OPERATION CODES

TION CODES	
OPCODE	DESCRIPTION
1	RECIPE END
2	GRAVITY DRAIN - TO DRAIN GRAVITY DRAIN - TO TOTE
4	FILL SEPARATOR
5	PUMP SYSTEM - TO DRAIN
6	PUMP SYSTEM - TO TOTE
7	PRE-HEAT
8 9	PRE-RINSE TO TOTE - ZONE 1
10	PRE-RINSE TO TOTE - ZONE 1
11	RECIRCULATED PRE-RINSE - ZONE 1
12	RECIRCULATED PRE-RINSE - ZONE 2
13	ALKALINE WASH - ZONE 1
14 15	ALKALINE WASH - ZONE 2 ACID WASH - ZONE 1
16	ACID WASH - ZONE 2
17	RINSE TO DRAIN - ZONE 1
18	RINSE TO DRAIN - ZONE 2
19	RECIRCULATED RINSE - ZONE 1
20 21	RECIRCULATED RINSE - ZONE 2 FINAL RINSE TO DRAIN - ZONE 1
22	FINAL RINSE TO DRAIN - ZONE 2
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25	PAUSE
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RECIPE SELECTIONS

RECIPE#	RECIPE NAME
1	100 GAL MIX TANK - ZONE 1
2	100 GAL MIX TANK - ZONE 2
3	1000 GAL MIX TANK 1 - ZONE 1
4	1000 GAL MIX TANK 1 - ZONE 2
5	1000 GAL MIX TANK 2 - ZONE 1
6	1000 GAL MIX TANK 2 - ZONE 2
7	RECIPE #7
8	RECIPE #8
9	RECIPE #9
10	RECIPE #10
11	RECIPE #11
12	RECIPE #12
13	RECIPE #13
14	RECIPE #14
15	RECIPE #15
16	RECIPE #16
17	RECIPE #17
18	RECIPE #18
19	RECIPE #19
20	RECIPE #20
21	RECIPE #21
22	RECIPE #22
23 24	RECIPE #23
	RECIPE #24
25	RECIPE #25
26	RECIPE #26
27 28	RECIPE #27 RECIPE #28
20 29	RECIPE #26 RECIPE #29
30	RECIPE #30
31	RECIPE #30
32	RECIPE #32
33	RECIPE #33
34	RECIPE #34
35	100 GAL MIX TANK - COMMS TEST
36	1000 GAL MIX TANK 1 - COMMS TEST
37	1000 GAL MIX TANK 2 - COMMS TEST
38	SYSTEM PERFORMANCE
39	FAT TEST RECIPE
40	SEPARATOR TANK FLUSH

CIPE #: ME : STEP	1 100 GAL MIX TANK - ZONE 1 OPERATION	OPCODE	TIME
1	FILL SEPARATOR	4	(MIN) 0.1
2	PRE-RINSE TO TOTE - ZONE 1	9	5.0
3	PUMP SYSTEM - TO TOTE	6	0.1
4	GRAVITY DRAIN - TO TOTE	3	1.0
5	FILL SEPARATOR	4	0.1
6 7	ALKALINE WASH - ZONE 1 PUMP SYSTEM - TO DRAIN	13 5	10.0 0.1
8	GRAVITY DRAIN - TO DRAIN	2	1.0
9	FILL SEPARATOR	4	0.1
10	RINSE TO DRAIN - ZONE 1	17	5.0
11 12	PUMP SYSTEM - TO DRAIN GRAVITY DRAIN - TO DRAIN	5 2	0.1 1.0
13	FILL SEPARATOR	4	0.1
14	ACID WASH - ZONE 1	15	10.0
15	PUMP SYSTEM - TO DRAIN	5	0.1
16 17	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
18	RINSE TO DRAIN - ZONE 1	17	5.0
19	PUMP SYSTEM - TO DRAIN	5	0.1
20	GRAVITY DRAIN - TO DRAIN	2	1.0
21 22	FILL SEPARATOR RINSE TO DRAIN - ZONE 1	4 17	0.1 5.0
23	PUMP SYSTEM - TO DRAIN	5	0.1
24	GRAVITY DRAIN - TO DRAIN	2	1.0
25 26	FILL SEPARATOR FINAL RINSE TO DRAIN - ZONE 1	4 21	0.1
27	PUMP SYSTEM - TO DRAIN	5	5.0 0.1
28	GRAVITY DRAIN - TO DRAIN	2	1.0
29	RECIPE END	1	0.1
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OWI# 10700	,,		
RECIPE #: NAME :	2 100 GAL MIX TANK - ZONE 2		
STEP	OPERATION	OPCODE	TIME
1	FILL SEPARATOR	4	(MIN) 0.1
2	PRE-RINSE TO TOTE - ZONE 2	10	5.0
3 4	PUMP SYSTEM - TO TOTE GRAVITY DRAIN - TO TOTE	6 3	0.1 1.0
5	FILL SEPARATOR	4	0.1
6	ALKALINE WASH - ZONE 2	14	10.0
7	PUMP SYSTEM - TO DRAIN	5	0.1
8 9	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
10	RINSE TO DRAIN - ZONE 2	18	5.0
11	PUMP SYSTEM - TO DRAIN	5	0.1
12 13	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
14	ACID WASH - ZONE 2	16	10.0
15	PUMP SYSTEM - TO DRAIN	5	0.1
16 17	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
18	RINSE TO DRAIN - ZONE 2	18	5.0
19	PUMP SYSTEM - TO DRAIN	5	0.1
20 21	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
22	RINSE TO DRAIN - ZONE 2	18	5.0
23	PUMP SYSTEM - TO DRAIN	5	0.1
24 25	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
26	FINAL RINSE TO DRAIN - ZONE 2	22	5.0
27	PUMP SYSTEM - TO DRAIN	5	0.1
28	GRAVITY DRAIN - TO DRAIN	2	1.0
29 30	RECIPE END	1	0.1
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OWIH 10700	,,		
RECIPE #: NAME :	3 1000 GAL MIX TANK 1 - ZONE 1		
STEP	OPERATION	OPCODE	TIME
1	FILL SEPARATOR	4	(MIN) 0.1
2	PRE-RINSE TO TOTE - ZONE 1	9	5.0
3	PUMP SYSTEM - TO TOTE	6	0.1
4 5	GRAVITY DRAIN - TO TOTE FILL SEPARATOR	3	1.0 0.1
6	ALKALINE WASH - ZONE 1	13	10.0
7	PUMP SYSTEM - TO DRAIN	5	0.1
8 9	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
10	RINSE TO DRAIN - ZONE 1	17	5.0
11	PUMP SYSTEM - TO DRAIN	5	0.1
12 13	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
14	ACID WASH - ZONE 1	15	10.0
15	PUMP SYSTEM - TO DRAIN	5	0.1
16 17	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
18	RINSE TO DRAIN - ZONE 1	17	5.0
19	PUMP SYSTEM - TO DRAIN	5	0.1
20 21	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
22	RINSE TO DRAIN - ZONE 1	17	5.0
23	PUMP SYSTEM - TO DRAIN	5	0.1
24 25	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 4	1.0 0.1
26	FINAL RINSE TO DRAIN - ZONE 1	21	5.0
27	PUMP SYSTEM - TO DRAIN	5	0.1
28 29	GRAVITY DRAIN - TO DRAIN RECIPE END	2 1	1.0 0.1
30	112011 2 2113		0.1
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OWII# 10700	···		
RECIPE #: NAME :	4 1000 GAL MIX TANK 1 - ZONE 2		
STEP	OPERATION	OPCODE	TIME
1	FILL SEPARATOR	4	(MIN) 0.1
2	PRE-RINSE TO TOTE - ZONE 2	10	5.0
3	PUMP SYSTEM - TO TOTE	6	0.1
4 5	GRAVITY DRAIN - TO TOTE FILL SEPARATOR	3	1.0 0.1
6	ALKALINE WASH - ZONE 2	14	10.0
7	PUMP SYSTEM - TO DRAIN	5	0.1
8 9	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2	1.0 0.1
10	RINSE TO DRAIN - ZONE 2	18	5.0
11	PUMP SYSTEM - TO DRAIN	5	0.1
12	GRAVITY DRAIN - TO DRAIN	2	1.0
13 14	FILL SEPARATOR ACID WASH - ZONE 2	4 16	0.1 10.0
15	PUMP SYSTEM - TO DRAIN	5	0.1
16	GRAVITY DRAIN - TO DRAIN	2	1.0
17 18	FILL SEPARATOR RINSE TO DRAIN - ZONE 2	4 18	0.1 5.0
19	PUMP SYSTEM - TO DRAIN	5	0.1
20	GRAVITY DRAIN - TO DRAIN	2	1.0
21 22	FILL SEPARATOR RINSE TO DRAIN - ZONE 2	4 18	0.1
23	PUMP SYSTEM - TO DRAIN	5	5.0 0.1
24	GRAVITY DRAIN - TO DRAIN	2	1.0
25	FILL SEPARATOR	4	0.1
26 27	FINAL RINSE TO DRAIN - ZONE 2 PUMP SYSTEM - TO DRAIN	22 5	5.0 0.1
28	GRAVITY DRAIN - TO DRAIN	2	1.0
29	RECIPE END	1	0.1
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CIPE #: .ME : STEP	5 1000 GAL MIX TANK 2 - ZONE 1 OPERATION	OPCODE TIM	
1	FILL SEPARATOR	(MIN 4 0.1	
2	PRE-RINSE TO TOTE - ZONE 1	9 5.0	
3	PUMP SYSTEM - TO TOTE	6 0.1	
4 5	GRAVITY DRAIN - TO TOTE FILL SEPARATOR	3 1.0 4 0.1	
6	ALKALINE WASH - ZONE 1	13 10.0	
7	PUMP SYSTEM - TO DRAIN	5 0.1	
8	GRAVITY DRAIN - TO DRAIN	2 1.0	
9	FILL SEPARATOR	4 0.1	
10 11	RINSE TO DRAIN - ZONE 1 PUMP SYSTEM - TO DRAIN	17 5.0 5 0.1	
12	GRAVITY DRAIN - TO DRAIN	2 1.0	
13	FILL SEPARATOR	4 0.1	
14	ACID WASH - ZONE 1	15 10.0	
15 16	PUMP SYSTEM - TO DRAIN GRAVITY DRAIN - TO DRAIN	5 0.1 2 1.0	
17	FILL SEPARATOR	4 0.1	
18	RINSE TO DRAIN - ZONE 1	17 5.0	
19	PUMP SYSTEM - TO DRAIN	5 0.1 2 1.0	
20 21	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 1.0 4 0.1	
22	RINSE TO DRAIN - ZONE 1	17 5.0	
23	PUMP SYSTEM - TO DRAIN	5 0.1	
24 25	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 1.0 4 0.1	
25 26	FINAL RINSE TO DRAIN - ZONE 1	21 5.0	
27	PUMP SYSTEM - TO DRAIN	5 0.1	
28	GRAVITY DRAIN - TO DRAIN	2 1.0	
29	RECIPE END	1 0.1	
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CIPE #: .ME : STEP	6 1000 GAL MIX TANK 2 - ZONE 2 OPERATION	OPCODE TIME
1	FILL SEPARATOR	(MIN) 4 0.1
2	PRE-RINSE TO TOTE - ZONE 2	10 5.0
3	PUMP SYSTEM - TO TOTE	6 0.1
4	GRAVITY DRAIN - TO TOTE	3 1.0
5 6	FILL SEPARATOR ALKALINE WASH - ZONE 2	4 0.1 14 10.0
7	PUMP SYSTEM - TO DRAIN	5 0.1
8	GRAVITY DRAIN - TO DRAIN	2 1.0
9	FILL SEPARATOR	4 0.1
10	RINSE TO DRAIN - ZONE 2	18 5.0
11 12	PUMP SYSTEM - TO DRAIN GRAVITY DRAIN - TO DRAIN	5 0.1 2 1.0
13	FILL SEPARATOR	4 0.1
14	ACID WASH - ZONE 2	16 10.0
15	PUMP SYSTEM - TO DRAIN	5 0.1
16 17	GRAVITY DRAIN - TO DRAIN FILL SEPARATOR	2 1.0 4 0.1
18	RINSE TO DRAIN - ZONE 2	18 5.0
19	PUMP SYSTEM - TO DRAIN	5 0.1
20	GRAVITY DRAIN - TO DRAIN	2 1.0
21	FILL SEPARATOR	4 0.1
22 23	RINSE TO DRAIN - ZONE 2 PUMP SYSTEM - TO DRAIN	18 5.0 5 0.1
24	GRAVITY DRAIN - TO DRAIN	2 1.0
25	FILL SEPARATOR	4 0.1
26	FINAL RINSE TO DRAIN - ZONE 2	22 5.0
27	PUMP SYSTEM - TO DRAIN	5 0.1
28 29	GRAVITY DRAIN - TO DRAIN RECIPE END	2 1.0 1 0.1
30	NEON E END	1 0.1
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3WI# 1070	31			
RECIPE #:	7			
NAME : STEP	RECIPE #7	OPERATION	OPCODE	TIME
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ECIPE #:	8 RECIPE #8			
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3WI# 1070	137			
RECIPE #:	9			
NAME : STEP	RECIPE #9	OPERATION	OPCODE	TIME
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3WII# 1070	31			
RECIPE #:	10			
NAME : STEP	RECIPE #10	OPERATION	OPCODE	TIME
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3WI# 1070	137			
RECIPE #:	11			
NAME : STEP	RECIPE #11	OPERATION	OPCODE	TIME
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3WI# 1070	31			
RECIPE #:	12			
NAME : STEP	RECIPE #12	OPERATION	OPCODE	TIME
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3WI# 1070	37			
RECIPE #:	13			
NAME : STEP	RECIPE #13	OPERATION	OPCODE	TIME
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SIVII# 1076	57			
RECIPE #:	14			
NAME:	RECIPE #14			
STEP		OPERATION	OPCODE	(MIN)
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3WII# 1070	31			
RECIPE #:	15			
NAME : STEP	RECIPE #15	OPERATION	OPCODE	TIME
SIEP		OPERATION	OPCODE	(MIN)
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3WII# 1070	31			
RECIPE #:	16			
NAME : STEP	RECIPE #16	OPERATION	OPCODE	TIME
SIEP		OPERATION	OPCODE	(MIN)
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31VII# 107C	157			
RECIPE #:	17			
NAME : STEP	RECIPE #17	OPERATION	OPCODE	TIME
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31VII# 1070	31			
RECIPE #:	18			
NAME : STEP	RECIPE #18	OPERATION	OPOODE	TIME
SIEP		OPERATION	OPCODE	TIME (MIN)
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3WII# 1070	31			
RECIPE #:	19			
NAME : STEP	RECIPE #19	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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3WI# 1070	31			
RECIPE #:	20			
NAME : STEP	RECIPE #20	OPERATION	OPCODE	TIME
SIEP		OPERATION	OFCODE	(MIN)
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31VII# 107	331			
RECIPE #:	21			
NAME : STEP	RECIPE #21	OPERATION	OPCODE	TIME
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3WII# 1070	31			
RECIPE #:	22			
NAME : STEP	RECIPE #22	OPERATION	OPCODE	TIME
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31VII# 1070.	31			
RECIPE #:	23			
NAME : STEP	RECIPE #23	OPERATION	OPCODE	TIME
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3WII# 1070	31			
RECIPE #:	24			
NAME : STEP	RECIPE #24	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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3WII# 1070	31			
RECIPE #:	25			
NAME : STEP	RECIPE #25	OPERATION	OPCODE	TIME
SILF		OFERATION	OFCODE	(MIN)
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3WII# 1070	31			
RECIPE #:	26			
NAME : STEP	RECIPE #26	OPERATION	OPCODE	TIME
		OFERMION	OFCODE	(MIN)
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31VII# 1070	31			
RECIPE #:	27			
NAME : STEP	RECIPE #27	OPERATION	OPCODE	TIME
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3WII# 1070	31			
RECIPE #:	28			
NAME : STEP	RECIPE #28	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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3WI# 1070	31			
RECIPE #:	29			
NAME : STEP	RECIPE #29	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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31VII# 107C	137			
RECIPE #:	30			
NAME : STEP	RECIPE #30	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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31VII# 1070	157			
RECIPE #:	31			
NAME : STEP	RECIPE #31	OPERATION	OPCODE	TIME
SIEF		OPERATION	OPCODE	(MIN)
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31VII# 107C	557			
RECIPE #:	32			
NAME: STEP	RECIPE #32	OPERATION	OPCODE	TIME
		OFERATION	OFCODE	(MIN)
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31VII# 1070	551			
RECIPE #:	33			
NAME : STEP	RECIPE #33	OPERATION	OPCODE	TIME
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31VII# 1070	37			
RECIPE #:	34			
NAME : STEP	RECIPE #34	OPERATION	OPCODE	TIME
SIEP		OPERATION	OPCODE	(MIN)
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31VII# 1070C) i		
RECIPE #:	35		
NAME : STEP	100 GAL MIX TANK - COMMS TEST OPERATION	OPCODE	TIME
			(MIN)
1 2	FILL SEPARATOR RECIRCULATED PRE-RINSE - ZONE 1	4 11	0.1 0.5
3	RECIRCULATED PRE-RINSE - ZONE 2	12	1.0
4	GRAVITY DRAIN - TO DRAIN	2	0.5
5	RECIPE END	1	0.1
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31VII# 1070C	01		
RECIPE #:	36		
NAME: STEP	1000 GAL MIX TANK 1 - COMMS TEST OPERATION	OPCODE	TIME
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1	FILL SEPARATOR	4	0.1
2	RECIRCULATED PRE-RINSE - ZONE 1 RECIRCULATED PRE-RINSE - ZONE 2	11 12	0.5
4	GRAVITY DRAIN - TO DRAIN	2	1.0 0.5
5	RECIPE END	1	0.1
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3WII# 10703) i		
RECIPE #:	37		
NAME: STEP	1000 GAL MIX TANK 2 - COMMS TEST OPERATION	OPCODE	TIME
	FILL SEPARATOR	4	(MIN)
1 2	RECIRCULATED PRE-RINSE - ZONE 1	11	0.1 0.5
3	RECIRCULATED PRE-RINSE - ZONE 2	12	1.0
4 5	GRAVITY DRAIN - TO DRAIN RECIPE END	2 1	0.5 0.1
6	REGIFE END	'	0.1
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SIVII# 1076			
RECIPE #:	38		
NAME : STEP	SYSTEM PERFORMANCE OPERATION	OPCODE	TIME
		OFCODE	(MIN)
1	FILL SEPARATOR	4	0.1
2	RECIRCULATED PRE-RINSE - ZONE 1 PRE-HEAT	11 7	1.0 1.0
4	PUMP SYSTEM - TO DRAIN	5	0.1
5	GRAVITY DRAIN - TO DRAIN	2	1.0
6	RECIPE END	1	0.1
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31VII# 1070) (
RECIPE #:	39		
NAME : STEP	FAT TEST RECIPE OPERATION	OPCODE	TIME
4			(MIN)
1 2	FILL SEPARATOR PRE-RINSE TO TOTE - ZONE 1	4 9	1.0 1.0
3	PRE-RINSE TO TOTE - ZONE 2	10	1.0
4 5	RECIRCULATED PRE-RINSE - ZONE 1 RECIRCULATED PRE-RINSE - ZONE 2	11 12	1.0 1.0
6	RINSE TO DRAIN - ZONE 1	17	1.0
7	RINSE TO DRAIN - ZONE 2	18	1.0
8 9	RECIRCULATED RINSE - ZONE 1 RECIRCULATED RINSE - ZONE 2	19 20	1.0 1.0
10	FINAL RINSE TO DRAIN - ZONE 1	21	1.0
11	FINAL RINSE TO DRAIN - ZONE 2	22	1.0
12 13	PUMP SYSTEM - TO TOTE GRAVITY DRAIN - TO TOTE	6 3	1.0 1.0
14	PAUSE	25	1.0
15	FILL SEPARATOR	4	1.0
16 17	PRE-HEAT ALKALINE WASH - ZONE 1	7 13	1.0 1.0
18	ALKALINE WASH - ZONE 2	14	1.0
19	ACID WASH - ZONE 1	15	1.0
20 21	ACID WASH - ZONE 2 PUMP SYSTEM - TO DRAIN	16 5	1.0 1.0
22	GRAVITY DRAIN - TO DRAIN	2	1.0
23	RECIPE END	1	0.1
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CIPE #: ME : STEP	40 SEPARATOR TANK FLUSH OPERATION	OPCODE	TIME
1	GRAVITY DRAIN - TO DRAIN	2	(MIN) 1.0
2	FILL SEPARATOR	4	0.1
3	RECIRCULATED PRE-RINSE - ZONE 1	11	1.0
4 5	PUMP SYSTEM - TO DRAIN GRAVITY DRAIN - TO DRAIN	5	0.1 1.0
6	RECIPE END	2 1	0.1
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