMARKS
			TOTAL	LIQUID	SOLIDS	GAL.	TYPE WASTE	
B FARM								
101	---	530	103	0	103	427	U	Removed from service.
102	EB-BL-1X	530	43	6-1-1	35	487	EB	Interstitial Liquid Storage (2).
103	224-IX-EB-BL	530	491	17-146-247-13	68	39	U	179 from 102-B, 4 from 109-B, 10 water
104	---	530	400	0	400	130	U	Salt filled.
105	---	530	293	0	293	237	U	Salt filled.
106	224-BNW-(3)	530	142	3-6-6-1-1	125	388	EB	
107	---	530	194	0	194	336	U	Removed from service.
108	EB	530	156	44	112	374	EB	
109	224-IX-EB	530	260	1-7-135	117	270	U	4 to 103B, 102 from 107-S, 28 water
110	---	530	282	0	282	248	U	Removed from service. 2 to 102-B
111	IX	530	249	3	246	281	IX	
112	EB	530	329	294	35	201	EB	ITS Bottoms and Recycle. (1)
TOTAL		6360	2942	932	2010			
201	---	55	29	0	29	26	U	Removed from service.
202	224	55	53	26	27	2	U	
203	224	55	50	6	44	5	U	
204	224	55	49	3	46	6	U	Removed from service.
TOTAL		220	181	35	146			
C FARM								
101	P	530	92	30	62	438	U	Removed from service.
102	CW - OWW	530	431	25-74	332	99	U	Removed from service.
103	BNW-N-LW-(7)	530	274	1-4-1-(7)	73	256	BL	1 from 107-C, 27 from 108-C, 9 from 20 from Purex, 130 from 109-C, (6)
104	PL-B	530	362	13-114	235	168	U	102-A; 201 from 101-A, 477 from 106-C
105	PSS	530	381	242	139	149	U	234 from 104-AX, 483 to 106SX (4)
106	BL	530	329	223	106	201	U	581 from 15 water, 36 from 103AX (5)
107	BNW-N-LW-CW-DW-IX-EB	530	257	15-28-1-6 4-11-1	191	273	U	B Plant, 477 to 104-C
108	N-CW-DW-IX (8)	530	76	1-1-2-4-(8)	65	454	U	Removed from service. 1 to 103-C
109	---	530	62	0	62	468	U	Removed from service 27 to 103-C
110	CW-OWW-EB-RIX	530	233	9-10-1-2	211	297	U	Removed from service 9 to 103-C
111	CW	530	73	11	62	457	U	Removed from service 62 to 103-C
112	---	530	109	0	109	421	U	Removed from service 63 to 103-C
TOTAL		6360	2679	1032	1647			
201	SSW	55	4	4	0	51	U	Removed from service
202	SSW	55	2	2	0	53	U	Removed from service
203	SSW	55	8	5	3	47	U	Removed from service
204	SSW	55	44	44	0	11	U	
TOTAL		220	58	55	3			

* SEE PAGE 9 FOR CODE

(1) Due to the characteristics of solids in the bottoms tanks and the inability to measure them precisely, there is a significant degree of uncertainty in the liquid-to-solid ratio of the B, BX, and BY Farm tanks.

(2) 179 to 103-B, 2 from 110-B

(3) EB-BL-IX

(4) 322 to 102-U, 173 to 106-U

(5) 384 to B Plant. (6) 62 from 110-C, 63 from 111-U, 3 from 112-C. (7) CW-DW-IX-TBP-R-OWW-RIX-EB. 121-5-12-1-7-37-9-3. (8) R-OWW 2-1

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DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE*	GALLONS				RESERVE		REMARKS
		CAP.	IN STORAGE			GAL.	TYPE WASTE	
			TOTAL	LIQUID	SOLIDS			
BX FARM								
101	BL-IX	530	46	1-2	43	484	U	Removed from service. 1 to 104-BX
102	---	530	40	0	40	490	None	Tank leaks; contains diatomaceous earth
103	IX	530	208	154	54	322	IX	358 from 104-BX, 322 to 110-SX
104	IX	530	351	286	65	179	IX	410 from B Plant
105	EB-IX	530	508	398-56	54	22	U	358 to 103-BX, 7 from 002 BXR
106	EB-IX-BL	530	277	217-30-4	26	253	IX	211 from 112-BY, 9 from 003 BXR
107	IX	530	472	96	376	58	U	46 from 112-BY
108	IX	530	15	2	13	515	None	Tank leaks /service.
109	IX	530	208	8	200	322	U	Phosphoric prototype, removed from
110	EB	530	499	250	249	31	U	ITS bottoms & recycle (1)
111	EB	530	510	294	216	20	U	ITS bottoms & recycle (1)
112	EB-IX	530	194	8-8	178	336	U	
TOTAL		6360	3328	1814	1514			
BY FARM								
101	EB	750	728	330	398	22	U	ITS bottoms & recycle (1)
102	EB	750	629	492	200	121	U	ITS bottoms & recycle (1)
103	---	750	461	0	461	289	None	Tank leaks, 5 to 109-BY
104	EB	750	717	248	469	33	U	ITS bottoms & recycle (1)
105	---	750	626	0	626	124	U	Removed from service (1), (2)
106	EB	750	681	330	351	69	U	ITS bottoms & recycle (1)
107	---	750	367	0	367	383	U	Removed from service (1), 12 to 110BY
108	---	750	359	0	359	391	None	Tank leaks, 5 to 109-BY
109	EB	750	576	151	425	174	U	ITS feed receiving tank (1), 34 to 112-BY (3)
110	EB	750	684	388	296	66	U	ITS bottoms & recycle (1) 12 from
111	EB	750	670	371	299	80	U	ITS bottoms & recycle (1) 107-BY
112	EB	750	340	30	310	410	U	ITS bottoms & recycle (1) 46 to 106BX
TOTAL		9000	6838	2277	4561			311 to 105-BX, 34 from 109-BY

* SEE PAGE 9 FOR CODE

(1) Due to the characteristics of solids in bottoms tanks and the inability to measure them precisely, there is a significant degree of uncertainty in the liquid-to-solid ratio of the TX and U Farm tanks.

(2) 2 to 109-BY

(3) 5 from 103-BY, 5 from 108-BY, 2 from 105-BY

DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE*	GALLONS				RESERVE		REMARKS
		CAP.	IN STORAGE			GAL.	TYPE WASTE	
			TOTAL	LIQUID	SOLIDS			
T FARM				67-5-114-8- 43-29-9-2-				2 from 102T, 15 from 104T, 1 from 105T, 31 from 107T, 2 from 109T, 9 from 110T, 8 from 111T, 21 from 201T, 27 from 202T, 1 from 203T, 15 from CT-241-301-B
101	224-CW-IX- EB-BL-RIX-R	530	337	23	37	193	EB	1 from 204T.
102	IX DW-BNW	530	62	3	59	468	U	Removed from service.
103	---	530	35	0	35	495	U	Removed from service.
104	---	530	483	0	483	47	U	Salt Filled. 15 to 101-T
105	DW-BL-IX	530	114	1-3-9	101	416	U	Removed from service. 1 to 101-T
106	IX	530	26	2	24	504	None	Tank leaks.
107	IX	530	370	261	109	160	U	Removed from service. 31 to 101-T
108	---	530	35	0	35	495	U	Removed from service
109	BL-IX-BNW	530	147	1-1-3	142	383	U	Removed from service. 2 to 101-T
110	224	530	472	6	466	58	U	Removed from service. 9 to 101-T
111	---	530	488	0	488	42	U	Removed from service. 8 to 101-T
112	DW-CW-BL-IX	530	101	31-3-8-27	32	429	DW	
TOTAL		6360	2670	659	2011			
201	224	55	34	3	31	21	U	Removed from service. 21 to 101-T
202	---	55	25	0	25	30	U	Removed from service. 27 to 101-T
203	224	55	50	15	35	5	U	Removed from service. 1 to 101-T
204	224	55	49	5	44	6	U	Removed from service. 1 to 101-T
TOTAL		220	158	23	135			
U FARM								
101	R	530	59	19	40	471	None	Tank leaks.
102	EB	530	128	85	43	402	U	242-T bottoms & recycle (1) 322 from
103	EB	530	37	5	32	493	U	242-T bottoms & recycle (1) 104C (3)
104	---	530	125	0	125	405	None	Tank leaks; contains 441 to 111-U diatomaceous earth.
105	EB	530	505	473	32	25	U	242-T bottoms & recycle (1)
106	EB	530	403	377	26	127	U	173 from 104-C (5) 1475 to 111-U
107	DW-LW- N-BNW	530	428	172-43-28- 170	15	102	U	123 from BNW, 115 from T Plant, 30 from 222-S, 182 to 108-U
108	EB	530	508	308	200	22	U	242-S bottoms & recycle (2) 182 from
109	EB	530	505	249	256	25	U	242-S Bottoms & recycle (2) 102U
110	---	530	161	0	161	369	None	Tank Leaks
111	EB	530	499	473	26	31	U	242-S bottoms & recycle, 1475 from
112	---	530	51	0	51	479	U	Removed from service. 106U (4)
TOTAL		6360	3409	2402	1007			
201	CW	55	49	45	4	6	U	
202	CW	55	51	47	5	4	U	
203	CW	55	46	42	4	9	U	
204	2C-CW	55	51	35-15	1	4	U	
TOTAL		220	197	184	13			

* SEE PAGE 9 FOR CODE

(1) Due to the characteristics of solids in bottoms tanks and the inability to measure them precisely, there is a significant degree of uncertainty in the liquid-to-solid ratio of the TX and U Farm tanks. (2) Due to characteristics of solids in bottoms tanks and the inability to measure them precisely, there is a significant

(5) 242-S bottoms & recycle (2)

degree of uncertainty in the liquid-to-solid ratio of the S, SX, and U Farm tanks. (3) 595 to 111-U. (4) 595 from 102U, 441 from 103U,

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DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE*	CAP.	GALLONS			RESERVE		REMARKS
			TOTAL	IN STORAGE		GAL.	TYPE WASTE	
				LIQUID	SOLIDS			
TX FARM				19-36-3-3-1-2-27				
101	EB-BL-OWW-RIX-R-PL-B	750	164		73	586	U	466 to 118-TX, 24 from CT 302-B, 6 from TY 302-A, 162 from 102-TY
102	EB	750	719	525	194	31	U	(1) 10 water
103	EB	750	730	727	3	20	U	242-T bottoms & recycle (1)
104	EB	750	728	710	18	22	U	242-T bottoms & recycle (1)
105	EB	750	711	209	502	39	U	Salt filled. 6 water
106	EB	750	530	273	257	220	U	242-T bottoms & recycle (1)
107	EB	750	719	695	24	31	U	242-T bottoms & recycle (1)
108	EB	750	719	638	81	31	U	242-T bottoms & recycle (1)
109	EB	750	673	550	123	77	U	242-T bottoms & recycle (1)
110	EB	750	719	299	420	31	U	242-T bottoms & recycle (1)
111	EB	750	722	333	389	28	U	242-T bottoms & recycle (1)
112	EB	750	711	47	664	39	U	Salt filled
113	---	750	681	0	681	69	U	Removed from service. 29 to 115-TX
114	---	750	678	0	678	72	U	Removed from service. 23 to 115-TX
115	EB	750	684	44	640	66	U	Salt filled, 69 to 118-TX, 29 from
116	---	750	631	0	631	119	U	Salt filled, contains 113-TX (3) diatomaceous earth.
117	---	750	626	0	626	124	U	Salt filled, contains diatomaceous
118	EB	750	469	209	260	281	U	48 from 234-5 Z, 69 from 115-TX, earth.
TOTAL		13500	11614	5350	6264			466 from 101TX, 40 water, 364 evap.
TY FARM								
101	---	750	169	0	169	581	U	Removed from service
102	EB-BL-OWW (4)	750	312	193-16-31- (4)	29	438	EB	162 to 101-TX, 3 from 103-TY
103	---	750	219	0	219	531	None	Tank leaks. 3 to 102-TX
104	BL-OWW-RIX	750	40	3-4-4	29	710	U	Removed from service
105	---	750	285	0	285	465	None	Tank leaks.
106	---	750	18	0	18	732	None	Tank leaks, contains diatomaceous earth.
TOTAL		4500	1043	294	749			

* SEE PAGE 9 FOR CODE

(1) Due to the characteristics of solids in bottoms tanks and the inability to measure them precisely, there is a significant degree of uncertainty in the liquid-to-solid ratio of the TX and U Farm tanks.

(2) 563 from 111-TX

(3) 23 from 114-TX

(4) RIX-TBP-R

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DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE *	CAP.	GALLONS			RESERVE		REMARKS
			TOTAL	LIQUID	SOLIDS	GAL.	TYPE WASTE	
S FARM								
101	TL	750	717	385	332	33	U	242-S bottoms & recycle (1) 263 from 105-SX
102	EB	750	477	277	200	273	U	242-S feed tank (1), 2 to 107-S, (2)
103	EB	750	326	289	37	424	U	242-S bottoms & recycle (1)
104	---	750	299	0	299	451	U	Removed from service.
105	---	750	541	0	541	209	U	Salt filled.
106	EB	750	692	19	673	58	U	Salt filled.
107	TL	750	656	313	343	94	U	102 to 109-B
108	TL	750	728	22	706	22	U	Salt filled.
109	TL	750	725	72	653	25	U	Salt filled.
110	---	750	689	0	689	61	U	Salt filled.
111	---	750	750	0	750	0	U	Salt filled. 73 to 107-S
112	---	750	706	0	706	44	U	Salt filled.
TOTAL		9000	7306	1377	5929			
SX FARM								
101(NB)	TL	1000	931	465	466	69	U	242-S bottoms & recycle (1)
102(NB)	EB	1000	640	165	475	360	U	242-S bottoms & recycle(1) (4)
103(NB)	EB	1000	640	391	249	360	U	242-S bottoms & recycle (1)
104(NB)	EB	1000	664	101	563	336	U	174 to 242-S bottoms & recycle (1), 107-S
105	EB	1000	978	487	491	22	U	242-S bottoms & recycle (1) (3)
106(NB)	PL-B	1000	43	1-16	26	957	U	483 from 104-C, 774 to 102-S
107	---	1000	109	0	109	891	None	Tank leaks.
108	---	1000	87	0	87	913	None	Tank leaks.
109	---	1000	257	0	257	743	None	Tank leaks.
110	EB-IX-224-BNW	1000	95	4-57-1-1	32	905	U	322 from 103-BX, 778 to 102-SX, 23 from 241-302-B
111	---	1000	125	0	125	875	None	Tank leaks.
112	---	1000	106	0	106	894	None	Tank leaks.
113	---	1000	6	0	6	994	None	Tank leaks, contains diatomaceous earth.
114	---	1000	200	0	200	800	U	Removed from service.
115	---	1000	6	0	6	994	None	Tank leaks.
TOTAL		15000	4887	1689	3198			

- (1) Due to the characteristics of solids in the bottoms tanks and the inability to measure them precisely, there is a significant degree of uncertainty in the liquid-to-solid ratio of the S, SX, and U Farm tanks.
- (2) 99 from 107-S, 774 from 106-SX, 1485 water, 4210 evaporated
- (3) 263 to 101-S, 66 to 107-S
- (4) 778 from 110-SX

* SEE PAGE 9 FOR CODE

** NB- TANK NOT EQUIPPED FOR BOILING WASTE

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DATA IN 10³ GALLONS

STATUS OF WASTE FARMS

TANK	TYPE WASTE	CAP.	GALLONS			RESERVE		REMARKS
			IN STORAGE			GAL.	TYPE WASTE	
A FARM			TOTAL	LIQUID	SOLIDS			
101	Water	1000	6	5	1	994	BL	Sluicing 172 from 106A, 201 to 104C
102	B	1000	72	71	1	928	U	Sluicing (1)
103	PSS-B	1000	974	147-821	6	26	U	Sluicing completed in Sept. 1974 (2)
104	---	1000	25	0	25	975	None	Tank leaks.
105	IX	1000	50	17	33	950	None	Tank leaks
106	B	1000	820	729	91	180	B	Pumping to and receiving from 101-A
TOTAL		6000	1947	1790	157			for sluicing. 172 to 101A, 163 from 102A.
AX FARM								
101	Water	1000	28	20	8	972	U	Sluicing.
102	Water	1000	248	226	22	752	U	Sluicing. 140 from B Plant
103	---	1000	88	0	88	912	U	36 to 105C, 29 to 104AX
104	PSS	1000	352	308	44	648	U	234 to 105C, 29 from 103AX, 9 from 002AR
TOTAL		4000	716	554	162			
AY FARM								
101	B	1000	968	916	52	32	U	Aging waste
102	Water	1000	209	209	0	791	U	Spare, 172 from 151-AX/152-AX
TOTAL		2000	1177	1125	52			
AZ FARM								
101	---	1000	---	---	---	---	--	Under construction
102	---	1000	28	28	0	972	EB	Spare
TOTAL		2000	28	28	0			

(1) 130 to 104-C, 6 water, 338 to 103A, 163 to 106A

(2) 338 from 102-A

* CODE:

B - B PLANT HIGH LEVEL WASTE
 BL - B PLANT LOW LEVEL WASTE
 BNW - 300 Area Waste
 CW - COATING WASTE
 DW - DECONTAMINATION WASTE
 EB - EVAPORATOR BOTTOMS
 IX - ION EXCHANGE WASTE
 OWW - ORGANIC WASH WASTE
 P - PUREX WASTE
 PSS - SLUDGE WASH WASTE
 TL - Terminal Liquor
 PL - Purex Low Level Waste

R - REDOX WASTE
 RIX - ION EXCHANGE WASTE FROM REDOX SUPERNATANT
 SIX - ION EXCHANGE WASTE FROM SLUDGE SUPERNATANT (PSS)
 SSW - SEMIWORKS WASTE
 TBP - TBP WASTE
 U - UNAVAILABLE
 IC - FIRST CYCLE WASTE
 2C - SECOND CYCLE WASTE
 224 - 224 BLDG WASTE
 N - 100-N Waste
 LW - 222-S Laboratory Waste

TANK FARM SUMMARY

(THOUSANDS OF GALLONS)

QUARTER ENDING March 31 1976

TANK FARM	NO. OF TANKS	NO. OF LEAKERS	NOMINAL TANK VOLUME	USEFUL STORAGE CAPACITY EACH	GROSS USEFUL STORAGE CAPACITY	NET (1) USEFUL STORAGE CAPACITY	EFFECTIVE (2) VOLUME OF STORED WASTE	AVAILABLE USEFUL STORAGE RESERVE
B, C, T, U, BX	16	0	55	55	880	594	594	0
	60	6	530	530	31,800	18,391	15,028	3,363
TX, TY, BY, S	48	5	750	750	36,000	27,239	26,801	438
SX (REDOX NON- BOILING TYPE)	5	0	1000	1000	5,000	2,918	2,918	0
SX (REDOX BOILING TYPE)	10	7	1000	1000	10,000	1,969	1,969	0
A (PUREX BOILING TYPE)	6	2	1000	1000	6,000	3,121	1,947	1,174
AX (PUREX BOILING TYPE)	4	0	1000	1000	4,000	716	716	0
AY (Double Shell)	2	0	1000	1000	2,000	1,177	1,177	0
Az (Double Shell) (3)	2	0	1000	1000	1,000	1,000	28	972
SY (Double Shell)(4)	3	---	1000	1000	---	---	---	---

- (1) Storage capacity in the nonboiling tank farms after disallowing: Space in leaking tanks (102-BX, 108-BX, 103-BX, 108-BY, 106-T, 103-TY, 105-TY, 106-TY, 101-U, 104-U, 110-U); space in tanks removed from service; space in tanks with less than 50,000 gallons reserve; space in special purpose tanks for in-tank solidification; for B Plant IX Feed; space in salt-filled tanks; and space in tanks awaiting solidification. Consists of reduction in the "Gross Useful Storage Capacity" of the boiling tank farm as follows:

Tank Farm	Tank	Gallons Reduction	Reason
SX (Redox boiling type)	107, 108, 109, 111, 112, 113, 115-SX	7,000	Tanks leak
A (Purex boiling type)	104, 105-A	2,000	Tanks leak

- (2) For AY Farm, the effective volume and reserve volume do not represent actual gallons of waste, but rather the "useful" space as adjusted by tank production capacity or waste characteristics.
- (3) One tank under construction.
- (4) Under construction.

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PERFORMANCE OF WASTE SOLIDIFICATION SYSTEM

(THOUSANDS OF GALLONS)

	242-S (3) EVAPORATOR	ITS-1 & 2 (1)	242-T EVAPORATOR	REDOX (4)	ITS - 1 (1)	ITS-2 (1)	B PLANT CELL 23 (2)
Waste Volume Reduction This Quarter	2,725	---	324	---	---	---	---
Previous Waste Volume Reduction	23,841	7,965	24,141	12,393	11,876	15,295	1,185
Total Waste Volume Reduction to Date	26,566	7,965	24,465	12,393	11,876	15,295	1,185
AVERAGE RATE THIS QUARTER (GPM)	20.8	---	2.47	---	---	---	---
AVERAGE RATE SINCE START-UP (GPM) (during operation)	20.9	5.50	4.51	4.78	3.60	8.64	8.75

(3) Data for 242-S are from November 1, 1973, to date.

(4) Date for Redox are from startup to June 30, 1972.

(1) IN-TANK SOLIDIFICATION UNIT 1 WAS CONVERTED FROM AN EVAPORATOR TO A COOLER FOR IN-TANK SOLIDIFICATION UNIT 2 ON AUGUST 24, 1971. DATA FOR ITS-1 AND ITS-2 ARE FROM START-UP TO JUNE 30, 1971. DATA FOR ITS-1 & 2 ARE FROM JUNE 30, 1971, to JUNE 30, 1974.

(2) DATA FOR B PLANT CELL 23 ARE FROM START-UP TO FEBRUARY 2, 1968.

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