

481—210.4(88) Adoption by reference. The rules beginning at 1910.20 and continuing through 1910, as adopted by the United States Secretary of Labor, shall be the rules for implementing Iowa Code chapter 88. This rule adopts the Federal Occupational Safety and Health Standards of 29 CFR, Chapter XVII, Part 1910, as published at 37 Fed. Reg. 22102 to 22324 (October 18, 1972) and as amended at:

37 Fed. Reg. 23719 (November 8, 1972)
37 Fed. Reg. 24749 (November 21, 1972)
38 Fed. Reg. 3599 (February 8, 1973)
38 Fed. Reg. 9079 (April 10, 1973)
38 Fed. Reg. 10932 (May 3, 1973)
38 Fed. Reg. 14373 (June 1, 1973)
38 Fed. Reg. 16223 (June 21, 1973)
38 Fed. Reg. 19030 (July 17, 1973)
38 Fed. Reg. 27048 (September 28, 1973)
38 Fed. Reg. 28035 (October 11, 1973)
38 Fed. Reg. 33397 (December 4, 1973)
39 Fed. Reg. 1437 (January 9, 1974)
39 Fed. Reg. 3760 (January 29, 1974)
39 Fed. Reg. 6110 (February 19, 1974)
39 Fed. Reg. 9958 (March 15, 1974)
39 Fed. Reg. 19468 (June 3, 1974)
39 Fed. Reg. 35896 (October 4, 1974)
39 Fed. Reg. 41846 (December 3, 1974)
39 Fed. Reg. 41848 (December 3, 1974)
40 Fed. Reg. 3982 (January 27, 1975)
40 Fed. Reg. 13439 (March 26, 1975)
40 Fed. Reg. 18446 (April 28, 1975)
40 Fed. Reg. 23072 (May 28, 1975)
40 Fed. Reg. 23743 (June 2, 1975)
40 Fed. Reg. 24522 (June 9, 1975)
40 Fed. Reg. 27369 (June 27, 1975)
40 Fed. Reg. 31598 (July 28, 1975)
41 Fed. Reg. 11504 (March 19, 1976)
41 Fed. Reg. 13352 (March 30, 1976)
41 Fed. Reg. 35184 (August 20, 1976)
41 Fed. Reg. 46784 (October 22, 1976)
41 Fed. Reg. 55703 (December 21, 1976)
42 Fed. Reg. 2956 (January 14, 1977)
42 Fed. Reg. 3304 (January 18, 1977)
42 Fed. Reg. 45544 (September 9, 1977)
42 Fed. Reg. 46540 (September 16, 1977)
42 Fed. Reg. 37668 (July 22, 1977)
43 Fed. Reg. 11527 (March 17, 1978)
43 Fed. Reg. 19624 (May 5, 1978)
43 Fed. Reg. 27394 (June 23, 1978)
43 Fed. Reg. 27434 (June 23, 1978)
43 Fed. Reg. 28472 (June 30, 1978)
43 Fed. Reg. 28473 (June 30, 1978)
43 Fed. Reg. 31330 (July 21, 1978)
43 Fed. Reg. 35032 (August 8, 1978)
43 Fed. Reg. 45809 (October 3, 1978)
43 Fed. Reg. 49744 (October 24, 1978)
43 Fed. Reg. 51759 (November 7, 1978)

43 Fed. Reg. 53007 (November 14, 1978)
43 Fed. Reg. 56893 (December 5, 1978)
43 Fed. Reg. 57602 (December 8, 1978)
44 Fed. Reg. 5447 (January 26, 1979)
44 Fed. Reg. 50338 (August 28, 1979)
44 Fed. Reg. 60981 (October 23, 1979)
44 Fed. Reg. 68827 (November 30, 1979)
45 Fed. Reg. 6713 (January 29, 1980)
45 Fed. Reg. 8594 (February 8, 1980)
45 Fed. Reg. 12417 (February 26, 1980)
45 Fed. Reg. 35277 (May 23, 1980)
45 Fed. Reg. 41634 (June 20, 1980)
45 Fed. Reg. 54333 (August 15, 1980)
45 Fed. Reg. 60703 (September 12, 1980)
46 Fed. Reg. 4056 (January 16, 1981)
46 Fed. Reg. 6288 (January 21, 1981)
46 Fed. Reg. 24557 (May 1, 1981)
46 Fed. Reg. 32022 (June 19, 1981)
46 Fed. Reg. 40185 (August 7, 1981)
46 Fed. Reg. 2632 (August 21, 1981)
46 Fed. Reg. 42632 (August 21, 1981)
46 Fed. Reg. 45333 (September 11, 1981)
46 Fed. Reg. 60775 (December 11, 1981)
47 Fed. Reg. 39161 (September 7, 1982)
47 Fed. Reg. 51117 (November 12, 1982)
47 Fed. Reg. 53365 (November 26, 1982)
48 Fed. Reg. 2768 (January 21, 1983)
48 Fed. Reg. 9641 (March 8, 1983)
48 Fed. Reg. 9776 (March 8, 1983)
48 Fed. Reg. 29687 (June 28, 1983)
49 Fed. Reg. 881 (January 6, 1984)
49 Fed. Reg. 4350 (February 3, 1984)
49 Fed. Reg. 5321 (February 10, 1984)
49 Fed. Reg. 25796 (June 22, 1984)
50 Fed. Reg. 1050 (January 9, 1985)
50 Fed. Reg. 4648 (February 1, 1985)
50 Fed. Reg. 9800 (March 12, 1985)
50 Fed. Reg. 36992 (September 11, 1985)
50 Fed. Reg. 37353 (September 13, 1985)
50 Fed. Reg. 41494 (October 11, 1985)
50 Fed. Reg. 51173 (December 13, 1985)
51 Fed. Reg. 22733 (June 20, 1986)
51 Fed. Reg. 24325 (July 3, 1986)
51 Fed. Reg. 25053 (July 10, 1986)
51 Fed. Reg. 33033 (September 18, 1986)
51 Fed. Reg. 33260 (September 19, 1986)
51 Fed. Reg. 34560 (September 29, 1986)
51 Fed. Reg. 45663 (December 19, 1986)
52 Fed. Reg. 16241 (May 4, 1987)
52 Fed. Reg. 17753 (May 12, 1987)
52 Fed. Reg. 34562 (September 11, 1987)
52 Fed. Reg. 36026 (September 25, 1987)

52 Fed. Reg. 36387 (September 28, 1987)
52 Fed. Reg. 46291 (December 4, 1987)
52 Fed. Reg. 49624 (December 31, 1987)
53 Fed. Reg. 6629 (March 2, 1988)
53 Fed. Reg. 8352 (March 14, 1988)
53 Fed. Reg. 11436 (April 6, 1988)
53 Fed. Reg. 12120 (April 12, 1988)
53 Fed. Reg. 16838 (May 11, 1988)
53 Fed. Reg. 17695 (May 18, 1988)
53 Fed. Reg. 27346 (July 20, 1988)
53 Fed. Reg. 27960 (July 26, 1988)
53 Fed. Reg. 34736 (September 8, 1988)
53 Fed. Reg. 35625 (September 14, 1988)
53 Fed. Reg. 37080 (September 23, 1988)
53 Fed. Reg. 38162 (September 29, 1988)
53 Fed. Reg. 39581 (October 7, 1988)
53 Fed. Reg. 45080 (November 8, 1988)
53 Fed. Reg. 47188 (November 22, 1988)
53 Fed. Reg. 49981 (December 13, 1988)
54 Fed. Reg. 2920 (January 19, 1989)
54 Fed. Reg. 6888 (February 15, 1989)
54 Fed. Reg. 9317 (March 6, 1989)
54 Fed. Reg. 12792 (March 28, 1989)
54 Fed. Reg. 28054 (July 5, 1989)
54 Fed. Reg. 29274 (July 11, 1989)
54 Fed. Reg. 29545 (July 13, 1989)
54 Fed. Reg. 30704 (July 21, 1989)
54 Fed. Reg. 31456 (July 28, 1989)
54 Fed. Reg. 31765 (August 1, 1989)
54 Fed. Reg. 36687 (September 1, 1989)
54 Fed. Reg. 36767 (September 5, 1989)
54 Fed. Reg. 37531 (September 11, 1989)
54 Fed. Reg. 41364 (October 6, 1989)
54 Fed. Reg. 46610 (November 6, 1989)
54 Fed. Reg. 47513 (November 15, 1989)
54 Fed. Reg. 49971 (December 4, 1989)
54 Fed. Reg. 50372 (December 6, 1989)
54 Fed. Reg. 52024 (December 20, 1989)
55 Fed. Reg. 3146 (January 30, 1990)
55 Fed. Reg. 3300 (January 31, 1990)
55 Fed. Reg. 3723 (February 5, 1990)
55 Fed. Reg. 4998 (February 13, 1990)
55 Fed. Reg. 7967 (March 6, 1990)
55 Fed. Reg. 12110 (March 30, 1990)
55 Fed. Reg. 12819 (April 6, 1990)
55 Fed. Reg. 13696 (April 11, 1990)
55 Fed. Reg. 14073 (April 13, 1990)
55 Fed. Reg. 19259 (May 9, 1990)
55 Fed. Reg. 25094 (June 10, 1990)
55 Fed. Reg. 26431 (June 28, 1990)
55 Fed. Reg. 32014 (August 6, 1990)
55 Fed. Reg. 38677 (September 20, 1990)

55 Fed. Reg. 46053 (November 1, 1990)
55 Fed. Reg. 46949 (November 8, 1990)
55 Fed. Reg. 50686 (December 10, 1990)
56 Fed. Reg. 15832 (April 18, 1991)
56 Fed. Reg. 24686 (May 31, 1991)
56 Fed. Reg. 43700 (September 4, 1991)
56 Fed. Reg. 64175 (December 6, 1991)
57 Fed. Reg. 6403 (February 24, 1992)
57 Fed. Reg. 7847 (March 4, 1992)
57 Fed. Reg. 7878 (March 5, 1992)
57 Fed. Reg. 22307 (May 27, 1992)
57 Fed. Reg. 24330 (June 8, 1992)
57 Fed. Reg. 24701 (June 10, 1992)
57 Fed. Reg. 27160 (June 18, 1992)
57 Fed. Reg. 29204 (July 1, 1992)
57 Fed. Reg. 29206 (July 1, 1992)
57 Fed. Reg. 35666 (August 10, 1992)
57 Fed. Reg. 42388 (September 14, 1992)
58 Fed. Reg. 4549 (January 14, 1993)
58 Fed. Reg. 15089 (March 19, 1993)
58 Fed. Reg. 16496 (March 29, 1993)
58 Fed. Reg. 21778 (April 23, 1993)
58 Fed. Reg. 34845 (June 29, 1993)
58 Fed. Reg. 35308 (June 30, 1993)
58 Fed. Reg. 35340 (June 30, 1993)
58 Fed. Reg. 40191 (July 27, 1993)
59 Fed. Reg. 4435 (January 31, 1994)
59 Fed. Reg. 6169 (February 9, 1994)
59 Fed. Reg. 16360 (April 6, 1994)
59 Fed. Reg. 26115 (May 19, 1994)
59 Fed. Reg. 33661 (June 30, 1994)
59 Fed. Reg. 33910 (July 1, 1994)
59 Fed. Reg. 36699 (July 19, 1994)
59 Fed. Reg. 40729 (August 9, 1994)
59 Fed. Reg. 41057 (August 10, 1994)
59 Fed. Reg. 43270 (August 22, 1994)
59 Fed. Reg. 51741 (October 12, 1994)
59 Fed. Reg. 65948 (December 22, 1994)
60 Fed. Reg. 9624 (February 21, 1995)
60 Fed. Reg. 11194 (March 1, 1995)
60 Fed. Reg. 33344 (June 28, 1995)
60 Fed. Reg. 33984 (June 29, 1995)
60 Fed. Reg. 47035 (September 8, 1995)
60 Fed. Reg. 52859 (October 11, 1995)
61 Fed. Reg. 5508 (February 13, 1996)
61 Fed. Reg. 9230 (March 7, 1996)
61 Fed. Reg. 9583 (March 8, 1996)
61 Fed. Reg. 19548 (May 2, 1996)
61 Fed. Reg. 21228 (May 9, 1996)
61 Fed. Reg. 31430 (June 20, 1996)
61 Fed. Reg. 43456 (August 23, 1996)
61 Fed. Reg. 56831 (November 4, 1996)

62 Fed. Reg. 1600 (January 10, 1997)
62 Fed. Reg. 29668 (June 2, 1997)
62 Fed. Reg. 40195 (July 25, 1997)
62 Fed. Reg. 42018 (August 4, 1997)
62 Fed. Reg. 42666 (August 8, 1997)
62 Fed. Reg. 43581 (August 14, 1997)
62 Fed. Reg. 48175 (September 15, 1997)
62 Fed. Reg. 54383 (October 20, 1997)
62 Fed. Reg. 65203 (December 11, 1997)
62 Fed. Reg. 66276 (December 18, 1997)
63 Fed. Reg. 1269 (January 8, 1998)
63 Fed. Reg. 13339 (March 19, 1998)
63 Fed. Reg. 17093 (April 8, 1998)
63 Fed. Reg. 20098 (April 23, 1998)
63 Fed. Reg. 33467 (June 18, 1998)
63 Fed. Reg. 50729 (September 22, 1998)
63 Fed. Reg. 66038 (December 1, 1998)
63 Fed. Reg. 66270 (December 1, 1998)
64 Fed. Reg. 13700 (March 22, 1999)
64 Fed. Reg. 13908 (March 23, 1999)
64 Fed. Reg. 22552 (April 27, 1999)
65 Fed. Reg. 76567 (December 7, 2000)
66 Fed. Reg. 5324 (January 18, 2001)
66 Fed. Reg. 18191 (April 6, 2001)
67 Fed. Reg. 67961 (November 7, 2002)
68 Fed. Reg. 75780 (December 31, 2003)
69 Fed. Reg. 7363 (February 17, 2004)
69 Fed. Reg. 31881 (June 8, 2004)
69 Fed. Reg. 46993 (August 4, 2004)
70 Fed. Reg. 53929 (September 13, 2005)
70 Fed. Reg. 1140 (January 5, 2005)
71 Fed. Reg. 10373 (February 28, 2006)
71 Fed. Reg. 36008 (June 23, 2006)
71 Fed. Reg. 63242 (October 30, 2006)
72 Fed. Reg. 7190 (February 14, 2007)
72 Fed. Reg. 64428 (November 15, 2007)
72 Fed. Reg. 71068 (December 14, 2007)
73 Fed. Reg. 75583 (December 12, 2008)
68 Fed. Reg. 32638 (June 2, 2003)
74 Fed. Reg. 46355 (September 9, 2009)
74 Fed. Reg. 40447 (August 11, 2009)
75 Fed. Reg. 12685 (March 17, 2010)
76 Fed. Reg. 33606 (June 8, 2011)
76 Fed. Reg. 75786 (December 5, 2011)
77 Fed. Reg. 17764 (March 26, 2012)
76 Fed. Reg. 80738 (December 27, 2011)
77 Fed. Reg. 37598 (June 22, 2012)
77 Fed. Reg. 46949 (August 7, 2012)
78 Fed. Reg. 9313 (February 8, 2013)
78 Fed. Reg. 69549 (November 20, 2013)
79 Fed. Reg. 20629 (April 11, 2014)
79 Fed. Reg. 56960 (September 24, 2014)

- 80 Fed. Reg. 60036 (October 5, 2015)
- 81 Fed. Reg. 16090 (March 25, 2016)
- 81 Fed. Reg. 16861 (March 25, 2016)
- 81 Fed. Reg. 82981 (November 18, 2016)
- 82 Fed. Reg. 2735 (January 9, 2017)
- 83 Fed. Reg. 19948 (May 7, 2018)
- 84 Fed. Reg. 21457 (May 14, 2019)
- 84 Fed. Reg. 50755 (September 26, 2019)
- 84 Fed. Reg. 68795 (December 17, 2019)
- 85 Fed. Reg. 8731 (February 18, 2020)
- 86 Fed. Reg. 32620 (June 21, 2021)
- 86 Fed. Reg. 32620 (June 22, 2021)
- 83 Fed. Reg. 31045 (July 3, 2018)
- 85 Fed. Reg. 42625 (July 14, 2020)
- 89 Fed. Reg. 44144 (May 20, 2024)
- 89 Fed. Reg. 81829 (October 9, 2024)

[**ARC 8411C**, IAB 11/27/24, effective 11/6/24; **ARC 9069C**, IAB 4/2/25, effective 3/12/25; Editorial change: IAC Supplement 7/9/25]