

on open sides in accordance with subpart M of this part. Where walkways are ramped under safety screens, the walkway surface shall be skidproofed by cleats or by equivalent means.

(3) Bulkheads used to contain compressed air shall be tested, where practicable, to prove their ability to resist the highest air pressure which may be expected to be used.

[44 FR 8577, Feb. 9, 1979; 44 FR 20940, Apr. 6, 1979, as amended at 47 FR 14696, 14706, Apr. 6, 1982; 51 FR 25318, July 11, 1986; 61 FR 5510, Feb. 13, 1996]

§ 1926.804 Definitions applicable to this subpart.

(a) *Bulkhead*—An airtight structure separating the working chamber from free air or from another chamber under a lesser pressure than the working pressure.

(b) *Caisson*—A wood, steel, concrete or reinforced concrete, air- and watertight chamber in which it is possible for men to work under air pressure greater than atmospheric pressure to excavate material below water level.

(c) *Decanting*—A method used for decompressing under emergency circumstances. In this procedure, the employees are brought to atmospheric pressure with a very high gas tension in the tissues and then immediately recompressed in a second and separate chamber or lock.

(d) *Emergency locks*—A lock designed to hold and permit the quick passage of an entire shift of employees.

(e) *High air*—Air pressure used to supply power to pneumatic tools and devices.

(f) *Low air*—Air supplied to pressurize working chambers and locks.

(g) *Man lock*—A chamber through which men pass from one air pressure environment into another.

(h) *Materials lock*—A chamber through which materials and equipment pass from one air pressure environment into another.

(i) *Medical lock*—A special chamber in which employees are treated for decompression illness. It may also be used in preemployment physical examinations to determine the adaptability of the prospective employee to changes in pressure.

(j) *Normal condition*—One during which exposure to compressed air is limited to a single continuous working period followed by a single decompression in any given 24-hour period; the total time of exposure to compressed air during the single continuous working period is not interrupted by exposure to normal atmospheric pressure, and a second exposure to compressed air does not occur until at least 12 consecutive hours of exposure to normal atmospheric pressure has elapsed since the employee has been under pressure.

(k) *Pressure*—A force acting on a unit area. Usually shown as pounds per square inch. (p.s.i.)

(l) *Absolute pressure* (p.s.i.a.)—The sum of the atmospheric pressure and gauge pressure (p.s.i.g.).

(m) *Atmospheric pressure*—The pressure of air at sea level, usually 14.7 p.s.i.a. (1 atmosphere), or 0 p.s.i.g.

(n) *Gauge pressure* (p.s.i.g.)—Pressure measured by a gauge and indicating the pressure exceeding atmospheric.

(o) *Safety screen*—An air- and watertight diaphragm placed across the upper part of a compressed air tunnel between the face and bulkhead, in order to prevent flooding the crown of the tunnel between the safety screen and the bulkhead, thus providing a safe means of refuge and exit from a flooding or flooded tunnel.

(p) *Special decompression chamber*—A chamber to provide greater comfort of employees when the total decompression time exceeds 75 minutes.

(q) *Working chamber*—The space or compartment under air pressure in which the work is being done.

APPENDIX A TO SUBPART S OF PART 1926—DECOMPRESSION TABLES

1. *Explanation.* The decompression tables are computed for working chamber pressures from 0 to 14 pounds, and from 14 to 50 pounds per square inch gauge inclusive by 2-pound increments and for exposure times for each pressure extending from one-half to over 8 hours inclusive. Decompressions will be conducted by two or more stages with a maximum of four stages, the latter for a working chamber pressure of 40 pounds per square inch gauge or over.

Stage 1 consists of a reduction in ambient pressure ranging from 10 to a maximum of 16 pounds per square inch, but in no instance will the pressure be reduced below 4 pounds

at the end of stage 1. This reduction in pressure in stage 1 will always take place at a rate not greater than 5 pounds per minute.

Further reduction in pressure will take place during stage 2 and subsequent stages as required at a slower rate, but in no event at a rate greater than 1 pound per minute.

Decompression Table No. 1 indicates in the body of the table the total decompression time in minutes for various combinations of working chamber pressure and exposure time.

Decompression Table No. 2 indicates for the same various combinations of working chamber pressure and exposure time the following:

- a. The number of stages required;
- b. The reduction in pressure and the terminal pressure for each required stage;
- c. The time in minutes through which the reduction in pressure is accomplished for each required stage;
- d. The pressure reduction rate in minutes per pound for each required stage;

IMPORTANT NOTE: The Pressure Reduction in Each Stage is Accomplished at a Uniform Rate. Do Not Interpolate Between Values Shown on the Tables. Use the Next Higher Value of Working Chamber Pressure or Exposure Time Should the Actual Working Chamber Pressure or the Actual Exposure Time, Respectively, Fall Between Those for Which Calculated Values Are Shown in the Body of the Tables.

Examples	Minutes
Example No. 1: 4 hours working period at 20 pounds gauge. Decompression Table No. 1: 20 pounds for 4 hours, total decompression time	43
Decompression Table No. 2: Stage 1: Reduce pressure from 20 pounds to 4 pounds at the uniform rate of 5 pounds per minute. Elapsed time stage 1: 16/5	3
Stage 2 (final stage): Reduce pressure at a uniform rate from 4 pounds to 0-pound gage over a period of 40 minutes. Rate—0.10 pound per minute or 10 minutes per pound. Stage 2 (final) elapsed time	40
Total time	43
Example No. 2: 5-hour working period at 24 pounds gauge. Decompression Table No. 1: 24 pounds for 5 hours, total decompression time	117
Decompression Table No. 2: Stage 1: Reduce pressure from 24 pounds to 8 pounds at the uniform rate of 5 pounds per minute. Elapsed time stage 1: 16/5	3
Stage 2: Reduce pressure at a uniform rate from 8 pounds to 4 pounds over a period of 4 minutes. Rate, 1 pound per minute elapsed time, stage 2	4
Transfer men to special decompression chamber maintaining the 4-pound pressure during the transfer operation. Stage 3 (final stage): In the special decompression chamber, reduce the pressure at a uniform rate from 4 pounds to 0-pound gage over a period of 110 minutes. Rate, 0.037 pound per minute or 27.5 minutes per pound. Stage 3 (final) elapsed time ...	110
Total time	117

DECOMPRESSION TABLE NO. 1—TOTAL DECOMPRESSION TIME

Work pressure p.s.i.g.	Working period hours											
	1/2	1	1 1/2	2	3	4	5	6	7	8	Over 8	
9 to 12	3	3	3	3	3	3	3	3	3	3	3	3
14	6	6	6	6	6	6	6	6	6	16	16	33
16	7	7	7	7	7	7	7	17	33	48	48	62
18	7	7	7	8	11	17	48	63	63	73	73	87
20	7	7	8	15	15	43	63	73	83	103	113	113
22	9	9	16	24	38	68	93	103	113	128	133	133
24	11	12	23	27	52	92	117	122	127	137	151	151
26	13	14	29	34	69	104	126	141	142	142	163	163
28	15	23	31	41	98	127	143	153	153	165	183	183
30	17	28	38	62	105	143	165	168	178	188	204	204
32	19	35	43	85	126	163	178	193	203	213	226	226
34	21	39	58	98	151	178	195	218	223	233	248	248
36	24	44	63	113	170	198	223	233	243	253	273	273
38	28	49	73	128	178	203	223	238	253	263	278	278
40	31	49	84	143	183	213	233	248	258	278	288	288
42	37	56	102	144	189	215	245	260	263	268	293	293
44	43	64	118	154	199	234	254	264	269	269	293	293
46	44	74	139	171	214	244	269	274	289	299	318	318
48	51	89	144	189	229	269	299	309	319	319	.....	.....
50	58	94	164	209	249	279	309	329	.....	.....	.....	.....

DECOMPRESSION TABLE NO. 2

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data						
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes	
			From	To				
14	½	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	1	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	1½	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	2	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	3	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	4	1	14	0	2	0.20	6	
		2	4	0	4	1.00	6	
	5	1	14	4	2	0.20	6	
		2	4	0	4	1.00	6	
	6	1	14	4	2	0.20	.....
		2	4	0	4	1.00	6	
	7	1	14	4	2	0.20	.....
		2	4	0	14	3.50	16	
	8	1	14	4	2	0.20	.....
		2	4	0	14	3.50	16	
	Over 8	1	14	4	2	0.20	.....
		2	4	0	30	7.50	32	
	16	½	1	16	4	3	0.20
			2	4	0	4	1.00	7
1		1	16	4	3	0.20	7	
		2	4	0	4	1.00	7	
1½		1	16	4	3	0.20	.....
		2	4	0	4	1.00	7	
2		1	16	4	3	0.20	.....
		2	4	0	4	1.00	7	
3		1	16	4	3	0.20	.....
		2	4	0	4	1.00	7	
4		1	14	4	3	0.20	.....
		2	4	0	4	1.00	7	
5		1	14	4	3	0.20	7	
		2	4	0	4	3.50	17	
6		1	14	4	3	0.20	.....
		2	4	0	30	7.50	33	
7		1	14	4	3	0.20	.....
		2	4	0	45	11.25	48	
8		1	14	4	3	0.20	.....
		2	4	0	45	11.25	48	
Over 8		1	14	4	3	0.20	.....
		2	4	0	60	15.00	63	
18		½	1	18	4	3	0.20
			2	4	0	4	1.00	7
	1	1	18	4	3	0.20	.....
		2	4	0	4	1.00	7	
	1½	1	18	4	3	0.20	.....
		2	4	0	4	1.00	7	
	2	1	18	4	3	0.20	.....
		2	4	0	5	1.25	8	
	3	1	18	4	3	0.20	.....
		2	4	0	8	2.00	11	
	4	1	18	4	3	0.20	.....
		2	4	0	14	3.50	17	
	5	1	18	4	3	0.20	.....
		2	4	0	45	11.25	48	
	6	1	18	4	3	0.20	.....
		2	4	0	60	15.00	63	
	7	1	18	4	3	0.20	.....
		2	4	0	60	15.00	63	
	8	1	18	4	3	0.20	.....
		2	4	0	70	17.50	73	
	Over 8	1	18	4	3	0.20	.....
		2	4	0	84	21.00	87	

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes
			From	To			
20	½	1	20	4	3	0.20	.....
		2	4	0	4	1.00	7
	1	1	20	4	3	0.20	.....
		2	4	0	4	1.00	7
	1½	1	20	4	3	0.20	.....
		2	4	0	5	1.25	8
	2	1	20	4	3	0.20	.....
		2	4	0	12	3.00	15
	3	1	20	4	3	0.20	.....
		2	4	0	12	3.00	15
	4	1	20	4	3	0.20	.....
		2	4	0	40	10.00	43
	5	1	20	4	3	0.20	.....
		2	4	0	60	15.00	63
	6	1	20	4	3	0.20	.....
		2	4	0	70	17.50	73
	7	1	20	4	3	0.20	.....
		2	4	0	80	20.00	83
	8	1	20	4	3	0.20	.....
		2	4	0	100	25.00	103
Over 8	1	20	4	3	0.20	.....
	2	4	0	110	27.50	113	
22	½	1	22	6	3	0.20	.....
		2	6	0	6	1.00	9
	1	1	22	6	3	0.20	.....
		2	6	0	6	1.00	9
	1½	1	22	6	3	0.20	.....
		2	6	0	13	2.20	16
	2	1	22	6	3	0.20	.....
		2	6	0	21	3.50	24
	3	1	22	6	3	0.20	.....
		2	6	0	35	5.85	38
	4	1	22	6	3	0.20	.....
		2	6	0	65	10.83	68
	5	1	22	6	3	0.20	.....
		2	6	0	90	15.00	93
	6	1	22	6	3	0.20	.....
		2	4	0	100	16.67	103
	7	1	22	6	3	0.20	.....
		2	6	0	110	18.35	113
	8	1	22	6	3	0.20	.....
		2	6	0	125	20.80	128
Over 8	1	22	6	3	0.20	.....
	2	6	0	130	21.70	133	
24	½	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	4	1.00	11
	1	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	5	1.25	12
	1½	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	16	4.00	23
	2	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	20	5.00	27
	3	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	45	11.25	52
	4	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	85	21.25	92
	5	1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
3		4	0	110	27.50	117	
6	1	24	8	3	0.20	.....
	2	8	4	4	1.00	.....

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes
			From	To			
26	7	2	8	4	4	1.00	.....
		3	4	0	115	28.80	122
		1	24	8	3	0.20	.....
		2	8	4	4	1.00	.....
		3	4	0	120	30.00	127
		1	24	8	3	0.20	.....
	8	2	8	4	4	1.00	.....
		3	4	0	130	32.50	137
		1	24	8	3	0.20	.....
	Over 8	2	8	4	8	2.00	.....
		3	4	0	140	35.00	151
		1	26	10	3	0.20	.....
	1/2	2	10	4	6	1.00	.....
		3	4	0	4	1.00	13
		1	26	10	3	0.20	.....
	1	2	10	4	6	1.00	.....
		3	4	0	5	1.25	14
		1	26	10	3	0.20	.....
	1 1/2	2	10	4	6	1.00	.....
		3	4	0	20	5.00	29
		1	26	10	3	0.20	.....
	2	2	10	4	6	1.00	.....
		3	4	0	25	6.25	34
		1	26	10	3	0.20	.....
	3	2	10	4	6	1.00	.....
		3	4	0	60	15.00	69
		1	26	10	3	0.20	.....
	4	2	10	4	6	1.00	.....
		3	4	0	95	23.75	104
		1	26	10	3	0.20	.....
	5	2	10	4	8	1.33	.....
		3	4	0	115	28.80	126
		1	26	10	3	0.20	.....
	6	2	10	4	8	1.33	.....
		3	4	0	130	32.50	141
		1	26	10	3	2.20	.....
	7	2	10	4	9	1.50	.....
		3	4	0	130	32.50	142
		1	26	10	3	0.20	.....
	8	2	10	4	9	1.50	.....
		3	4	0	130	32.50	142
		1	26	10	3	0.20	.....
Over 8	2	10	4	30	5.00	.....
	3	4	0	30	32.50	163	
	1	28	12	3	0.20	.....
1/2	2	12	4	8	1.00	.....
	3	4	0	4	1.00	15	
	1	28	12	3	0.20	.....
1	2	12	4	8	1.00	.....
	3	4	0	12	3.00	23	
	1	28	12	3	0.20	.....
1 1/2	2	12	4	8	1.00	.....
	3	4	0	20	5.00	31	
	1	28	12	3	0.20	.....
2	2	12	4	8	1.00	.....
	3	4	0	30	7.50	41	
	1	28	12	3	0.20	.....
3	2	12	4	10	1.25	.....
	3	4	0	85	21.20	96	
	1	28	12	3	0.20	.....
4	2	12	4	14	1.75	.....
	3	4	0	110	27.50	127	
	1	28	12	3	0.20	.....
5	2	12	4	20	2.50	.....
	3	4	0	120	30.00	143	
	1	28	12	3	0.20	.....
6	2	12	4	20	2.50	.....
	3	4	0	120	30.00	143	
	1	28	12	3	0.20	.....

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data							
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes		
			From	To					
30	7	2	12	4	20	2.50	.....	
		3	4	0	130	32.50	153		
		1	28	12	3	0.20	.....	
		2	12	4	20	2.50	.....	
		3	4	0	120	32.50	153		
		8	1	28	12	3	0.20	.....
	8	2	12	4	32	4.00	.....	
		3	4	0	130	32.50	165		
		Over 8	1	28	12	3	0.20	.....
		2	12	4	50	6.25	.....	
		3	4	0	130	32.50	183		
		1/2	1	30	14	3	0.20	.....
	1	1/2	2	14	4	10	1.00	.....
			3	4	0	4	1.00	17	
			1	30	14	3	0.20	.....
		1	2	14	4	10	1.00	.....
			3	4	0	15	3.75	28	
			1 1/2	1	30	14	3	0.20
		2	1 1/2	2	14	4	10	1.00
				3	4	0	25	6.25	38
				1	30	14	3	0.20
			2	2	14	4	14	1.40
				3	4	0	45	11.25	62
				3	1	30	14	3	0.20
	3	3	2	14	4	17	1.70	.....
			3	4	0	85	21.20	105	
			1	30	14	3	0.20	.....
		4	2	14	4	30	3.00	.....
			3	4	0	110	27.50	143	
			1	30	14	3	0.20	.....
	5	2	2	14	4	35	3.50	.....
			3	4	0	130	32.50	165	
			1	30	14	3	0.20	.....
		6	2	14	4	35	3.50	.....
			3	4	0	130	32.50	168	
			1	30	14	3	0.20	.....
	7	2	2	14	4	45	4.50	.....
			3	4	0	130	32.50	178	
			1	30	14	3	0.20	.....
		8	2	14	4	55	5.50	.....
			3	4	0	130	32.50	188	
			Over 8	1	30	14	3	0.20
32	1/2	2	14	4	71	7.10	.....	
		3	4	0	130	32.50	204		
		1	32	16	3	0.20	.....	
		2	16	4	12	1.00	.....	
		3	4	0	4	1.00	19		
		1	1	32	16	3	0.20	.....
	1	1	2	16	4	12	1.00	.....
			3	4	0	20	5.00	35	
			1 1/2	1	32	16	3	0.20
		2	2	16	4	15	1.25	.....
			3	4	0	25	6.25	43	
			1	32	16	3	0.20	.....
2	2	2	16	4	22	1.83	.....	
		3	4	0	60	15.00	85		
		1	32	16	3	0.20	.....	
	3	2	16	4	28	2.33	.....	
		3	4	0	95	23.75	126		
		1	32	16	3	0.20	.....	
4	2	2	16	4	40	3.33	.....	
		3	4	0	120	30.00	163		
		1	32	16	3	0.20	.....	
	5	2	16	4	45	3.75	.....	
		3	4	0	130	32.50	178		
		1	32	16	3	0.20	.....	
6	2	16	4	45	3.75	.....		
	3	4	0	130	32.50	178			
	1	32	16	3	0.20	.....		

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes
			From	To			
34	7	2	16	4	60	5.00	.....
		3	4	0	130	32.50	193
		1	32	16	3	0.20	.....
	8	2	16	4	70	5.83	.....
		3	4	0	130	32.50	203
		1	32	16	3	0.20	.....
	Over 8	2	16	4	80	6.67	.....
		3	4	0	130	32.50	213
		1	32	16	3	0.20	.....
	1/2	2	16	4	93	7.75	.....
		3	4	0	130	32.50	226
		1	34	18	3	0.20	.....
	1	2	18	4	14	1.00	.....
		3	4	0	4	1.00	21
		1	34	18	3	0.20	.....
	1 1/2	2	18	4	14	1.00	.....
		3	4	0	22	5.50	39
		1	34	18	3	0.20	.....
	2	2	18	4	25	1.80	.....
		3	4	0	30	7.50	58
		1	34	18	3	0.20	.....
	3	2	18	4	35	2.50	.....
		3	4	0	60	15.00	98
		1	34	18	3	0.20	.....
	4	2	18	4	43	3.10	.....
		3	4	0	105	26.25	151
		1	34	18	3	0.20	.....
	5	2	18	4	55	3.93	.....
		3	4	0	120	30.00	178
		1	34	18	3	0.20	.....
	6	2	18	4	62	4.43	.....
		3	4	0	130	32.50	195
		1	34	18	3	0.20	.....
	7	2	18	4	85	6.07	.....
		3	4	0	130	32.50	218
		1	34	18	3	0.20	.....
8	2	18	4	90	6.43	.....
	3	4	0	130	32.50	223	
	1	34	18	3	0.20	.....
Over 8	2	18	4	100	7.15	.....
	3	4	0	130	32.50	233	
	1	34	18	3	0.20	.....
36	2	18	4	115	8.23	.....
	3	4	0	130	32.50	248	
	1	36	20	3	0.20	.....
1/2	2	20	4	16	1.00	.....
	3	4	0	5	1.25	24	
	1	36	20	3	0.20	.....
1	2	20	4	16	1.00	.....
	3	4	0	25	6.25	44	
	1	36	20	3	0.20	.....
1 1/2	2	20	4	30	1.88	.....
	3	4	0	30	7.50	63	
	1	36	20	3	0.20	.....
2	2	20	4	40	2.50	.....
	3	4	0	70	17.50	113	
	1	36	20	3	0.20	.....
3	2	20	4	52	3.25	.....
	3	4	0	115	28.75	170	
	1	36	20	3	0.20	.....
4	2	20	4	65	4.06	.....
	3	4	0	130	32.50	198	
	1	36	20	3	0.20	.....
5	2	20	4	90	5.63	.....
	3	4	0	130	32.50	223	
	1	36	20	3	0.20	.....
6	2	20	4	130	32.50	.....
	3	4	0	3	0.20	.....
	1	36	20	3	0.20	.....

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					Total time decom- press min- utes	
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound		
			From	To				
38	7	2	20	4	100	6.25	.....
		3	4	0	130	32.50	233	
		1	36	20	3	0.20	.....
		2	20	4	110	6.88	.....
		3	4	0	130	32.50	243	
		1	36	20	3	0.20	.....
	8	2	20	4	120	7.50	.....
		3	4	0	130	32.50	253	
		Over 8	1	36	20	3	0.20
			2	20	4	140	8.75
			3	4	0	130	32.50	273
		½	1	38	22	3	0.20
	2		22	6	16	1.00	.....
	3		6	0	9	1.50	28	
	1		1	38	22	3	0.20
			2	22	6	16	1.00
			3	6	0	30	5.00	49
	1½	1	38	22	3	0.20	.....
		2	22	6	20	1.25	.....
		3	6	0	50	8.34	73	
		2	1	38	22	3	0.20
			2	22	6	30	1.88
			3	6	0	95	15.83	128
	3	1	38	22	3	0.20	.....
		2	22	6	35	2.19	.....
		3	6	0	140	23.35	178	
	4	1	38	22	3	0.20	.....
		2	22	6	50	3.12	.....
		3	6	0	150	25.00	203	
		5	1	38	22	3	0.20
			2	22	6	55	3.44
			3	6	0	165	27.50	223
	6	1	38	22	3	0.20	.....
		2	22	6	70	4.38	.....
		3	6	0	165	27.50	238	
		7	1	38	22	3	0.20
			2	22	6	85	5.32
			3	6	0	165	27.50	253
	8	1	38	22	3	0.20	.....
		2	22	6	95	5.93	.....
		3	6	0	165	27.50	263	
		Over 8	1	38	22	3	0.20
2			22	6	110	6.88	.....
3			6	0	165	27.50	278	
40	½	1	40	24	3	0.20	.....
		2	24	8	16	1.00	.....
		3	8	4	4	1.00	.....
		4	4	0	8	2.00	31	
		1	1	40	24	3	0.20
			2	24	8	16	1.00
	3		8	4	5	1.25	.....
	4		4	0	25	6.25	49	
	1½		1	40	24	3	0.20
			2	24	8	16	1.00
		3	8	4	20	5.00	.....
		4	4	0	45	11.25	84	
		2	2	40	24	3	0.20
			1	24	8	25	1.56
	3		8	4	20	5.00	.....
	4		4	0	95	23.75	143	
	3		1	40	24	3	0.20
			2	24	8	30	1.88
		3	8	4	30	7.50	.....
		4	4	0	120	30.00	183	
		4	1	40	24	3	0.20
			2	24	8	45	2.81

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes
			From	To			
42	5	3	8	4	35	8.75	.....
		4	4	0	130	32.50	213
		1	40	24	3	0.20	.....
		2	24	8	47	2.94	.....
	6	3	8	4	53	13.25	.....
		4	4	0	130	32.50	233
		1	40	24	3	0.20	.....
		2	24	8	55	3.44	.....
	7	3	8	4	60	15.00	.....
		4	4	0	130	32.50	248
		1	40	24	3	0.20	.....
		2	24	8	65	4.06	.....
	8	3	8	4	60	15.00	.....
		4	4	0	130	32.50	258
		1	40	24	3	0.20	.....
		2	24	8	75	4.70	.....
	Over 8	3	8	4	60	15.00	.....
		4	4	0	130	32.50	268
		1	40	24	3	0.20	.....
		2	24	8	95	5.93	.....
	½	3	8	4	60	15.00	.....
		4	4	0	130	32.50	288
		1	42	26	3	0.20	.....
		2	26	10	16	1.00	.....
	1	3	10	4	6	1.00	.....
		4	4	0	12	3.00	37
		1	42	26	3	0.20	.....
		2	26	10	16	1.00	.....
	1½	3	10	4	12	2.00	.....
		4	4	0	25	6.25	56
		1	42	26	3	0.20	.....
		2	26	10	16	1.00	.....
	2	3	10	4	23	3.83	.....
		4	4	0	60	15.00	102
		1	42	26	3	0.20	.....
		2	26	10	16	1.00	.....
	3	3	10	4	30	5.00	.....
		4	4	0	95	23.75	144
		1	42	26	3	0.20	.....
		2	26	10	16	1.00	.....
	4	3	10	4	50	8.34	.....
		4	4	0	120	30.00	189
		1	42	26	3	0.20	.....
		2	26	10	17	1.06	.....
	5	3	10	4	65	10.83	.....
		4	4	0	130	32.50	215
		1	42	26	3	0.20	.....
		2	26	10	27	1.69	.....
	6	3	10	4	85	14.18	.....
		4	4	0	130	32.50	245
		1	42	26	3	0.20	.....
		2	26	10	27	1.69	.....
	7	3	10	4	100	16.67	.....
		4	4	0	130	32.50	260
		1	42	26	3	0.20	.....
		2	26	10	30	1.88	.....
	8	3	10	4	100	16.67	.....
		4	4	0	130	32.50	263
		1	42	26	3	0.20	.....
		2	26	10	35	2.19	.....
	Over 8	3	10	4	100	16.67	.....
		4	4	0	130	32.50	268
		1	42	26	3	0.20	.....
		2	26	10	60	3.75	.....
		3	10	4	100	16.67	.....
		4	4	0	130	32.50	293

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data						
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes	
			From	To				
44	1/2	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	8	1.00	.....
		4	4	0	16	4.00	43	
	1	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	20	2.50	.....
		4	4	0	25	6.25	64	
	1 1/2	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	27	3.38	.....
		4	4	0	72	18.00	118	
	2	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	40	5.00	.....
		4	4	0	95	23.75	154	
	3	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	60	7.50	.....
		4	4	0	120	30.00	199	
	4	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	85	10.62	.....
		4	4	0	130	32.50	234	
	5	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	105	13.13	.....
		4	4	0	130	32.50	254	
	6	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	115	14.38	.....
		4	4	0	130	32.50	264	
	7	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	120	15.00	.....
		4	4	0	130	32.50	269	
	8	1	44	28	3	0.20	.....
		2	28	12	16	1.00	.....
		3	12	4	120	15.00	.....
		4	4	0	130	32.50	269	
	Over 8	1	44	28	3	0.20	.....
		2	28	12	40	2.50	.....
		3	12	4	120	15.00	.....
		4	4	0	130	32.50	293	
	46	1/2	1	46	30	3	0.20
			2	30	14	16	1.00
			3	14	4	10	1.00
			4	4	0	15	3.75	44
1		1	46	30	3	0.20	.....
		2	30	14	16	1.00	.....
		3	14	4	25	2.50	.....
		4	4	0	30	7.50	74	
1 1/2		1	46	30	3	0.20	.....
		2	30	14	16	1.00	.....
		3	14	4	35	3.50	.....
		4	4	0	85	21.20	139	
2		1	46	30	3	0.20	.....
		2	30	14	16	1.00	.....
		3	14	4	47	4.70	.....
		4	4	0	105	26.25	171	
3		1	46	30	3	0.20	.....
		2	30	14	16	1.00	.....
		3	14	4	65	6.50	.....
		4	4	0	130	32.50	214	
4		1	46	30	3	0.20	.....
		2	30	14	16	1.00	.....

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data							
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	Total time decom- press min- utes		
			From	To					
48	5	3	14	4	95	9.50	.....	
		4	4	0	130	32.50	244		
		1	46	30	3	0.20	.....	
		2	30	14	16	1.00	.....	
		3	14	4	120	12.00	.....	
		4	4	0	130	32.50	269		
		6	1	46	30	3	0.20	.....
			2	30	14	16	1.00	.....
			3	14	4	125	12.50	.....
			4	4	0	130	32.50	274	
			7	1	46	30	3	0.20
				2	34	14	16	1.00
	3	10		4	140	14.00	.....	
	8	4	4	0	130	32.50	289		
		1	46	30	3	0.20	.....	
		2	30	14	16	1.00	.....	
	Over 8	3	14	4	150	15.00	.....	
		4	4	0	130	32.50	299		
		1	46	30	3	0.20	.....	
		2	30	14	25	1.56	.....	
		3	14	4	160	16.00	.....	
		4	4	0	130	32.50	318		
	48	½	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	12	1.00	.....
			4	4	0	20	5.00	51	
		1	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	35	2.92	.....
			4	4	0	35	8.75	89	
		1½	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	45	3.75	.....
			4	4	0	80	20.00	144	
		2	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	60	5.00	.....
			4	4	0	110	27.50	189	
		3	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	90	7.50	.....
			4	4	0	120	30.00	229	
		4	1	48	32	3	0.20	.....
			2	32	16	16	1.00	.....
			3	16	4	120	10.00	.....
			4	4	0	130	32.50	269	
	5	1	48	32	3	0.20	.....	
		2	32	16	16	1.00	.....	
3		16	4	140	11.67	.....		
4		4	0	130	32.50	209			
6	1	48	32	3	0.20	.....		
	2	32	16	16	1.00	.....		
	3	16	4	160	13.33	.....		
	4	4	0	130	32.50	309			
7	1	48	32	3	0.20	.....		
	2	32	16	16	1.00	.....		
	3	16	4	170	14.17	.....		
	4	4	0	130	32.50	.....		
8	1	48	32	3	0.20	.....		
	2	32	16	16	1.00	.....		
	3	16	4	170	14.17	.....		
	4	4	0	130	32.50	.....		
50	½	1	50	34	3	0.20	.....	
		2	34	18	16	1.00	.....	
		3	18	4	14	1.00	.....	
		4	4	0	25	6.25	58		

DECOMPRESSION TABLE NO. 2—Continued

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					Total time decom- press min- utes
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	
			From	To			
	1	1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	40	2.86	.....
		4	4	0	35	8.75	94
	1½	1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	55	3.93	.....
		4	4	0	90	22.50	164
	2	1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	70	5.00	.....
		4	4	0	120	30.00	209
	3	1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	100	7.15	.....
		4	4	0	130	32.50	249
	4	1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	130	8.58	.....
		4	4	0	130	32.50	279
5	1	50	34	3	0.20	.....
	2	34	18	16	1.00	.....
	3	18	4	160	11.42	.....

DECOMPRESSION TABLE NO. 2—CONTINUED

[Do not interpolate, use next higher value for conditions not computed]

Working chamber pressure p.s.i.g.	Working period hours	Decompression data					Total time decom- press min- utes
		Stage No.	Pressure reduc. p.s.i.g.		Time in stage min- utes	Pressure reduc. rate Min/pound	
			From	To			
	6	4	4	0	130	32.50	309
		1	50	34	3	0.20	.....
		2	34	18	16	1.00	.....
		3	18	4	180	12.85	.....
		4	4	0	130	32.50	329

[44 FR 8577, Feb. 9, 1979; 44 FR 20940, Apr. 6, 1979; as amended at 58 FR 35311, June 30, 1993]

Subpart T—Demolition

AUTHORITY: Sec. 107, Contract Work Hours and Safety Standards Act (Construction Safety Act) (40 U.S.C. 333); secs. 4, 6, 8, Occupational Safety and Health Act of 1970 (29 U.S.C. 653, 655, 657); Secretary of Labor's Order No. 12-71 (36 FR 8754), 8-76 (41 FR 25059), or 9-83 (48 FR 35736), as applicable.

§ 1926.850 Preparatory operations.

(a) Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of

unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.

(b) When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.

(c) All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each