

**NORTH CAROLINA DEPARTMENT OF LABOR
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
RALEIGH, NORTH CAROLINA**

Field Information System
NCAC, Chapter 7, Subchapter 7F

CFR Revision 137
CFR II

**Lead
Subpart Z, 29 CFR 1910.1025, General Industry
Lifting of Judicial Stay and Technical Amendments**

DISCUSSION:

Federal OSHA originally promulgated the Occupational Exposure to Lead standard on November 14, 1978 which established a PEL of 50 ug/m³ based on an 8-hour time-weighted average. Paragraph (e)(1) of that standard requires that, to the extent feasible, employers achieve a PEL of 50 ug/m³ through engineering controls and work practice controls. This standard was challenged by both industry and labor. The issue has remained in the court system for over fifteen years. After numerous feasibility findings, the courts have found that it is technologically and economically feasible for all industries except brass and bronze ingot manufacturers to attain a PEL of 50 ug/m³ through engineering controls and work practice. Therefore, the stay for all lead chemical manufacturers, copper smelters and large nonferrous foundries (those with 20 or more employees) was lifted effective July 19, 1991, which required these employers to implement engineering and work practice controls to achieve a PEL of 50 ug/m³ within 5 years. Small nonferrous foundries (those with less than 20 employees) must achieve an airborne lead concentration of 75 ug/m³ by July 19, 1996. [See Table I of 1910.1025]

The court remanded the economic record regarding brass and bronze ingot manufacturers to OSHA for feasibility study. Federal OSHA concluded that an airborne lead concentration of 75 ug/m³ measured as an 8-hour TWA, is the lowest economically feasible level that can be achieved by the brass and bronze ingot manufacturing industry as a whole by engineering and work practice controls. Employers in the industry are required, therefore, to reduce airborne concentrations of lead to that level. The industry has six years from the date the court lifted the existing stay to do so.

ACTION:

This final rule at 29 CFR 1910.1025 was adopted verbatim in North Carolina by the Commissioner of Labor with an effective date of April 1, 1996. A copy of the regulatory text from the [Federal Register](#) is attached.

This adoption cancels Standards Notice 51.

Please file this NC CFR Revision in CFR II of your Field Information System.

Date: 4/17/1996

Charles N. Jeffress, Director
Division of Occupational Safety and Health
(Signed on Original)

Filing Date: March 28, 1996

NC Effective Date: April 1, 1996 with delayed effective dates re: lifting of judicial stay

NCAC Amendment found at:13 NCAC 7F.0101(b)(6)(D)

(A) Repaid or agreed to repay the amount of the tax to the person that exported the ODC; or

(B) Obtained the written consent of the exporter to the allowance of the credit or the making of the refund.

(4) *Procedural rules.* See section 6402 and the regulations under that section for procedural rules relating to filing a claim for credit or refund of tax.

(g) *Examples.* The following examples illustrate the provisions of this section. In each example, the sales are qualifying sales for export (within the meaning of paragraph (d)(1) of this section), all registration, certification, and documentation requirements of this section are met, and the ODCs sold for export are exported:

Example 1. (i) *Facts.* D, a corporation, manufactures CFC-11, a post-1989 ODC, and does not manufacture or import any other ODCs. In 1993, D manufactures 100,000 pounds of CFC-11, the maximum quantity D is allowed to manufacture in 1993 under EPA regulations. D has no additional production allowance from EPA for 1993. In 1993, the tax on CFC-11 is \$3.35 per pound. D's 1986 export percentage for post-1989 ODCs is 50%. In 1993, D sells 80,000 pounds of CFC-11 in qualifying sales for export. The remainder of D's production is not exported.

(ii) *Components of limit on tax benefit.*

Under paragraph (c)(1) of this section, D's exemption amount for 1993 is equal to the sum of—

(A) D's 1986 export percentage multiplied by the aggregate tax that would (but for section 4682(d), section 4682(g), and § 52.4682-5) be imposed under section 4681 on the maximum quantity of post-1989 ODCs D is permitted to manufacture during 1993;

(B) The aggregate tax that would (but for section 4682(d), section 4682(g), and § 52.4682-5) be imposed under section 4681 on post-1989 ODCs that D manufactures during 1993 under an additional production allowance; and

(C) The aggregate tax that would (but for section 4682(d), section 4682(g), and § 52.4682-5) be imposed under section 4681 on post-1989 ODCs imported by D during 1993.

(iii) *Limit on tax benefit.* The amounts described in paragraphs (ii)(B) and (C) of this *Example 1* are equal to zero. Thus, D's 1993 exemption amount is \$167,500 (50% of \$335,000 (the tax that would otherwise be imposed on 100,000 pounds of CFC-11 in 1993)).

(iv) *Application of limit on tax benefit.* Under paragraph (b)(2) of this section, the tax imposed on the CFC-11 D sells for export is equal to the excess of the tax that would have been imposed on those ODCs but for section 4682(d) and § 52.4682-5, over D's 1993 exemption amount. But for § 52.4682-5, \$268,000 (\$3.35 x 80,000) of tax would have been imposed on the CFC-11 sold for export. Thus, \$100,500 (\$268,000 - \$167,500) of tax is imposed on the CFC-11 sold for export.

Example 2. (i) *Facts.* E, a corporation, manufactures CFC-11, a post-1989 ODC, and does not manufacture or import any other

ODCs. In 1993, E manufactures 100,000 pounds of CFC-11, the maximum quantity E is allowed to manufacture in 1993 under EPA regulations. E has no additional production allowance from EPA for 1993. In 1993, the tax on CFC-11 is \$3.35 per pound. E's 1986 export percentage for post-1989 ODCs is 50%. In 1993, E sells 45,000 pounds of CFC-11 tax free in qualifying sales for export and pays tax under section 4681 on an additional 35,000 pounds of exported CFC-11. The remainder of E's production is not exported.

(ii) *Limit on tax benefit.* E's 1993 exemption amount is \$167,500, (50% of \$335,000 (the tax that would otherwise be imposed on 100,000 pounds of CFC-11 in 1993)). The credit or refund allowed to E under paragraph (f) of this section is limited under paragraph (f)(2) of this section to the amount by which E's 1993 exemption amount exceeds E's 1993 tax benefit under paragraph (b) of this section.

(iii) *Application of limit on tax benefit.*

Because E sold 45,000 pounds of CFC-11 tax free in qualifying sales for export in 1993, E's 1993 tax benefit under paragraph (b) of this section is \$150,750 (\$3.35 x 45,000). Thus, the credit or refund allowed to E under paragraph (f) of this section is limited to \$16,750 (\$167,500 - \$150,750).

Example 3. (i) *Facts.* F, a corporation, manufactures CFC-11, a post-1989 ODC, and does not manufacture any other ODCs. F also imports CFC-11. In 1993, F manufactures 60,000 pounds of CFC-11 (100,000 pounds is the maximum quantity F is allowed to manufacture in 1993 under EPA regulations) and imports 40,000 pounds. F has no additional production allowance from EPA for 1993. In 1993, the tax on CFC-11 is \$3.35 per pound. F's 1986 export percentage for post-1989 ODCs is 50%. In 1993, F sells 45,000 pounds of CFC-11 tax free in qualifying sales for export and pays tax under section 4681 on an additional 35,000 pounds of exported CFC-11. The remainder of F's production is not exported.

(ii) *Limit on tax benefit.* F's 1993 exemption amount is \$301,500, (\$167,500 (50% of \$335,000 (the tax that would otherwise be imposed on 100,000 pounds of CFC-11 in 1993)) plus \$134,000 (the tax that would otherwise be imposed on the 40,000 pounds imported)). The credit or refund allowed to F under paragraph (f) of this section is limited under paragraph (f)(2) of this section to the amount by which F's 1993 exemption amount exceeds F's 1993 tax benefit under paragraph (b) of this section.

(iii) *Application of limit on tax benefit.* Because F sold 45,000 pounds of CFC-11 tax free in qualifying sales for export in 1993, F's 1993 tax benefit under paragraph (b) of this section is \$150,750 (\$3.35 x 45,000). Thus, the credit or refund allowed to F under paragraph (f) of this section is limited to \$150,750 (\$301,500 - \$150,750). The limitation does not affect F's credit or refund because the tax F paid on exported ODCs is only \$117,250 (\$3.35 x 35,000).

(h) *Effective date.* This section is effective January 1, 1993.

PART 602—OMB CONTROL NUMBERS UNDER THE PAPERWORK REDUCTION ACT

Par. 8. The authority citation for part 602 continues to read as follows:

Authority: 26 U.S.C. 7805.

Par. 9. In § 602.101, paragraph (c) is amended by revising the entries for 52.4682-2(b) and 52.4682-2(d) and adding entries in numerical order to the table to read as follows:

§ 602.601 OMB Control numbers.

* * * * *

(c) ***

CFR part or section where identified and described	Current OMB control No.
	* * * * *
52.4682-2(b)	1545-1153 1545-1361
52.4682-2(d)	1545-1153 1545-1361
	* * * * *
52.4682-5(d)	1545-1361
52.4682-5(f)	1545-1361
	* * * * *

Approved: August 31, 1995.

Margaret Milner Richardson,
Commissioner of Internal Revenue.

Cynthia G. Beerbower,
Deputy Assistant Secretary of the Treasury.
[FR Doc. 95-24603 Filed 10-10-95; 8:45 am]

BILLING CODE 4830-01-U

DEPARTMENT OF LABOR

Occupational Safety and Health Administration

29 CFR Part 1910

[Docket No. H-004 E, F, G, H, I, and J]

Occupational Exposure to Lead

AGENCY: Occupational Safety and Health Administration (OSHA), Labor.

ACTION: Amendments to final rule.

SUMMARY: This document embodies a determination by OSHA that it is economically feasible for the brass and bronze ingot manufacturing industry as a whole to achieve an air lead limit of 75 µg/m³ within six years by means of engineering and work practice controls. It amends Table I of paragraph (e)(1), the compliance Implementation Schedule, of the final rule on occupational exposure to lead, 29 CFR 1910.1025, to reflect that determination. This document also amends that Table based

on the lifting of a judicial stay on March 8, 1990 and July 19, 1991, for other, specific industries. The stay had been in effect with respect to compliance requirements set forth in paragraph (e)(1) of the lead standard. Accordingly, lead industries affected by the lifting of the stay must implement engineering and work practice controls in accordance with paragraph (e)(1) of the lead standard by the date specified for the particular industry in Table I of paragraph (e)(1), as amended.

In addition, this document makes technical changes and corrections to the standard, amending portions of the standard that are unclear, obsolete or inconsistent with current compliance requirements. It also amends certain information in the Appendices to 29 CFR 1910.1025 that may have been misleading.

EFFECTIVE DATE: October 11, 1995. The compliance dates for industries identified herein are set forth in Table I of paragraph (e)(1), below.

FOR FURTHER INFORMATION CONTACT: Ms. Anne Cyr, Acting Director of Information and Consumer Affairs, Occupational Safety and Health Administration, U.S. Department of Labor, Room N-3647, 200 Constitution Avenue, NW, Washington, DC 20010, telephone: (202) 219-8151.

SUPPLEMENTARY INFORMATION:

Background

On November 14, 1978, OSHA promulgated the lead standard (29 CFR 1910.1025), which established a permissible exposure limit (PEL) of 50 $\mu\text{g}/\text{m}^3$ based on an 8-hour time-weighted-average (TWA) (43 FR 52952; and see 43 FR 54354, November 21, 1978). Paragraph (e)(1) of the standard requires that, to the extent feasible, employers achieve the PEL of 50 $\mu\text{g}/\text{m}^3$ solely by means of engineering and work practice controls.

The standard was challenged by both industry and labor, with all cases transferred to the U. S. Court of Appeals for the District of Columbia. In *United Steelworkers of America v. Marshall*, 647 F. 2d 1189 (D.C. Cir. 1980), *cert. denied*, 453 U.S. 913 (1981), the Court affirmed most aspects of the regulation covering worker exposure to airborne lead. The Court also upheld OSHA's findings of feasibility for ten industries: primary lead production, secondary lead production, can manufacturing, lead acid battery manufacturing, paints and coatings manufacturing, ink manufacturing, wallpaper manufacturing, electronics, printing, and grey-iron foundries. However, the Court further found that OSHA had

failed to present adequate evidence of feasibility for 38 lead industries.

The Court remanded the record to OSHA for reconsideration of the technological and economic feasibility of paragraph (e)(1) and stayed enforcement of paragraph (e)(1) for those industries. Nonetheless, the Court held that the 38 industries were required to meet the PEL by a combination of engineering controls, work practices, and respiratory protection. Accordingly, the entire lead standard was in effect with two exceptions: (1) the requirement for the 38 remand industries that the PEL be achieved by engineering and work practice controls; and (2) the requirement that high efficiency filters be used in respirators, which had been stayed administratively by OSHA in 1979 (44 FR 5445).

In December 1981, OSHA published (46 FR 60758) and filed with the Court its statement of reasons that compliance with paragraph (e)(1) is feasible for all but nine of the remand industries, which, after recategorizing and adding other industries to the list, totaled 45 industries. The nine industries were: brass and bronze ingot manufacturing/production; collection and processing of scrap (including independent battery breaking); lead chemicals; lead chromate pigments; leaded steel; nonferrous foundries; secondary copper smelting; shipbuilding and ship repairing; and stevedoring. OSHA requested that the record for these nine be remanded again to the Agency for further consideration of economic and technological feasibility. In March 1987, the Court remanded the record to OSHA for these industries.

On July 11, 1989, after public hearings, OSHA published its determination that compliance with paragraph (e)(1) was both technologically and economically feasible for eight of the nine industries (54 FR 29142). For the ninth industry, nonferrous foundries, OSHA distinguished between large foundries (those with 20 or more employees) and small foundries (those with fewer than 20 employees). OSHA concluded that paragraph (e)(1) was feasible for large nonferrous foundries but was not economically feasible for small nonferrous foundries. On January 30, 1990, OSHA published its determination that achieving an airborne lead concentration of 75 $\mu\text{g}/\text{m}^3$ was economically feasible for small foundries (55 FR 3146).

On March 8, 1990, in response to OSHA's statement of reasons regarding the feasibility of paragraph (e)(1), the U.S. Court of Appeals for the D.C.

Circuit lifted the judicial stay for all remand industries except the six that contested OSHA's feasibility findings. The 39 industries for which the stay was lifted are: agricultural pesticides; aluminum smelting; ammunition manufacturing; artificial pearl processing; book binding; brick manufacturing; cable coating; cutlery; diamond processing; electroplating; explosives manufacturing; gasoline additive manufacturing; glass manufacturing; jewelry manufacturing; lamp manufacturing; lead burning; lead chromate pigments; leather manufacturing; machining; miscellaneous lead products; nickel smelting; pipe galvanizing; plastics and rubber manufacturing; plumbing; pottery and ceramics; primary and secondary smelting of gold, silver, and platinum; primary copper smelting; sheet metal manufacturing; shipbuilding and ship repair; solder manufacturing; soldering; spray painting; steel manufacturing (excluding leaded steel manufacturing); stevedoring; terne metal; textiles; telecommunications; tin rolling and plating; and zinc smelting. These industries were given two and one-half years (46 FR 60758, Dec. 11, 1981), from the date the stay was lifted, until September 8, 1992, to comply with the PEL by means of engineering and work practice controls.

The stay was continued for the six industries that asserted challenges to OSHA's feasibility findings. These industries are: nonferrous foundries; secondary copper smelting; brass and bronze ingot manufacturing; collection and processing of scrap (including independent battery breaking); leaded steel manufacturing; and lead chemicals manufacturing. On July 19, 1991, in *AISI v. OSHA*, 939 F.2d 975 (D.C. Cir. 1991), the Court affirmed OSHA's findings of technological and economic feasibility for all industries except the finding of economic feasibility for brass and bronze ingot manufacturing. Accordingly, the Court lifted the judicial stay for the other five industries.

Secondary copper smelters, lead chemical manufacturing, and large nonferrous foundries were allowed five years from July 19, 1991, the date of the Court's decision, to implement engineering and work practice controls to achieve the PEL of 50 $\mu\text{g}/\text{m}^3$. Small nonferrous foundries were allowed five years from that date to achieve an airborne lead concentration of 75 $\mu\text{g}/\text{m}^3$.

As to the sixth industry, brass and bronze ingot manufacturing, the stay remained in effect. The Court upheld OSHA's finding of technological

feasibility for that industry but remanded the record to OSHA for further consideration of economic feasibility. For all other lead industries the requirement to comply with paragraph (e)(1) is currently in effect.

In response to the remand, OSHA has reconsidered the record and has concluded that an airborne lead concentration of 75 ug/m³, measured as an 8-hour TWA, is the lowest, economically feasible level that can be achieved by the brass and bronze ingot manufacturing industry as a whole by engineering and work practice controls. Employers in the industry are required, therefore, to reduce airborne concentrations of lead to that level. The industry will have six years from the date the court lifts the existing stay to do so.

OSHA reached this conclusion based upon the evidence in the record as discussed and analyzed at 57 FR 29150–29162 (July 11, 1989). In particular, OSHA relied upon reliable data from OSHA's contractor JACA, showing that nearly three-quarters of all employees in ingot production were already exposed below 50 ug/m³ years ago. Data from recent OSHA inspections are similar. These data show that most employees are exposed below 50 ug/m³ and that 90% are exposed below 100 ug/m³. Taken together, these data suggest that only very limited costs will be incurred in reducing exposure levels in most operations, most of the time to lead in air concentrations at or below 75 ug/m³.

OSHA is assured of the economic feasibility of 75 ug/m³ for three additional reasons. First, OSHA recognizes that in the two most difficult operations to control to 75 ug/m³ by engineering and work practice controls, briquetting and baghouse maintenance, achieving that airborne concentration limit probably is not economically feasible for the industry as a whole. OSHA therefore is not seeking to prove economic feasibility for, or to impose the presumption of economic feasibility on, those operations. Second, in recognition of the economic constraints on the industry, OSHA is allowing employers six years from the date the court lifts the stay on paragraph (e) of the lead standard before employers have to come into compliance with the airborne concentration limit of 75 ug/m³. Employers, thus, can spread the costs of compliance over that time period. And finally, although OSHA did not rely upon it in determining economic feasibility, the fact that industry representatives recognize that 75 ug/m³ is economically feasible is strong confirmation of the accuracy of that determination.

This recognition by the industry is reflected in the settlement agreement signed on June 27, 1995 by OSHA and the Institute of Scrap Recycling Industries ("ISRI") and the Brass and Bronze Ingot Manufacturers, Inc. ("BBIM"), representing the brass and bronze ingot manufacturing industry. OSHA will incorporate the detailed terms of that agreement into a compliance directive applicable to the industry.

The new compliance dates that result from the stay being lifted, OSHA's determination of economic feasibility, and the settlement agreement are reflected in the Implementation Schedule (Table I) of paragraph (e)(1) of the standard, as amended.

Explanation of Technical Amendments and Corrections

1. Paragraph (e). Methods of compliance—(1) Engineering and work practice controls. The Implementation Schedule (Table I) of paragraph (e)(1) is being revised to reflect the current status of compliance dates for the engineering and work practice requirements for the lead industries as a result of the lifting of the stay on enforcement of paragraph (e)(1) for all of the remaining remain lead industries except brass and bronze ingot manufacturers. The revision of Table I also reflects OSHA's determination regarding economic feasibility for that industry and the settlement agreement between representatives of OSHA and the industry. In addition, reference to interim levels, which are now obsolete, is deleted.

2. Paragraph (e)(4). Bypass of interim level. Paragraph (e)(4) is deleted from 29 CFR 1910.1025 as the interim levels established in this paragraph at the time of promulgation of the lead standard are no longer relevant. To avoid confusion for readers and to maintain continuity of the regulatory text, paragraphs (e)(5) and (e)(6) are redesignated as paragraphs (e)(4) and (e)(5), respectively.

3. Paragraph (f)—Respiratory protection. Paragraph (f)(1)(i) is revised to delete the entire clause beginning with the word "except," which is based on interim levels that are no longer relevant.

4. Paragraph (j). Medical Surveillance.—Paragraph (j)(2)(ii) is revised to clarify that the requirement for follow-up blood sampling tests applies only to the 60 ug/100 g removal trigger and does not apply to the 50 ug/100 g trigger, which already involves an average rather than a single result to be confirmed.

5. Paragraph (k). Medical removal protection—(1) Temporary medical

removal and return of an employee—(i) Temporary removal due to elevated blood lead levels. Paragraphs (k)(1)(i)(A) and (B) are deleted in their entirety as they reference a phase-in schedule for medical removal protection that is no longer relevant. Paragraphs (k)(1)(i)(C) and (D) are revised to maintain consistency with current requirements and are redesignated as paragraphs (k)(1)(i)(A) and (B), respectively, to maintain continuity of the regulatory text.

Paragraphs (k)(1)(iii)(A)(1) and (2) are deleted since they reference interim levels that no longer apply, and paragraphs (k)(1)(iii)(A)(3) and (4) are redesignated as paragraphs (k)(1)(iii)(A)(1) and (2), respectively, to maintain continuity of the regulatory text.

6. This document also corrects several inadvertent errors and updates information in Appendix B and revises certain language in Appendix C which might otherwise be misleading.

With the exception of the amendments to Table I and the determination of economic feasibility for the brass and bronze ingot manufacturing industry, which were the subject of additional fact finding and a settlement agreement, the amendments and corrections described above are minor and not controversial. OSHA does not believe that there is a need to subject these technical amendments and corrections in which the public is not particularly interested to rulemaking or other public procedures (see 29 CFR 1911.5). Good cause is hereby found to dispense with such procedures in this instance. For the same reason, good cause is also found to make these changes effective immediately.

Authority and Signature

This document was prepared under the direction of Joseph A. Dear, Assistant Secretary of Labor for Occupational Safety and Health, 200 Constitution Avenue, N.W., Washington, DC 20210.

This action is taken pursuant to sections 6(b) and 8(c) of the Occupational Safety and Health Act of 1970 (84 Stat. 1593, 1597, 1599, 29 U.S.C 653, 655, 657), Secretary of Labor's Order No. 1-90 (55 FR 9033) and 29 CFR part 1911 and 33 U.S.C 941. Part 1910, Title 29, Code of Federal Regulations, is hereby amended as set forth below.

List of Subjects in 29 CFR Part 1910

Lead, Occupational Safety and Health.

Signed at Washington, D.C., this 2nd day of October, 1995.

Joseph A. Dear,
Assistant Secretary of Labor.

Part 1910 of Title 29 of the Code of Federal Regulations is hereby amended as set forth below:

PART 1910—[AMENDED]

1. The authority citation for Subpart Z of Part 1910 continues to read as follows:

Authority: Secs. 6, 8 Occupational Safety and Health Act, 29 U.S.C. 655, 657; Secretary of Labor's Orders 12-71 (36 FR 8754), 8-76 (41 FR 25059), 9-83 (48 FR 35736), or 1-90 (55 FR 9033), as applicable; and 29 CFR Part 1911.

All of subpart Z issued under section 6(b) of the Occupational Safety and Health Act, except those substances which have exposure limits listed in Tables Z-1, Z-2, and Z-3 of 29 CFR 1910.1000. The latter were issued under section 6(a) (29 U.S.C. 655(a)).

Section 1910.1000 Tables Z-1, Z-2, Z-3 also issued under 5 U.S.C. 553. Section 1910.1000, Table Z-1, Z-2, and Z-3 not issued under 29 CFR part 1911 except for the arsenic (organic compounds), benzene, and cotton dust listings.

Section 1910.1001 also issued under Sec. 107 of Contract Work Hours and Safety Standards Act, 40 U.S.C. 333 and 5 U.S.C. 553.

Section 1910.1002 not issued under 29 U.S.C. 655 or 29 CFR Part 1911; also issued under 5 U.S.C. 553.

Section 1910.1003 through 1910.1018 also issued under 29 U.S.C. 653.

Section 1910.1025 also issued under 29 U.S.C. 653 and 5 U.S.C. 553.

Section 1910.1028 also issued under 29 U.S.C. 653.

Section 1910.1030 also issued under 29 U.S.C. 653.

Section 1910.1043 also issued under 5 U.S.C. 551 et seq.

Sections 1910.1045 and 1910.1047 also issued under 29 U.S.C. 653.

Section 1910.1048 also issued under 29 U.S.C. 653.

Sections 1910.1200, 1910.1499 and 1910.1500 also issued under 5 U.S.C. 553.

Section 1910.1450 is also issued under secs. 6(b), 8(c) and 8(g)(2), Pub. L. 91-596, 84 Stat. 1593, 1955, 1600; 29 U.S.C. 655, 657.

2. Section 1910.1025 is amended by revising Table I in paragraph (e)(1)(ii), and paragraphs (f)(1)(i), (j)(2)(ii), and (k)(1)(i);

3. By removing paragraph (e)(4) and redesignating paragraphs (e)(5) and (6) as paragraphs (e)(4) and (5);

4. By removing paragraphs (k)(1)(i)(A) and (B) and redesignating paragraphs (k)(1)(i)(C) and (D) as (k)(1)(i)(A) and (B); and

5. By removing paragraphs (k)(1)(iii)(A)(1) and (2), and redesignating paragraphs (k)(1)(iii)(A)(3) and (4) as paragraphs (k)(1)(iii)(A)(1) and (2).

§ 1910.1025 Lead.

* * * * *

(e) *Methods of compliance—(1) Engineering and work practice controls.*
(ii) * * *

TABLE I

Industry	Compliance dates: ¹ (50 µg/m ³)
Lead chemicals, secondary copper smelting.	July 19, 1996.
Nonferrous foundries	July 19, 1996. ²
Brass and bronze ingot manufacture.	6 years. ³

¹ Calculated by counting from the date the stay on implementation of paragraph (e)(1) was lifted by the U.S. Court of Appeals for the District of Columbia, the number of years specified in the 1978 lead standard and subsequent amendments for compliance with the PEL of 50 µg/m³ for exposure to airborne concentrations of lead levels for the particular industry.

² Large nonferrous foundries (20 or more employees) are required to achieve the PEL of 50 µg/m³ by means of engineering and work practice controls. Small nonferrous foundries (fewer than 20 employees) are required to achieve an 8-hour TWA of 75 µg/m³ by such controls.

³ Expressed as the number of years from the date on which the Court lifts the stay on the implementation of paragraph (e)(1) for this industry for employers to achieve a lead in air concentration of 75 µg/m³. Compliance with paragraph (e) in this industry is determined by a compliance directive that incorporates elements from the settlement agreement between OSHA and representatives of the industry.

* * * * *

(f) Respiratory protection.

(1) * * *

(i) During the time period necessary to install and implement engineering or work practice controls.

* * * * *

(j) * * *

(2) * * *

(ii) Follow-up blood sampling tests.

Whenever the results of a blood lead level test indicate that an employee's blood lead level exceeds the numerical criterion for medical removal under paragraph (k)(1)(i)(A) of this section, the employer shall provide a second (follow-up) blood sampling test within two weeks after the employer receives the results of the first blood sampling test.

* * * * *

(k) * * *

(1) * * *

(i) *Temporary removal due to elevated blood lead levels.* (A) The employer shall remove an employee from work having an exposure to lead at or above the action level on each occasion that a periodic and a follow-up blood sampling test conducted pursuant to

this section indicate that the employee's blood lead level is at or above 60 µg/100 g of whole blood; and

(B) The employer shall remove an employee from work having an exposure to lead at or above the action level on each occasion that the average of the last three blood sampling tests conducted pursuant to this section (or the average of all blood sampling tests conducted over the previous six (6) months, whichever is longer) indicates that the employee's blood lead level is at or above 50 µg/100 g of whole blood; provided, however, that an employee need not be removed if the last blood sampling test indicates a blood lead level at or below 40 µg/100 g of whole blood.

* * * * *

6. In § 1910.1025, Appendix B is amended as follows:

Section XV, For Additional Information, Part A, and item 9 are revised and new items 10 through 14 are added to read as follows:

* * * * *

XV. * * *

A. Copies of the Standard and explanatory material may be obtained by writing or calling the OSHA Docket Office, U.S. Department of Labor, room N2634, 200 Constitution Avenue, N.W., Washington, DC 20210. Telephone: (202) 219-7894.

* * * * *

9. Revision to the standard and an additional appendix (Appendix D), **Federal Register**, Vol. 47, pp. 51117-51119, November 12, 1982.

10. Notice of reopening of lead rulemaking for nine remand industry sectors, **Federal Register**, vol. 53, pp. 11511-11513, April 7, 1988.

11. Statement of reasons, **Federal Register**, vol. 54, pp. 29142-29275, July 11, 1989.

12. Statement of reasons, **Federal Register**, vol. 55, pp. 3146-3167, January 30, 1990.

13. Correction to appendix B, **Federal Register**, vol. 55, pp. 4998-4999, February 13, 1991.

14. Correction to appendices, **Federal Register**, vol. 56, p. 24686, May 31, 1991.

* * * * *

7. Appendix C to § 1910.1025, Section I. Medical Surveillance and Monitoring Requirements for Workers Exposed to Inorganic Lead, is amended as follows:

a. In the last sentence of the second paragraph, the words "A zinc protoporphyrin (ZPP) measurement is strongly recommended . . ." are revised to read "A zinc protoporphyrin (ZPP) is required . . ."

b. In Table 2, item B, the words "(ZPP is also strongly recommended . . ." are revised to read "(ZPP is also required . . .")

* * * * *

[FR Doc. 95-25067 Filed 10-10-95; 8:45 am]

BILLING CODE 4510-26-P