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No. 18-0056

In the Supreme Court of Texas

THE GOODYEAR TIRE & RUBBER COMPANY *Petitioner*,

v.

VICKI LYNN ROGERS, INDIVIDUALLY AND AS REPRESENTATIVE OF THE ESTATE OF CARL ROGERS, NATALIE ROGERS, AND COURTNEY DUGAT, *Respondents.*

On Petition for Review from the Fifth Court of Appeals at Dallas Court of Appeals No. 05-15-00001-CV

BRIEF OF AMICUS CURIAE THE CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA IN SUPPORT OF PETITIONER

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STATEMENT OF INTEREST¹

The Chamber is the world's largest business federation. It represents 300,000 direct members and indirectly represents the interests of more than three million companies and professional organizations of every size, in every industry sector, from every region of the country. The Chamber represents the interests of its members in matters before the courts, Congress, and the Executive Branch. To that end, the Chamber regularly files amicus curiae briefs that raise issues of concern to the Nation's business community.

The Chamber's membership includes many companies that do business in Texas and are employers and subscribers under the Texas Workers' Compensation Act ("TWCA") and similar statutes in other states. These members and other American businesses are concerned by the Fifth Court of Appeals' opinion in this case, which disrupts the TWCA's exclusive remedy law and greatly reduces the threshold requirements for establishing gross negligence.

¹ The Chamber has no direct financial interest in the outcome of this litigation. No counsel for a party wrote this brief in whole or in part, and no counsel or party made a monetary contribution intended to fund the preparation or submission of this brief. No person other than the amicus curiae, its members, or its counsel made a monetary contribution intended to fund its preparation or submission.

STATEMENT OF THE CASE

The Chamber adopts the Statement of the Case in Goodyear's Petition.

STATEMENT OF JURISDICTION

The Court has jurisdiction under Tex. Gov't Code § 22.001.

ISSUE PRESENTED

1. To establish the threshold objective element of a gross negligence claim for punitive damages, must a plaintiff present clear and convincing evidence of objective knowledge at the time of the event causing plaintiff's injury that the injury was likely to occur?

STATEMENT OF FACTS

Goodyear is a Texas employer and subscriber under the Texas Workers' Compensation Act (the "TWCA"). Goodyear v. Rogers, 538 S.W.3d 637, 641 (Tex. App.—Dallas 2017, pet. filed). Respondents sued Goodyear outside of the Texas workers' compensation program in the Dallas County Court of Law for the alleged workplace-related death of its former employee, Carl Rogers. Id. at 641. They claimed Mr. Rogers' disease and death resulted from asbestos exposures he had in the 1970s and early 1980s while building tires at Goodyear's Tyler, Texas facility. Id. at 640. Specifically, Respondents claimed that Mr. Rogers was exposed to asbestos (1) indirectly from others' maintenance and subsequent abatement of overhead pipe insulation in the facility; and (2) from brake pads on tire building machines he operated and worked around. *Id.* Respondents sought recovery under the exemplary damages exception to the TWCA's exclusive remedy rule, claiming that Mr. Rogers' death was caused by Goodyear's "gross negligence" in allegedly not warning him about asbestos or following OSHA standards to protect him. Id. at 641, 645-47.

The jury awarded Respondents \$15,000,000. *Id.* at 644. After post-trial motions, the trial court entered a judgment against Goodyear, remitting the verdict to \$2,890,000 under the TWCA's statutory exemplary damages cap. *Id.*

The court of appeals below affirmed the jury's gross negligence finding in a published opinion filed August 31, 2017. The court's decision acknowledged the two elements of a gross negligence claim codified under Section 41.001(11) of the Texas Civil Practice & Remedies Code:

A plaintiff must prove by clear and convincing evidence that: (1) when viewed objectively from the defendant's standpoint at the time of the event, the act or omission involved an extreme degree of risk, considering the probability and magnitude of the potential harm to others, and (2) the defendant had actual, subjective awareness of the risk involved, but nevertheless proceeded with conscious indifference to the rights, safety, or welfare of others.

Id. at 644-45 (citing TEX. CIV. PRAC. & REM. CODE § 41.001(11)). However, the court failed to decide the first, objective element based on whether Respondents had sufficiently proved it was objectively known, "*at the time of the event*" (*i.e.*, at the time of Mr. Rogers' exposures in the 1970s and early 1980s), that Mr. Rogers was likely to contract a cancer from his work at the facility. Rather, the court allowed Respondents to satisfy the objective element with the following evidence:

 The present-day opinions of Respondents' causation experts establishing that Mr. Rogers had as much as a one in approximately 45,000 chance of developing mesothelioma from exposure to asbestos at Goodyear's facility, based on studies published decades after his exposures between 1998 and 2014;

- 2. A 2007 epidemiological study of employees at Goodyear's Tyler plant that reported four out of about 3,000 workers were diagnosed with mesothelioma (two of whom previously worked in an asbestos insulation manufacturing plant); and
- 3. Statements and standards in OSHA's 1972 asbestos regulation.

Id. at 645-46; 5 RR 91-98.

The court then held that Respondents had sufficiently proved Goodyear's actual, subjective knowledge of an extreme degree of risk to Mr. Rogers, without any evidence that such a risk was even objectively known at the time. The court held that "[i]t was sufficient to show that Goodyear knew that exposure to low levels of asbestos *could* cause people to develop mesothelioma." *Id.* at 647 (emphasis added). The court concluded that Respondents made that showing using Goodyear's communications to its plants concerning general asbestos health risks and instructing them on OSHA compliance matters. *Id.* Based on this evidence, the court held that Respondents sufficiently proved that Goodyear acted with conscious indifference to the safety of Mr. Rogers by not monitoring and sampling the air at the facility for asbestos during the time of his alleged exposures there. *Id.* at 648.

SUMMARY OF THE ARGUMENT

The exclusive remedy provision of the TWCA is essential to the function of the Texas workers' compensation system. The only exception to that exclusive remedy is reserved for exceptional circumstances where an employer should be punished for causing the death of an employee intentionally or via grossly negligent conduct. This requires a substantially higher showing of culpability than mere negligence.

The court of appeals' decision below undermines both Texas punitive damages law and the Texas workers' compensation system by reducing the evidentiary threshold for awarding punitive damages against employers in Texas. The decision erroneously allows hindsight and evidence supporting, at most, simple negligence to support a gross negligence claim for punitive damages against an employer. In this regard, the court abandoned the fundamental threshold requirement of culpability under the essential objective element of a gross negligence claim – that an extreme degree of risk to the employee must have been objectively known at the time the injury occurred. This decision improperly puts employer protections under the TWCA at risk by opening the door to unwarranted punitive damages claims, and should be reversed.

ARGUMENT

I. The Exclusive Remedy Requirement of the TWCA is Essential to the Workers' Compensation System, and the Exemplary Damages Exception Is Reserved for only Exceptional Cases of Intentional or Grossly Negligent Conduct.

The Texas workers' compensation system provides substantial advantages to both employers and employees for addressing workplace-related injuries. It provides employees a system of "relatively swift and certain compensation without proof of fault." *Reed Tool Co. v. Copelin*, 689 S.W.2d 404, 407 (Tex. 1985). In return, the employer is "immun[e] from negligence and potentially larger recovery in common law actions." *Id*.

Critical to the system's function is the TWCA's exclusive remedy provision. TEX. LAB. CODE § 408.001. This longstanding provision mandates that workers' compensation benefits are the employee's (or legal beneficiary's, as the case may be) exclusive remedy against the employer for the death or work-related injury of the employee. *Id.* As this Court recognized more than thirty years ago, the exclusive remedy requirement is essential to the function of the workers' compensation system:

The exclusive remedy provision is an essential element of the worker's compensation scheme. . . . Worker's compensation is based on the principle that the cost of medical services and benefits provided is part of the cost of doing business and thus is borne directly by the employer, and ultimately by the general public, as part of the cost of goods and services. The continued effectiveness of the worker's compensation scheme depends on the continued ability to spread the risk of such

losses. If employers are required to provide not only worker's compensation but also to defend and pay for accidental injuries, their ability to spread the risk through reasonable insurance premiums is threatened, and the balance of advantage and detriment would be significantly disturbed.

Reed Tool Co., 689 S.W.2d at 407.

The only exception to the TWCA's exclusive remedy provision is for the imposition of exemplary damages against an employer who causes an employee's death intentionally or by grossly negligent conduct. Such damages are imposed only to "punish the defendant for outrageous, malicious, or otherwise morally culpable conduct" and "are proper in only the most exceptional cases." Transp. Ins. Co. v. Moriel, 879 S.W.2d 10, 16-17, 18 (Tex. 1994). As this Court has explained, for an unintentional act to be punishable by punitive damages, it must "reach the borderline of a quasi-criminal act of commission or malfeasance." Id. at 16 (quoting S. Cotton Pres & Mfg. Co. v. Bradley, 52 Tex. 587, 600-01 (1880)). Thus, "like criminal punishment, punitive damages require appropriate substantive and procedural safeguards to minimize the risk of unjust punishment." Id. at 16-17. Such safeguards are particularly important to preserving the TWCA's exclusive remedy provision and the effectiveness of the Texas workers' compensation system. *Reed Tool Co.*, 689 S.W.2d at 407.

II. The Court of Appeals' Decision Undermines Texas Punitive Damages Law and the Texas Workers' Compensation System.

In *Transportation Insurance Company v. Moriel*, this Court recognized that there are two essential elements of a gross negligence claim in Texas: an objective element and a subjective element. *Moriel*, 879 S.W.2d at 23. The first, objective element requires *clear and convincing proof* that, when "viewed objectively *from the standpoint of the [employer] at the time of its occurrence*," the employer's act or omission must "involve an *extreme* degree of risk, considering the probability and magnitude of the potential harm to others." *Id.* (emphasis added); TEX. CIV. PRAC. & REM. CODE ANN. §§ 41.001(11), 41.003. In other words, before any alleged actual awareness on the part of the defendant can be assessed, a plaintiff must prove that it was objectively known *at the time* that the defendant's act or omission was *likely* to cause serious injury to the plaintiff. *Moriel*, 879 S.W.2d at 22-23.

Texas law emphasizes that this is "a threshold significantly higher than the objective 'reasonable person' test for negligence." *Id.* at 22. The test is not whether serious injury was possible, but instead, whether serious injury to the plaintiff was *likely. Id.* Moreover, the determination "requires an examination of the events and circumstances from the viewpoint of the defendant *at the time the event occurs, without viewing the matter in hindsight.*" *Id.* at 23 (emphasis added).

The court of appeals' decision below radically departs from this objective element test, and opens the door for employees to recover damages from employers outside of the workers' compensation system based on evidence establishing, at most, simple negligence. The decision approved the punitive damages award without any evidence that it was objectively known at the time of Mr. Rogers' asbestos exposures at the facility that he was *likely* to contract a cancer from the exposures. *Goodyear*, 538 S.W.3d at 645-46. The decision authorized Respondent's satisfaction of the essential objective element instead with after-the-fact evidence of a 2007 epidemiological study and the present-day opinions of Respondents' causation experts based on studies not reported until 1998. *Id.*; 5 RR 91-97. This fundamentally undermines the objective element of Texas gross negligence law, which, as the Court has emphasized, "is necessary to clearly distinguish between conduct which is deserving of punishment and that which merely demands restitution." *Wal-Mart Stores, Inc. v. Alexander*, 868 S.W.2d 322, 326 (Tex. 1993).

The 1972 OSHA asbestos regulation referenced in the decision similarly fails to provide clear-and-convincing evidence of a likelihood of serious injury at the time of Mr. Rogers' exposures. The regulation was a prophylactic government policy meant to provide the greatest possible protections to workers in light of uncertain levels of risk. OSHA was "free to use conservative assumptions in interpreting the data" and to "risk[] error on the side of overprotection rather than underprotection." *IUD v. API*, 448 U.S. 607, 656 (1980). The regulation involved questions "on the frontiers of scientific knowledge" where "insufficient data [was] available to make

a fully informed factual determination." IUD v. Hodgson, 499 F.2d 467, 474-75 (D.C. Cir. 1974). Accordingly, the regulation involved "choices that by their nature require[d] basic policy determinations rather than resolution of factual The regulation itself acknowledged a dispute "as to the controversies." Id. determination of a specific level [of asbestos exposure] below which exposure is safe." Standard for Exposure to Asbestos Dust, 37 Fed. Reg. 11318, 11318 (June 7, 1972) (codified at 29 C.F.R. pt. 1910 (1972)) (Tab A hereto). It also recognized the "controversies" concerning (1) "the validity of the measuring techniques used and the reliability of the relations attempted to be established" in studies existing at that time; (2) "the relative toxicity of the various kinds of asbestos;" and (3) the "varying hazards in different workplaces." Id. (emphasis added). OSHA chose, as a policy, to require all workplaces involving "any kind" of asbestos exposure to comply with its requirements both for "[r]easons of practical administration" and because it chose to resolve "the conflict in the medical evidence . . . in favor of the health of *Id.* This choice "rest[ed] in the final analysis on an essentially employees." legislative policy judgment, rather than a factual determination, concerning the relative risks of underprotection as compared to overprotection." Hodgson, 499 F.2d at 475. Such a prophylactic government policy is not, and should not be, clear and convincing evidence that a person was likely to contract mesothelioma from a particular exposure level or in any particular circumstances (including Mr. Rogers') to prove the objective element of a gross negligence claim for awarding punitive damages against an employer. Indeed, in gross negligence cases, "the mere existence of federal regulations does not establish the standard of care or gross negligence per se." *U-Haul Int'l, Inc. v. Waldrip*, 380 S.W.3d 118, 139 (Tex. 2012).

The court's erroneous decision concerning the objective element of Respondents' gross negligence claims cannot be justified by its subsequent discussion of the purported subjective element evidence in this case. Texas law requires proof of *both* elements, and proof of the threshold objective element must come first. Moriel, 879 S.W.2d at 22-23. Without the predicate showing that a likelihood of serious injury from an employer's action was objectively known at the time of the injury, an employer logically cannot be shown to have subjectively known of such a likelihood. Indeed, if there is no evidence that any scientific study during the time of Mr. Rogers' exposures showed that a person in Mr. Rogers' circumstances was likely to contract mesothelioma from his work at the facility, Goodyear could not have known that such a likelihood existed. Furthermore, Goodyear's internal plant communications, which the court held were sufficient for a jury to find that Goodyear had "actual knowledge that exposures to low levels of asbestos could result in mesothelioma," are beside the point. Goodvear, 538 S.W.3d at 647 (emphasis added). A purported awareness of a *possibility* that injury is generally capable of occurring is not an awareness of the extreme degree of risk that must first be shown under the objective element of a gross negligence claim – that is, that serious injury to the plaintiff was *likely* to occur.

The lower court's decision improperly reduces the evidentiary threshold for allowing punitive damages' awards against employers in Texas, and enables employees to circumvent the TWCA's exclusive remedy law with evidence supporting, at most, simple negligence. The decision substantially undermines both Texas punitive damages law and the Texas workers' compensation system, and it should not stand.

PRAYER FOR RELIEF

For the foregoing reasons, the Chamber supports Goodyear's request that the Court accept Goodyear's petition for review, and respectfully requests that the Court reverse and correct the lower courts' erroneous decision.

[SIGNATURE ON FOLLOWING PAGE]

Respectfully submitted,

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CERTIFICATE OF SERVICE

I certify that a copy of the Brief of Amicus Curiae The Chamber of Commerce of the United States of America was electronically filed with the Clerk of the Court using the eFile.TxCourts.gov filing system which will send notification to the attorneys of record in this case, addressed as follows:

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CERTIFICATE OF COMPLIANCE

This brief complies with the type-volume limitation of TEX. R. APP. P. 9.4 because it contains 2,397 words, excluding the parts of the brief exempted by TEX. R. APP. P. 9.4(i)(1).

<u>/s/ Stephanie D. Clouston</u> Stephanie D. Clouston

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APPENDIX TO BRIEF OF AMICUS CURIAE THE CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA IN SUPPORT OF PETITIONER

TAB

A Standard for Exposure to Asbestos Dust, 37 Fed. Reg. 11318 (June 7, 1972)

TAB A

[T.D. 72-153]

PART 10-ARTICLES CONDITIONALLY FREE, SUBJECT TO A REDUCED RATE, ETC.

Free Withdrawal of Supplies and **Equipment for Aircraft**

Equipment for Aircraft In accordance with section 309(d), Tariff Act of 1930, as amended (19 U.S.C. 1309(d)), the Department of Commerce has found and under date of April 25, 1972, has advised the Treasury Depart-ment that Poland allows privileges to aircraft registered in the United States and engaged in foreign trade substan-tially reciprocal to those provided for in sections 309 and 317 of the Tariff Act of 1930, as amended (19 U.S.C. 1309, 1317). The same privileges are therefore hereby extended to aircraft registered in Poland and engaged in foreign trade effective as of the date of such notification.

and engaged in foreign trade effective as of the date of such notification. Accordingly, paragraph (f) of § 10.59, customs regulations, is amended by the insertion of Poland in appropriate al-phabetical order and the number of this Treasury decision in the opposite col-umn headed "Treasury Decision(s)" in the list of nations in that paragraph. (Secs. 309, 317, 624, 46 Stat. 690, as amended, 696, as amended, 759; 19 U.S.C. 1309, 1317, 1624)

[SEAL] EDWIN F. RAINS, Acting Commissioner of Customs.

Approved: May 25, 1972.

Eugene T. Rossides, Assistant Secretary of the Treasury.

[FR Doc.72-8578 Filed 6-6-72;8:50 am]

Title 29----LABOR

Chapter XVII—Occupational Safety and Health Administration, Department of Labor

PART 1910-OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Standard for Exposure to Asbestos Dust

On December 7, 1971, an emergency temporary standard concerning exposure to asbestos fibers was published in the FEDERAL REGISTER (36 F.R. 23207). In ac-cordance with section 6(c) (3) of the Wil-liams-Steiger Occuptaional Safety and Health Act of 1970, a notice of proposed rulemaking regarding a permanent standard for exposure to asbestos fibers was published in the FEDERAL REGISTER on January 12, 1972 (37 F.R. 466). The no-January 12, 1972 (37 F.R. 466). The no-tice invited interested persons to submit both orally and in writing, data, views, and arguments concerning the proposal.

On or about January 24, 1972, the Ad-visory Committee on Asbestos Dust was established and requested to make writ-ten recommendations with regard to the proposed standard on asbestos. On or about February 1, 1972, the Department of Health, Education, and Welfare trans-mitted to the Secretary of Labor a cri-teria document containing Recommenda-

RULES AND REGULATIONS

koles AND REGULATIONS tions for an Occupational Exposure Standard for Asbestos by the National Institute for Occupational Safety and Health (NIOSH). Public notice was given of the receipt of the recommendations and their availability for inspection and copying. On or about February 25, 1972, the Advisory Committee on Asbestos Dust stubmitted its written recommendations to the Assistant Secretary of Labor for Occupational Safety and Health. Pursuant to the notice of rule making, a hearing was held on March 14 through 17, 1972, for the purpose of receiving oral data, views, and arguments concerning the proposed standard. On or about March 31, 1972, the presiding hearing ex-aminer certified to the Assistant Secre-tary of Labor for Occupational Safety and Health the record of the proceeding. The record includes prehearing written comments, a transcript of the oral pres-entations made at the hearing or within the pre-course of the hearing or within the pre-to allowed after the close of the the proposed standard dealt with (1)

riod allowed after the close of the hearing. The proposed standard dealt with (1) permissible concentrations of asbestos fibers; (2) methods of compliance; (3) warning signs; (4) monitoring; (5) med-ical examinations; and (6) recordkeep-ing. Each of these major proposals elic-ited comments, arguments, objections, and counterproposals. They all have been examined and considered. examined and considered.

1. Acceptable concentrations of asbes-tos dust. The proposed standard would limit occupational exposure to 8-hour time-weighted average (TWA) airborne concentrations of asbestos dust not ex-conding fine fiber becaute the exconcerning five fibers longer than five micrometers per milliliter. Concentra-tions above five fibers but not to exceed 10 fibers (ceiling concentration) would be permitted up to 15 minutes in an hour, but for not more than 5 hours in any one 8-hour day.

8-hour day. NIOSH in effect has recommended that the five-fiber TWA and 10-fiber peak concentrations be permitted only for 2 years; thereafter, TWA concentra-tions should be not more than 2 fibers per cubic centimeter (cm.³) of air, and peak concentrations should not exceed 10 fibers/cm.³, with no time restriction. Numerous objections and counterpro-posals have been made, with regard to both the limits of asbestos fiber concen-trations and the time periods to comply with them. Some, for example, have rec-ommended return to a 12-fiber standard of an earlier day; i.e., a level adopted under the Walsh-Healev Public Con-tracts Act in 1969. Others have recom-mended a two-fiber standard to become effective in 6 months, then a one-fiber effective in 6 months, then a one-fiber standard for 2 years, and finally a zero-fiber standard after 3 years. These rec-ommendations give a fair indication of the wide spread of the counterproposals.

the wide spread of the counterproposals. No one has disputed that exposure to asbestos of high enough intensity and long enough duration is causally related to asbestosis and cancers. The dispute is as to the determination of a specific level below which exposure is safe. Various studies attempting to establish quantita-tive relations between specific levels of

exposure to asbestos fibers and the ap-pearance of adverse biological manifes-tations, such as asbestosis, lung cancers, and mesothelioma, have given rise to controversy as to the validity of the measuring techniques used and the relia-bility of the relations attempted to be established. Because of the long lapse of time between onset of exposure and biological manifestations, we have now evidence of the consequences of exposure, but we do not have, in general, accurate measures of the levels of exposure oc-curring 20 or 30 years ago, which have given rise to these consequences. There are also controversies concerning the relative toxicity of the various kinds of asbestos, and varying hazards in dif-ferent workplaces. It is fair to say that the controversy has centered in the area between a two-fiber TWA concentration and five-fiber TWA concentration, with variations on the time needed for compliance. Many employers support a five-fiber TWA. Most medical opinion is divided between a two-fiber standard and a five-fiber exposure to asbestos fibers and the ap-

a two-fiber standard and a five-fiber standard.

In view of the undisputed grave con-In view of the undisputed grave con-sequences from exposure to asbestos fibers, it is essential that the exposure be regulated now, on the basis of the best evidence available now, even though it may not be as good as scientifically de-sirable. An asbestos standard can be re-evaluated in the light of the results of ongoing studies, and future studies, but cannot wait for them. Lives of employees are at stake

cannot wait for them. Lives of employees are at stake. It is concluded that there should be one minimum standard of exposure to asbestos applicable to all workplaces ex-posed to any kind, or mixture of kinds, of asbestos. Reasons of practical ad-ministration preclude a variety of stand-ards for different kinds of asbestos and of workplaces. Also, while the evidence tends to show that crocidolite, for in-stance, is more harmful than chrysotile, the evidence is not sufficient to establish separate standards for varieties of asbestos.

Because there must be one standard governing exposure to all varieties of asbestos, and in workplaces apparently more hazardous than others; because some present employees with regular ex-posure to asbestos have probably al-ready accumulated great doses of asbes-tos fibers, due to higher levels of ex-posure in the past; because it appears that levels of exposure which may be safe with regard to asbestosis are not safe with regard to asbestosis are not safe with regard to mesothelioma; be-cause the statute requires the protection of every employee, even of one who may Because there must be one standard cause the statute requires the protection of every employee, even of one who may have regular exposure to asbestos during a working life which may reach, or even exceed, 40 years; and because of several other considerations which have been urged and are reflected in the record of the proceeding, the conflict in the medi-cal evidence is resolved in favor of the health of employees. As of July 1, 1976, TWA concentrations of asbestos fibers longer than 5 micrometers will not be allowed to exceed two fibers/cc. with a allowed to exceed two fibers/cc. with a ceiling value of 10 fibers/cc. The current TWA concentrations of five fibers, and

ceiling concentrations of 10 fibers/cc, will be permitted until July 1, 1976, dur-ing what will be a transitional period deemed necessary to allow employers to make the needed changes for coming into compliance with the more stringent standard. standard.

make the needed changes for coming into compliance with the more stringent standard. The record shows that the many work operations subject to the single asbestos standard (textile, manufacturing, indus-trial, and marine installation, etc.) will meet varying degrees of difficulty in complying with the standard. In some plants, extensive redesign and reloca-tion of equipment may be needed. It ap-pears, however, the delay in the effective date of the two-fiber standard will pro-vide all employers a reasonable time to comply. At the same time, so long as the ceiling limit is complied with, no harm is reasonably expected to result from ex-posures during the transitional period. 2. Methods of compliance. It has been pointed out by many persons, that pro-tection against asbestos fibers is best obtained by controlling the generation of fibers first, and secondly, by controlling the dispersion of released fibers into the ambient air of the workplaces. Therefore, the standard requires feasible techno-logical controls and appropriate work practices as the primary means of com-pliance. Rotation'of employees as a way of meeting the TWA concentration re-quirement is allowed only in stated ex-ceptional circumstances, because, as a general rule, it would be difficult to im-plement. Personal protective equipment, such as respirators, cannot be relied upon because, among other reasons, they may be so uncomfortable as to be bur-densome, except for short periods of time. Therefore, it is expetted that res-pirators and shift rotation will be used during the period necessary to install en-gineering controls and to train employ-ees in sound work practices, but, after technological compliance has been achieved, their use must be limited to special work situations and emergencies. achieved, their use must be limited to special work situations and emergencies. Where both are practicable, shift rotation is required.

3. Labeling. The proposed standard stopped short of requiring labeling as-bestos and asbestos-containing products. The proposed standard would have re-quired only warning signs at locations where asbestos hazards are present. However, labeling, rather than warning signs, has proved to be a point of con-troversy. Both NIOSH and the Advisory Committee on Asbestos Dust recom-mended labels for asbestos products and containers, and these recommendations became very controversial in the course of the proceeding. Many counterpro-proposals have been made as to the lan-guage of the warning as well as to the products to be subject to the labeling requirements. Employers, in general, strongly contend that (1) finished prod-ucts which effectively entrap asbestos The proposed standard would have reucts which effectively entrap asbestos

fibers, so that these would not be released in the normal use of the products, should not be required to be labeled; and (2) words such as "danger" and "cancer" are unwarrantedly alarming. Both contentions have merit, and the standard has been changed accordingly. 4. Monitoring. The proposed standard would have required personal monitor-ing and environmental monitoring. Many issues have been raised concerning the availability and reliability of meas-uring instruments, frequency of moni-toring, and conditions in which monitor-ing should be required. The adopted standard takes the objections into con-sideration. It requires periodic monitor-ing at intervals no longer than 6 months, thus allowing considerable time and dis-cretion, and prescribes the use of the membrane filter method, which is an ac-ceptable method for determination of asbestos fibers.

asbestos fibers. It has also been recommended that

It has also been recommended that employees or their representatives should have an opportunity to observe the monitoring. The recommendation has been accepted. 5. Medical examinations. The pro-posed standard would only require an appropriate medical examination on a periodic basis. The generality of the pro-posal has attracted many objections and also many helpful comments. The recom-mendations of NIOSH and of the Advi-sory Committee on Asbestos Dust were much more specific with respect to both frequency and type of medical examina-tions to be required. The comments vary as to the class of employees to be ex-amined and as to the frequency of the examinations. examinations.

The adopted standard requires medical examinations both at the beginning and the termination of employments exposed to concentrations of asbestos fibers, and also requires annual medical examinaalso requires annual medical examina-tions of every employee exposed to air-borne concentrations of asbestos. It has been pointed out that in certain indus-tries, such as construction, an employee may work for several employers during the same year. Accordingly, the standard door not require althout procentlation does not require either preemployment, or termination, or periodic examinaton of any employee who has been examined in accordance with the standard within the past year.

One question which has been raised goes to whether the employer or the emgoes to whether the employer or the em-ployee should be allowed to choose the examining physician. The standard rives the option to the employer. Since some employers already have a medical examination program in operation, and, also, have medical departments with some expertise in the diagnosis of abes-tos-related diseases, it seems more reasonable to permit them to utilize the present programs and expertise, than to permit an employee to choose a private general practitioner.

6. Records. The standard, as proposed and as adopted, requires maintenance of records of monitoring and of medical examinations. Most of the controversy in this area has revolved around the ques-tion whether an employer should be al-lowed to have access to the results of the required medical examinations. The The required medical examinations. The apprehension of those who have argued against employer access is based on the expectation that some employers will use the medical examinations as a means of screening employment applicants, and worse, as grounds for discharging current employees, who show signs of being af-fected by exposure to asbestos. Since the purpose of the medical examinations is to monitor the health of employees ex-posed to the hazards of abestos, em-ployees cannot in reason be granted the privilege of refusing to disclose to their employers to provide medical examina-tions if they cannot know and use the results of the examinations. For these reasons the standard provides that em-ployers may have a restricted access to some medical information. On the other hand, there is no intenthe required medical examinations. The

On the other hand, there is no inten-On the other hand, there is no inten-tion to allow employers to abuse medical information obtained pursuant to the Act, to the detriment of employees. Therefore, the administration of the medical records requirement will be closely watched, and, in cases of abuse, appropriate action will be considered.

appropriate action will be considered. The issues discussed above are believed to be the major ones. Numerous other is-sues have been raised in the rulemaking proceedings. Some have been referred to incidentally. Many recommendations, for instance, about work practices, are so obviously meritorious that their adop-tion needs no exposition here. Other recommendations and many objections have not been adopted for a variety of reasons which should be manifest. Sev-eral, for instance, have recommended eral, for instance, have recommended the use of respirators only pursuant to a variance, or in cases of emergency and occasional short-term exposures. The recommendation with respect to variances undoubtedly has many merits. but is considered administratively impractical.

Accordingly, after consideration of the whole record of the proceeding, and pursuant to sections 6 (b) and (c) and 8(c) of the Williams-Steiger Occupational Safety and Health Act of 1970 (84 Stat. 1593, 1596, 1599; 29 U.S.C. 655, 657), 29 CFR 1910.4, and to Secretary of Labor's Order No. 12-71 (36 F.R. 8754), Part 1910 of Title 29 of the Code of Federal Regulations is amended as set forth below.

(1) Section 1910.93 is amended by revising Table G-3 to read as follows:

11320

§ 1910.93 Air contaminants.		
• • •	•	٠
TABLE G-3-Mn	CREAL DUNE	
Substance	Mppel	Mg/M ³
Bilica:		
Crystalline: Quartz (respirable)		10mg/M ⁹ =
Quartz (total dusl)	%8iOz+8	%SiO:+
Cristobalite: Use 14 the		%SIO2+2
value calculated from the count or mass formulae for	t	
quarts. Tridymite: Use 14 the value calculated from the for- mulae for quarts.	•	
Mulae for quartz. Amorphous, including natura distomaceous earth	l 20	80mg/M
		%810
Silicates (less than 1% crys- talline silica):		
Mica Sospstone	20	
Tale Portland cement		
Portland cement		
Cost dust (respirable fractio	10	
Graphite (natural) Coat dust (respirable fraction less than 5% SiO ₂)		2.4mg/M
For more than 5% SiO2		or 10mg/M
		%SiO:+2
Inert or Nuisance Dust:		
Respirable fraction	15 60	5mg/M 15mg/M
		1000

Acrodynamic diameter (unit density sphere)		Percent passing selector
2 2.5	•	90 75
3.5 5.0		50 25
10		õ

The measurements under this note refer to the use of an AEC instrument. If the respirable fraction of coal dust is determined with a MRE the figure corresponding to that of 2.4 Mg/M³ in the table for coal dust is 4.5 Mg/M³.

2. A new § 1910.93a is added to Part 1910, reading as follows:

§ 1910.93a Asbestos.

§ 1910.93a Asbestos.
(a) Definitions. For the purpose of this section, (1) "Asbestos" includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.
(2) "Asbestos fibers" means asbestos fibers longer than 5 micrometers.
(b) Permissible exposure to airborne concentrations of asbestos fibers—(1) Standard effective July 7, 1972. The 8-hour time-weighted average airborne concentrations of asbestos fibers to which any employee may be exposed shall not exceed five fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method prescribed in paragraph (e) of this section.
(2) Standard effective July 1, 1976. The 8-hour time-weighted average airborne concentrations of asbestos fibers.

RULES AND REGULATIONS

to which any employee may be exposed shall not exceed two fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method pre-scribed in paragraph (e) of this section. (3) Ceiling concentration. No em-ployee shall be exposed at any time to airborne cencentrations of asbestos fibers in excess of 10 fibers, longer than 5 micrometers, per cubic centimeter of air, as determined by the method pre-scribed in paragraph (e) of this section. (c) Methods of compliance-(1) En-gineering methods. (1) Engineering con-trols. Engineering controls, such as, but not limited to, isolation, enclosure, ex-haust ventilation, and dust collection, shall be used to meet the exposure limits prescribed in paragraph (b) of this section. section.

section. (ii) Local exhaust ventilation. (a) Local exhaust ventilation and dust col-lection systems shall be designed, con-structed, installed, and maintained in accordance with the American National Standard Fundamentals Governing the Design and Operation of Local Exhaust Systems, ANSI Z9.2-1971, which is in-corporated by reference herein. (b) See § 1910.6 concerning the avail-ability of ANSI Z9.2-1971, and the maintenance of a historic file in connec-tion therewith. The address of the Amer-ican National Standards Institute is given in § 1910.100. (iii) Particular tools. All hand-op-

(iii) Particular tools. All hand-op-(iii) Particular tools. All hand-op-erated and power-operated tools which may produce or release asbestos fibers in excess of the exposure limits pre-scribed in paragraph (b) of this section, such as, but not limited to, saws, scorers, abrasive wheels, and drills, shall be pro-vided with local exhaust ventilation sys-tems in accordance with subdivision (ii) of this subparagraph of this subparagraph.

of this subparagraph. (2) Work practices—(i) Wet methods. Insofar as practicable, asbestos shall be handled, mixed, applied, removed, cut, scored, or otherwise worked in a wet state sufficient to prevent the emission of airborne fibers in excess of the ex-posure limits prescribed in paragraph (b) of this section, unless the usefulness of the product would be diminished thereby. thereby

thereby. (ii) Particular products and opera-tions. No asbestos cement, mortar, coat-ing, grout, plaster, or similar material containing asbestos shall be removed from bags, cartons, or other containers in which they are shipped, without being either wetted, or enclosed, or ventilated so as to prevent effectively the release of airborne asbestos fibers in excess of the limits prescribed in paragraph (b) of this section. (iii) Snraving, demolition, or removal.

this section. (iii) Spraying, demolition, or removal. Employees engaged in the spraying of asbestos, the removal, or demolition of pipes, structures, or equipment covered or insulated with asbestos, and in the removal or demolition of astestos in-sulation or coverings shall be provided with respiratory equipment in accord-ance with paragraph (d) (2) (iii) of this section and with special clothing in ac-cordance with paragraph (d) (3) of this section. section.

(d) Personal protective equipment— (1) Compliance with the exposure limits prescribed by paragraph (b) of this sec-tion may not be achieved by the use of respirators or shift rotation of em-ployees, except:

ployees, except: (1) 'During the time period necessary to install the engineering controls and to install the work practices required by paragraph (c) of this section; (ii) In work situations in which the methods prescribed in paragraph (c) of this section are either technically not feasible or feasible to an extent insuffi-cient to reduce the airborne concentra-tions of asbestos fibers below the limits prescribed by paragraph (b) of this section; or section; or

(iii) In emergencies.

(iv) Where both respirators and personnel rotation are allowed by subdivisions (i), (ii), or (iii) of this subparagraph, and both are practicable, personnel rotation shall be preferred and used.
 (2) Where a respirator is permitted by subparagraph (1) of this negregation is permitted by a subparagraph (1) of this negregation).

(2) Where a respirator is permitted by subparagraph (1) of this paragraph, it shall be selected from among those ap-proved by the Bureau of Mines, Depart-ment of the Interior, or the National In-stitute for Occupational Safety and Health, Department of Health, Educa-tion, and Welfare, under the provisions of 30 CFR Part 11 (37 F.R. 6244, Mar. 25, 1972), and shall be used in accordance with subdivisions (1), (ii), (iii), and (iv) of this subparagraph. of this subparagraph

.

of this subparagraph. (i) Air purifying respirators. A reusa-ble or single use air purifying respirator, or a respirator described in subdivision (ii) or (iii) of this subparagraph, shall be used to reduce the concentrations of airborne asbestos fibers in the respirator below the exposure limits prescribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted aver-age airborne concentrations of asbestos fibers are reasonably expected to exceed no more than 10 times those limits. (ii) Powered air purifying respirators.

no more than 10 times those limits. (ii) Powered air purifying respirators. A full facepiece powered air purifying respirator, or a powered air purifying respirator, or a respirator described in subdivision (iii) of this subparagraph, shall be used to reduce the concentra-tions of airborne asbestos fibers in the respirator below the exposure limits pre-scribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted average concentrations of asbestos fibers are reasonably expected to exceed 10 times, but not 100 times, those limits. those limits.

those limits. (iii) Type "C" supplied-air respirators, continuous flow or pressure-demand class. A type "C" continuous flow or pres-sure-demand, supplied-air respirator shall be used to reduce the concentra-tions of airborne asbestos fibers in the respirator below the exposure limits pre-scribed in paragraph (b) of this section, when the ceiling or the 8-hour time-weighted average airborne concentra-tions of asbestos fibers are reasonably expected to exceed 100 times those limits. expected to exceed 100 times those limits.

(iv) Establishment of a respirator program. (a) The employer shall establish a respirator program in accordance with

the requirements of the American Na-tional Standards Practices for Respira-tory Protection, ANSI 288.2-1969, which is incorporated by reference herein. b. See § 1910.6 concerning the avail-ability of ANSI 288.2-1969 and the main-tenance of an historic file in connection therewith. The address of the American National Standards Institute is given in 8 1910 100 \$ 1910.100.

(c) No employee shall be assigned to tasks requiring the use of respirators if, tasks requiring the use of respirators if, based upon his most recent examination, an examining physician determines that the employee will be unable to function normally wearing a respirator, or that the safety or health of the employee or other employees will be impaired by his use of a respirator. Such employee shall be rotated to another job or given the opportunity to transfer to a different po-sition whose duties he is able to perform with the same employee in the same geowith the same employer, in the same geo-graphical area and with the same senior-ity, status, and rate of pay he had just prior to such transfer, if such a different position is available.

position is available. (3) Special clothing: The employer shall provide, and require the use of, spe-cial clothing, such as coveralls or similar whole body clothing, head coverings, gloves, and foot coverings for any em-ployee exposed to airborne concentra-tions of asbestos fibers, which exceed the ceiling level prescribed in paragraph (b) of this section. of this section.

(4) Change rooms: (i) At any fixed place of employment exposed to airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section, the employees working regularly at the place.
(ii) Clothes lockers: The employer shall provide change rooms for employees working regularly at the place.
(ii) Clothes lockers: The employer shall provide two separate lockers or containers for each employee, so separated or isolated as to prevent contamination of the employee's street clothes from his work clothes.
(iii) Laundering: (a) Laundering of asbestos contaminated clothing shall be done so as to prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section. (4) Change rooms: (i) At any fixed

of this section.

of this section. (b) Any employer who gives asbestos-contaminated clothing to another person for laundering shall inform such person of the requirement in (a) of this subdi-vision to effectively prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in para-graph (b) of this section. (c) Contaminated clothing shall be transported in sealed impermeable bags, or other closed, impermeable containers, and labeled in accordance with para-graph (g) of this section. (e) Method of measurement. All de-

(e) Method of measurement. All de-terminations of airborne concentrations of asbestos fibers shall be made by the membrane filter method at 400-450 \times (magnification) (4 millimeter objective) with phase contrast illumination.

(f) Monitoring-(1) Initial determinations. Within 6 months of the publication of this section, every employer shall cause every place of employment

where asbestos fibers are released to be monitored in such a way as to determine whether every employee's exposure to asbestos fibers is below the limits pre-scribed in paragraph (b) of this sec-tion. If the limits are exceeded, the em-ployer shall immediately undertake a compliance program in accordance with paragraph (c) of this section. (2) Personal monitoring--(i) Sam-ples shall be collected from within the breathing zone of the employees, on membrane filters of 0.8 micrometer po-rossity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average airborne concentra-tions and of the celling concentrations of asbestos fibers.

asbestos fibers. (ii) Sampling frequency and patterns. After the initial determinations required After the initial determinations required by subparagraph (1) of this paragraph, samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of em-ployees. In no case shall the sampling be done at intervals greater than 6 months for amployees those exposure to expected for employees whose exposure to asbestos may reasonably be foreseen to exceed the limits prescribed by paragraph (b) of this section.

(3) Environmental monitoring—(1)
samples shall be collected from areas of a work environment which are represent-ative of the alrborne concentrations of asbestos fibers which may reach the breathing zone of employees. Samples shall be collected on a membrane filter of 0.8 micrometer porosity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average alrborne concentrations and of the ceiling con-centrations of asbestos fibers.
(ii) Sampling frequency and patterns. After the initial determinations required by subparagraph (1) of this paragraph,

by subparagraph (1) of this paragraph, samples shall be of such frequency and samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of the employees. In no case shall sampling be at intervals greater than 6 months for employees whose exposures to asbestos may reasonably be foreseen to exceed the exposure limits prescribed in para-graph (b) of this section. (4) Employee observation of monitor-ing. Affected employees, or their rep-resentatives, shall be given a reasonable opportunity to observe any monitoring required by this paragraph and shall have access to the records thereof. (g) Caution signs and labels. (1) Cau-

access to the records thereof. (g) Caution signs and labels. (1) Cau-tion signs. (1) Posting. Caution signs shall be provided and displayed at each location where airborne concentrations of asbestos fibers may be in excess of the exposure limits prescribed in paragraph (b) of this section. Signs shall be posted at such a distance from such a location so that an employee may read the signs and take necessary protective steps be-fore entering the area marked by the signs. Signs shall be posted at all ap-proaches to areas containing excessive concentrations of airborne asbestos fibers. fibers.

(ii) Sign specifications. The warning signs required by subdivision (i) of this

subparagraph shall conform to the re-quirements of $20^{\prime\prime} \times 14^{\prime\prime}$ vertical format signs specified in § 1910.145(d) (4), and to this subdivision. The signs shall dis-play the following legend in the lower panel, with letter sizes and styles of a visibility at least equal to that specified in this subdivision.

Legend	Notation
Asbestos	1" Sans Serif,
	Gothic or
	Block.
Dust Hazard	
	Gothic or
	Block.
Avoid Breathing Dust	
Wear Assigned Protective	1/4 " Gothic.
Equipment.	
Do Not Remain In Area	¼" Gothic.
Unless Your Work Re-	

quires it. Breathing Asbestos Dust 14 point Gothic. May Be Hazardous To Your Health.

Spacing between lines shall be at least equal to the height of the upper of any two lines.

(2) Caution labels—(i) Labeling. Cau-tion labels shall be affixed to all raw (2) Catton thees—(1) Labernio, Cati-tion labels shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers, except that no label is required where asbestos fibers have been modified by a bonding agent, coating, binder, or other material so that during any reasonably foreseeable use, handling, storage, disposal, processing, or transportation, no airborne concentra-tions of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section will be released.
(ii) Label specifications. The caution labels required by subdivision (i) of this subparagraph shall be printed in letters of sufficient size and contrast as to be readily visible and legible. The label shall state:

state:

CAUTION

Contains Asbestos Fibers Avoid Creating Dust Breathing Asbestos Dust May Cause Serious Bodily Harm

(h) Housekeeping—(1) Cleaning. All external surfaces in any place of employ-ment shall be maintained free of accu-mulations of asbestos fibers if, with their dispersion, there would be an excessive concentration.

(2) Waste disposal. Asbestos waste, (2) Waste disposal. Asbestos waste, scrap, debris, bags, containers, equip-ment, and asbestos-contaminated cloth-ing, consigned for disposal, which may produce in any reasonably foreseeable use, handling, storage, processing, dis-posal, or transportation airborne concen-trations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section shall be collected and disposed of in scaled impermeable bags disposed of in sealed impermeable bags, or other closed, impermeable containers.

(i) Recordkeeping—(1) Exposure rec-ords. Every employer shall maintain records. Every employer shall maintain rec-ords of any personal or environmental monitoring required by this section. Rec-ords shall be maintained for a period of at least 3 years and shall be made avail-able upon request to the Assistant Secre-tary of Labor for Occupational Safety and Health, the Director of the National

Institute for Occupational Safety and Health, and to authorized representa-tives of either.

Histritic for Occupational Barcy and Health, and to authorized representa-tives of either.
(2) Employee access. Every employee and former employee shall have reason-able access to any record required to be maintained by subparagraph (1) of this paragraph, which indicates the em-ployee's own exposure to asbestos fibers.
(3) Employee notification. Any em-ployee found to have been exposed at any time to airborne concentrations of asbes-tos fibers in excess of the limits pre-scribed in paragraph (b) of this section shall be notified in writing of the expo-sure as soon as practicable but not later than 5 days of the finding. The employee shall also be timely notified of the cor-rective action being taken.
(1) Medical examinations—(1) Gen-eral. The employer shall provide or make available at his cost, medical examina-tions relative to exposure to asbestos re-quired by this paragraph.
(2) Preplacement. The employer shall provide or make available to each of his employees, within 30 calendar days fol-lowing his first employment in an occupation exposed to 5. irborne con-centrations of asbestos fibers, a compre-hensive medical examination, which shall include, as a minimum, a chest roent-genogram (posterior-anterior 14 x 17 inches), a history to elicit symptom-atology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second (FEV₁₀).
(3) Annual examinations. On or be-fore January 31, 1973, and at least an-

(3) Annual examinations. On or before January 31, 1973, and at least an-nually thereafter, every employer shall provide, or make available, comprehen-sive medical examinations to each of his employees engaged in occupations ex-posed to airborne concentrations of as-bestos fibers. Such annual examination shall include bestos fibers. Such annual examination shall include, as a minimum, a chest roentgenogram (posterior-anterior 14 x 17 inches), a history to elicit symptom-atology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second (FEV_{1.0}).

(4) Termination of employment. The employer shall provide, or make avail-able, within 30 calendar days before or after the termination of employment of any employee engaged in an occupation exposed to airborne concentrations of exposed to airborne concentrations of asbestos fibers, a comprehensive medical examination which shall include, as a minimum, a chest roentgenogram (pos-terior-anterior 14 x 17 inches), a history to elicit symptomatology of respiratory disease, and pulmonary function tests to include forced vital capacity (FVC) and forced expiratory volume at 1 second (FFV..) (FEV_{1.0}).

(5) Recent examinations. No medical examination is required of any em-ployee, if adequate records show that the employee has been examined in ac-cordance with this paragraph within the past 1-year period.

(6) Medical records-(i) Maintenance. Employers of employees examined pursuant to this paragraph shall cause to be maintained complete and accurate records of all such medical examinations. Records shall be retained by employers for at least 20 years.

employers for at least 20 years. (ii) Access. The contents of the rec-ords of the medical examinations required by this paragraph shall be made available, for inspection and copying, to the Assistant Secretary of Labor for Occupational Safety and Health, the Director of NIOSH, to authorized physi-cians and medical consultants of either of them, and, upon the request of an em-ployee or former employee, to his physiof them, and, upon the request of an em-ployee or former employee, to his physi-cian. Any physician who conducts a medical examination required by this paragraph shall furnish to the employer of the examined employee all the infor-mation specifically required by this paragraph, and any other medical in-formation related to occupational ex-posure to asbestos fibers.

3. A new § 1910.19 is added to Subpart B of Part 1910, reading as follows:

§ 1910.19 Asbestos dust.

S 1910.19 Ashestos dust. Section 1910.93a shall apply to the ex-posure of every employee to asbestos dust in every employment and place of employment covered by § 1910.12, § 1910.13, § 1910.14, § 1910.15, or § 1910.16, in lieu of any different standard on ex-posure to asbestos dust which would otherwise be applicable by virtue of any of those sections.

of those sections. Effective date. Paragraph (b)(2) of § 1910.93a shall become effective July 1, 1976. All other provisions of §§ 1919.93a, 1910.93, and 1910.19 shall become effec-tive July 7, 1972. The current emergency temporary standard remains in effect until July 7, 1972.

(Secs. 6, 8, 84 Stat. 1593, 1598; 29 U.S.C. 655, 657; 29 CFR 1910.4; Secretary of Labor's Order No. 12-71, 36 F.R. 8754)

Signed at Washington, D.C., this 2d day of June 1972.

G. C. GUENTHER, Assistant Secretary of Labor.

[FR Doc.72-8574 Filed 6-6-72;8:48 am]

Title 41—PUBLIC CONTRACTS AND PROPERTY MANAGEMENT

Chapter 9-Atomic Energy Commission

PART 9-1-GENERAL

Subpart 9-1.1-Procurement Regulations

MISCELLANEOUS AMENDMENTS

The changes made in AECPR Subpart 9-1.1, Procurement Regulations, have been made in order to establish the AECPR Temporary Regulations, which are a part of the AEC Procurement Reg-ulations and the Federal Procurement Regulations and the Federal Procurement Regulations System. The AECPR Tem-porary Regulations implement and sup-plement the FPR Temporary Regula-tions. They also contain policies and procedures initiated by the AEC which are to be effective for a period of 6 menthe or loss. The AEC Brownset months or less. The AEC Procurement

Instruction section has been revised accordingly. Minor editorial changes have

also been made. 1. Section 9-1.101 Scope of subpart, is revised to read as follows:

§ 9-1.101 Scope of subpart.

This subpart describes the Atomic Energy Commission Procurement Regu-lations and the AECPR Temporary Reg-ulations. It also describes exclusions from the AECPR as contained in the AEC Procurement Instructions. 2. Section 9-1.102 Establishment of AEC Procurement Regulations, is revised to read as follows:

§ 9–1.102 Establishment of the AEC Procurement Regulations and the AECPR Temporary Regulations.

§ 9-1.102-1 AEC Procurement Regulations.

 (a) The AEC Procurement Regulations (AECPR) are hereby established.
 (b) These regulations implement and supplement the Federal Procurement Regulations (FPR) and are a part of the Foderal Procurement, Regulations the Federal Procurement Regulations System

(c) The effective date of FPR issuances throughout AEC will be the date indicated in the respective issuances unless otherwise provided in the AEC Procurement Regulations.
(d) The effective date of AECPR issuances throughout AEC will be the date indicated in the respective issuances.

indicated in the respective issuances.

§ 9-1.102-2 AECPR Temporary Regulations.

(a) The AECPR Temporary Regula-tions are hereby established.

tions are hereby established.
(b) These regulations implement and supplement the Federal Procurement Regulations Temporary Regulations. They also contain policies and procedures initiated by the AEC which are expected to be effective for a period of 6 months or less.
(c) The effective date of the FPR Temporary Regulations issuances throughout AEC will be the date indicated in the respective date of the AECPR Temporary Regulations.
(d) The effective date of the AECPR Temporary Regulations.
(d) The effective date of the AECPR Temporary Regulations issuances throughout AEC will be the date indicated in the respective issuances unless otherwise provided in the AECPR Temporary Regulations.

throughout AEC will be the date indi-cated in the respective issuances. (e) The AECPR Temporary Regula-tions are a part of the AEC Procurement Regulations and the Federal Procure-ment Regulations System. All references to the AEC Procurement Regulations or AECPR in §§ 9-1.103 through 9-1.109 of this subpart shall be deemed to include the AECPR temporary regulations.

3. Section 9-1.103 Authority, is revised to read as follows:

§ 9-1.103 Authority.

The AEC Procurement Regulations are prescribed by the General Manager, As-sistant General Manager for Administra-tion, or the Director, Division of Con-tracts of the AEC, pursuant to the au-thority of the Atomic Energy Act of 1954, and the Federal Property and Adminis-trative Services Act of 1949.

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