

the extent that the production of such records:

(i) Could reasonably be expected to interfere with enforcement proceedings;

(ii) Would deprive a person of the right to a fair trial or to an impartial adjudication;

(iii) Could reasonably be expected to constitute an unwarranted invasion of personal privacy of a living person, including surviving family members of an individual identified in such a record;

(iv) Could reasonably be expected to disclose the identity of a confidential source, including a source within NSA/CSS, state, local, or foreign agency or authority, or any private institution which furnishes the information on a confidential basis, or could disclose information furnished from a confidential source and obtained by a criminal law enforcement authority in a criminal investigation or by an agency conducting a lawful national security intelligence investigation;

(v) Would disclose techniques and procedures for law enforcement investigations or prosecutions, or would disclose guidelines for law enforcement investigations or prosecutions if such disclosure could reasonably be expected to risk circumvention of the law; and

(vi) Could reasonably be expected to endanger the life or physical safety of any individual.

(8) Records contained in or related to examination, operating, or condition reports prepared by, on behalf of, or for the use of an agency responsible for the regulation or supervision of financial institutions.

(9) Geological and geophysical information and data, including maps, concerning wells.

(c) Information which has not been given a security classification pursuant to the criteria of an Executive Order, but which may be withheld from the public for one or more of reasons cited in this section, shall be considered as being "For Official Use Only (FOUO). No other material shall be considered or marked FOUO.

Dated: December 9, 1999.

L.M. Bynum,

Alternate OSD Federal Register, Liaison Officer Department of Defense.

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ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 52

[AZ 012-FIP; FRL-6511-3]

RIN 2060-A154

Revision to Promulgation of Federal Implementation Plan for Arizona—Maricopa Nonattainment Area; PM-10

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final rule.

SUMMARY: Under the authority of section 110(c)(1) of the Clean Air Act (CAA or "the Act"), EPA is finalizing proposed amendments to the moderate area federal implementation plan (FIP) for the Phoenix PM-10 nonattainment area. These amendments modify the fugitive dust rule to add or replace certain test methods and allow alternative control measures (ACMs) to be implemented without prior EPA approval. For the convenience of readers, the entire FIP rule is reprinted in this publication.

DATES: This action is effective on January 20, 2000.

ADDRESSES: A copy of docket No. A-98-42 containing material relevant to this final action, including EPA's responses to comments received on the proposed amendments, is available for review at: EPA Region 9, Air Division, 75 Hawthorne Street, San Francisco, CA 94105. Interested persons may make an appointment with Eleanor Kaplan (415) 744-1159 to inspect the docket at EPA's San Francisco office on weekdays between 9 a.m. and 4 p.m.

A copy of the docket No. A-98-42 is also available to review at the Arizona Department of Environmental Quality, Library, 3033 N. Central Avenue, Phoenix, Arizona 85012. (602) 207-2217.

Electronic Availability: This document is also available as an electronic file on EPA's Region 9 Air Web Page at <http://www.epa.gov/region09/air>.

FOR FURTHER INFORMATION CONTACT: Karen Irwin (415) 744-1903.

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I. Background

On August 3, 1998 (63 FR 41326), EPA finalized a FIP for the Phoenix PM-10 nonattainment area (the "final FIP"). Readers should refer to 63 FR 41326 for details of the history and contents of the final FIP.

The final FIP includes a fugitive dust rule to control PM-10 emissions from vacant lots, unpaved parking lots and unpaved roads codified at 40 CFR 52.128 (63 FR 41326, 41350), hereafter referred to as "the final FIP rule".¹ EPA subsequently proposed specific revisions related to the test methods, ACMs, and unpaved road requirements of the final FIP rule (64 FR 3263, January 21, 1999). EPA accepted comments on the proposed amendments through March 8, 1999. EPA is now finalizing action on all but one of the proposed amendments and re-publishing the final FIP fugitive dust rule in its entirety.

A detailed discussion of the FIP rule revisions proposed by EPA can be found in 64 FR 3263, January 1999. EPA proposed to add a silt content test method for unpaved roads and unpaved parking lots, add a new visible crust test method or replace the visible crust test method for vacant lots, add a procedure for measuring the density of standing vegetation to the standing vegetation test method, include coverage of privately owned unpaved roads that are privately maintained or not maintained,² and allow ACMs to be implemented without prior EPA approval.

¹ EPA promulgated the final FIP rule as part of its court-ordered obligation to provide for the implementation of Reasonably Available Control Measures (RACM) (required by section 189(a)(1)(C) of the Clean Air Act) in the Phoenix PM-10 nonattainment area.

² Note: the FIP rule as finalized in August 1998 includes coverage of privately owned unpaved roads that are publicly maintained; EPA's proposal in January 1999 to include privately owned roads that are privately maintained or not maintained has no bearing on existing FIP rule coverage of privately owned, publicly maintained unpaved roads.

II. Summary of Final Action on Proposed Revisions

A. Test Methods

1. Silt Content Test Method

The final FIP rule contains an opacity standard of twenty (20) percent, or Ringlemann 1, for unpaved roads and unpaved parking lots. Compliance with this standard is to be tested using visible emissions test methods included in the final Phoenix FIP rule.³ EPA proposed an additional, new test method for measuring silt content.⁴

EPA solicited comments on this additional test method and whether or not to retain the existing opacity test method in the final FIP rule. EPA received no comments suggesting that the existing opacity test method be eliminated from the FIP rule. In this final action, EPA has added the silt content test method into the FIP rule and retained the opacity test method. Therefore, sources subject to the FIP rule will need to comply with both a silt content standard and an opacity standard.

Also, EPA received public comments suggesting that silt loading be taken into account. In this final action, EPA has included a silt loading value in the silt content test method, below which a source may be deemed in compliance with the FIP rule. Text changes to accommodate this addition occur in paragraph (b)(16) and in Appendix A, I.B of the final amendments.

Furthermore, EPA has clarified the following items from the proposed test method text:

- Samples should be collected to a depth of approximately 1 centimeter or until a hard subsurface is reached, whichever occurs first.
- If sieving is simplified by combining three samples, each sample should weigh within one ounce of the other two samples. (EPA's contractor clarified that samples must be of approximately the same weight in order to ensure technical accuracy if they are combined.)⁵

EPA has corrected the following two items from the proposed test method text:

- An incorrect reference to collector pan material as silt fraction has been eliminated.
- A printing error in the AP-42 silt content test method with respect to the

method's equation to calculate percent silt content.

2. Visible Crust Test Method

The final FIP rule's test method for measuring visible crust thickness on vacant lots involved breaking off a piece of crust, checking whether the crust crumbles easily and measuring its thickness with a ruler.⁶ EPA proposed an alternative method to determine the sufficiency of a visible crust.⁷ The alternative test method involves dropping a small steel ball from a height of one foot in select one square foot areas and checking to see whether the ball penetrates the surface or causes loose grains to appear. Public comments received support the alternative method. In this final action, EPA has replaced the earlier visible crust thickness test method with the alternative visible crust test method. This required renumbering of the proposed text⁸ for consistency with the numbering of other vacant lot test methods. Also, EPA has modified the text to allow the weight of the ball used in the test method to range from 16 to 17 grams, as opposed to an exact weight of 16.33 grams.

3. Standing Vegetation Test Method Density Procedure

The final FIP rule contains a test method for standing vegetation.⁹ EPA proposed to add a vegetation density procedure involving the use of a grid with one inch or half-inch squares to help ensure that various vegetative structures can be assessed accurately and consistently.¹⁰ Public comments received support the inclusion of the vegetation density procedure in the standing vegetation test method. In this final action, EPA has added the density procedure into the final FIP rule. EPA also made two minor text corrections to the proposed test method which are enumerated in the Technical Support Document associated with this action, which can be found in Docket No. A-98-42.

B. Alternative Control Measures

In the final FIP rule (August 1998), ACMs are allowed provided that they are submitted to EPA and receive EPA approval.¹¹ ACMs are any RACM not specifically listed in the rule that can

meet the rule's stabilization standards for each source category.¹² EPA proposed to amend the final FIP rule such that ACMs would not require prior EPA approval.¹³ In today's action, EPA has accordingly eliminated the final FIP rule requirement that ACMs receive prior EPA approval.

III. Unpaved Roads

The final FIP rule contains requirements to control fugitive dust from unpaved roads that are publicly owned and/or operated (*i.e.*, maintained). This includes privately owned roads that are publicly maintained. EPA proposed to include in the FIP rule unpaved privately owned roads that are privately maintained or not maintained. EPA is not taking final action at this time on the proposed amendments to the unpaved road requirements of the final FIP rule. The Maricopa Association of Governments (MAG) recently announced its intent to pave or otherwise control all unpaved roads located in the PM-10 nonattainment area with traffic levels that meet or exceed 130 average daily trips.¹⁴ EPA believes that the County's action may supersede the need for EPA to control additional unpaved roads as specified in the proposed FIP revision, and thus is not taking action on the proposed revision at this time.

IV. Agency Responses to Comments

A 45-day public comment period was provided in 64 FR 3263. EPA received several comments on the proposed FIP rule revisions and responds to the most significant below. EPA has responded to all comments associated with this final action in the Technical Support Document, which can be found in Docket No. A-98-42.

Comment: Maricopa County Environmental Services Division (MCESD) comments that by itself, the silt content of the surface material on an unpaved road is a unidimensional parameter and does not indicate whether or not the road is stabilized. It is the silt loading value which provides an indicator of stabilization as it estimates the amount of fine particulate per surface area which may become airborne. The proposed test method should be modified to derive silt loading in place of silt content.

¹² The ACM provisions of the rule do not otherwise authorize any modification of the FIP rule's requirements.

¹³ 64 FR 3263, 3267.

¹⁴ Memorandum from Lindy Bauer, MAG, to Members of the MAG Air Quality Planning Team, November 30, 1999, summarizing the MAG Transportation Review Committee's funding recommendations presented on November 23, 1999.

³ Reference Method 9 (40 CFR part 60, appendix A) and Methods 203A and 203C. Appendix A.I. to § 52.128 (63 FR 41326, 41353-41355).

⁴ 64 FR 3263, 3267-3268.

⁵ Chatten Cowherd, MRI Research Institute in Kansas City, Missouri, January 1999.

⁶ 63 FR 41324, 41355.

⁷ 64 FR 3263, 3268-3269.

⁸ 63 FR 3263, 3268.

⁹ 63 FR 41326, 41356.

¹⁰ 64 FR 3263, 3269-3271. The procedure was provided to EPA by Larry Hagen, Agricultural Engineer, United States Department of Agriculture, Wind Erosion Research Unit, 2004 Throckmorton Hall, Kansas State University, Manhattan, Kansas 66506.

¹¹ 63 FR 41326, 41352.

Response: EPA has modified the test method to include a silt loading parameter, such that surfaces with less than 0.33 oz/ft.³ silt loading will be considered stable under the FIP rule. However, EPA has retained the silt content standards of 6 percent for unpaved roads and 8 percent for unpaved parking lots when silt loading is greater than or equal to 0.33 oz/ft.²

Comment: MCESD, Maricopa County Department of Transportation (MCDOT) and Arizona Department of Environmental Quality (ADEQ) comment on the benefits associated with retaining the opacity test method in the FIP rule while adding a silt content test method. With respect to visible crust test methods, however, MCESD and ADEQ comment that EPA should replace (*i.e.*, not retain) the visible crust test currently found in the FIP rule with the proposed “drop ball” visible crust test. Arizona Center for Law in the Public Interest (ACLPI) comments that they support the use of the most accurate test methods available, however, test methods should not be replaced where the superiority of the replacement tests has not been established; requiring both existing and proposed tests, at least for a certain time period, would not be unduly cumbersome or expensive to the regulated community, and this would also allow EPA to compare the relative value and accuracy of the two sets of tests.

Response: EPA has retained the opacity standard in the FIP rule, while adding a new test method for measuring silt content. Retaining both the opacity and silt content standards and test methods in the final FIP rule will provide greater flexibility for qualified persons to conduct compliance testing of fugitive dust sources and will allow opportunities to compare the relative value and accuracy of the two tests.

With respect to visible crust test methods, EPA has replaced the former visible crust test with the proposed “drop ball” visible crust test. EPA conducted field testing of both the visible crust test method in the final FIP rule and the proposed “drop ball” visible crust test method. Field testing showed that the proposed “drop ball” test method is easier to conduct, more accurately repeatable by various parties, and more indicative of whether a sufficiently stabilizing crust exists. To ensure the use of a superior method, EPA is replacing the test method in the final FIP rule with the “drop ball” test method. (Interested parties should note that the test method for threshold friction velocity promulgated in the final FIP rule can also be used to

determine source compliance where some visible crusting is present.)

Comment: ADEQ comments that adding the vegetative density procedure to the current test method would clarify the method and produce more accurate results when performed by different individuals.

Response: EPA has added the vegetative density procedure to the standing vegetation test method.

Comment: ADEQ comments that they support eliminating the requirement to submit ACMs to EPA because implementation costs will decrease since parties will not need to commit time and resources to submit ACMs to EPA and wait for approval before utilizing them. ACLPI, however, comments that they strongly object to the implementation of ACMs without EPA approval because without such approval, ACMs will inevitably become “least effective control measures”.

Response: EPA has eliminated the requirement to submit ACMs to EPA for approval. Since the FIP rule contains standards and test methods which indicate whether a surface is stabilized, owners/operators can be allowed flexibility as to the type of control measure applied as long as the control measure results in a stabilized surface. The elimination of the requirement to submit ACMs for prior EPA approval does not lessen the owners’/operators’ responsibility to implement control measures effectively on the sources subject to the rule. In fact, by emphasizing the intended result, as opposed to the type of control, EPA hopes to increase owners’/operators’ understanding that their responsibility under the FIP rule will remain until a source is controlled, even if the owner/operator inadequately implements a control measure or implements an ineffective control measure. If applied, ACMs must meet the minimum standards established by the FIP rule, therefore, requiring that ACMs be submitted to EPA for approval would result in unnecessary administrative burden.

V. Text Corrections to the Final Rule

In addition to finalizing the proposed rule amendments, EPA is incorporating a few minor corrections to final FIP rule text at 40 CFR 52.128. These are enumerated in the Technical Support Document associated with this action, which can be found in Docket No. A-98-42.

VI. Administrative Requirements

A. Executive Order 12866

Under Executive Order 12866, 58 FR 51735 (October 4, 1993), the Agency

must determine whether the regulatory action is “significant” and therefore subject to Office of Management and Budget (OMB) review and the requirements of the Executive Order. The Order defines “significant regulatory action” as one that is likely to result in a rule that may:

- (1) have an annual effect on the economy of \$100 million or more or adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local or tribal governments or communities;
- (2) create a serious inconsistency or otherwise interfere with an action taken or planned by another agency;
- (3) materially alter the budgetary impact of entitlements, grants, user fees, or loan programs or the rights and obligations of recipients thereof; or
- (4) raise novel legal or policy issues arising out of legal mandates, the President’s priorities, or the principles set forth in the Executive Order.

Due to potential novel policy issues this action is considered a significant regulatory action and therefore must be reviewed by OMB. Changes made in response to OMB suggestions or recommendations will be documented in the public record.

B. Executive Order 13045

Protection of Children from Environmental Health Risks and Safety Risks (62 FR 19885, April 23, 1997), applies to any rule that: (1) Is determined to be “economically significant” as defined under Executive Order 12866, and (2) concerns an environmental health or safety risk that EPA has reason to believe may have a disproportionate effect on children. If the regulatory action meets both criteria, the Agency must evaluate the environmental health or safety effects of the planned rule on children, and explain why the planned regulation is preferable to other potentially effective and reasonably feasible alternatives considered by the Agency.

This rule is not subject to Executive Order 13045 because it does not involve decisions intended to mitigate environmental health or safety risks.

C. Executive Order 13084

Under Executive Order 13084, EPA may not issue a regulation that is not required by statute, that significantly affects or uniquely affects the communities of Indian tribal governments, and that imposes substantial direct compliance costs on those communities, unless the Federal government provides the funds necessary to pay the direct compliance costs incurred by the tribal

governments. If EPA complies by consulting, Executive Order 13084 requires EPA to provide to the Office of Management and Budget, in a separately identified section of the preamble to the rule, a description of the extent of EPA's prior consultation with representatives of affected tribal governments, a summary of the nature of their concerns, and a statement supporting the need to issue the regulation. In addition, Executive Order 13084 requires EPA to develop an effective process permitting elected and other representatives of Indian tribal governments "to provide meaningful and timely input in the development of regulatory policies on matters that significantly or uniquely affect their communities."

Today's rule does not significantly or uniquely affect the communities of Indian tribal governments. This action does not involve or impose any requirements that affect Indian Tribes. Accordingly, the requirements of section 3(b) of Executive Order 13084 do not apply to this rule.

D. Executive Order 13132

Executive Order 13132, entitled "Federalism" (64 FR 43255, August 10, 1999), requires EPA to develop an accountable process to ensure "meaningful and timely input by State and local officials in the development of regulatory policies that have federalism implications." "Policies that have federalism implications" is defined in the Executive Order to include regulations that have "substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government." Under Executive Order 13132, EPA may not issue a regulation that has federalism implications, that imposes substantial direct compliance costs, and that is not required by statute, unless the Federal government provides the funds necessary to pay the direct compliance costs incurred by State and local governments, or EPA consults with State and local officials early in the process of developing the proposed regulation. EPA also may not issue a regulation that has federalism implications and that preempts State law unless the Agency consults with State and local officials early in the process of developing the proposed regulation.

If EPA complies by consulting, Executive Order 13132 requires EPA to provide to the Office of Management and Budget (OMB), in a separately identified section of the preamble to the rule, a federalism summary impact

statement (FSIS). The FSIS must include a description of the extent of EPA's prior consultation with State and local officials, a summary of the nature of their concerns and the agency's position supporting the need to issue the regulation, and a statement of the extent to which the concerns of State and local officials have been met. Also, when EPA transmits a draft final rule with federalism implications to OMB for review pursuant to Executive Order 12866, EPA must include a certification from the agency's Federalism Official stating that EPA has met the requirements of Executive Order 13132 in a meaningful and timely manner.

This final rule will not have substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government, as specified in Executive Order 13132. The revisions finalized in this rulemaking concern test methods and flexibility for alternative compliance. Thus, the requirements of section 6 of the Executive Order do not apply to this rule.

E. Regulatory Flexibility Analysis

1. Regulatory Flexibility Act Requirements

Under the Regulatory Flexibility Act (RFA), 5 U.S.C. 600 *et seq.*, EPA must prepare a regulatory flexibility analysis assessing the impact of any proposed or final rule on small entities. Alternatively, EPA may certify that the rule will not have a significant impact on a substantial number of small entities. Small entities include small businesses, small not-for-profit enterprises, and government entities with jurisdiction over populations of less than 50,000.

For the purposes of this inquiry, as it applies to the proposed amendments to the federal fugitive dust rule (40 CFR § 52.128), EPA is assuming that the affected or potentially affected sources constitute "small entities" as defined by the RFA.

A detailed discussion of the RFA analysis for the final FIP is found in section V.B. at 63 FR 41326. In general, the finalized amendments to the final FIP fugitive dust rule are intended to provide more flexibility in complying with the FIP rule and to improve the test methods as they currently exist in the rule. Thus, EPA believes that the amendments will not change the final FIP RFA analysis, except possibly to have a lesser impact on small entities.

2. RFA Analysis

a. Finalized Amendments to Federal Rule for Unpaved Roads, Unpaved Parking Lots and Vacant Lots

EPA believes that the finalized test method amendments will provide either more flexibility or an improved procedure for determining compliance with the FIP fugitive dust rule. The silt content test method will allow persons who are not certified in visible emissions training to test the stability of an unpaved road or unpaved parking lot by using an alternative method to the opacity test method. EPA plans to ensure that the necessary sieve units are available for loan by local entities to regulated sources. Also, the newly added visible crust test method accomplishes the same objective as the previous visible crust test method yet is more practical and can be accurately repeated by various parties. The additional procedure to assist parties in measuring frontal silhouette area of various vegetative structures is merely intended to address circumstances that may arise in the field which are not addressed in the final FIP rule. Finally, eliminating the requirement for EPA approval of ACMs increases the rule's flexibility for source owners/operators and reduces the paperwork burden of the rule.

b. Certification

For reasons discussed above, EPA has determined that it is not necessary to prepare a regulatory flexibility analysis in connection with the final rule amendments. After consideration of the economic impacts of today's final rule amendments on small entities, I hereby certify that the final rule will not have a significant economic impact on a substantial number of small entities.

F. Unfunded Mandates Reform Act (UMRA)

Under Section 202 of the Unfunded Mandates Reform Act of 1995 ("Unfunded Mandates Act"), signed into law on March 22, 1995, EPA must prepare a budgetary impact statement to accompany any proposed or final rule that includes a Federal mandate that may result in estimated costs to State, local, or tribal governments in the aggregate; or to private sector, of \$100 million or more. Under Section 205, EPA must select the most cost-effective and least burdensome alternative that achieves the objectives of the rule and is consistent with statutory requirements. Section 203 requires EPA to establish a plan for informing and advising any small governments that

may be significantly or uniquely impacted by the rule.

A detailed discussion of the UMRA requirements and how they are addressed can be found in section V.C. of the final FIP rulemaking (63 FR 41326). As explained above, today's finalized amendments to the final FIP fugitive dust rule are intended to provide more flexibility in complying with the FIP rule and to improve the test methods currently in the rule. Thus, EPA believes that the amendments will not change the final FIP UMRA analysis, except possibly to have a lesser impact on most regulated entities.

G. Paperwork Reduction Act

The finalized test method and ACM amendments do not impact the information collection request analysis for the final FIP (EPA ICR 1855.02). The final FIP (63 FR 41326) provides more information on the information collection request requirements.

H. National Technology Transfer and Advancement Act (NTTAA)

Section 12(d) of the National Technology Transfer and Advancement Act of 1995 ("NTTAA"), Public Law No. 104-113, Sec. 12(d) (15 U.S.C. 272 note) directs EPA to use voluntary consensus standards in its regulatory activities unless to do so would be inconsistent with applicable law or otherwise impractical. Voluntary consensus standards are technical standards (e.g., materials specifications, test methods, sampling procedures, and business practices) that are developed or adopted by voluntary consensus standards bodies. The NTTAA directs EPA to provide Congress, through OMB, explanations when the Agency decides not to use available and applicable voluntary consensus standards.

In this action, EPA has incorporated voluntary consensus standards where feasible [See language for Appendix A to § 52.128, I.B(iv)]. However, in most cases there are no applicable technical standards or field procedures specifically designed for the source categories at hand. OMB has reviewed and concurred on the applicable technical standards finalized in this revision.

I. Submission to Congress and the General Accounting Office

The Congressional Review Act, 5 U.S.C. 801 *et seq.*, as added by the Small Business Regulatory Enforcement Fairness Act of 1996, generally provides that before a rule may take effect, the agency promulgating the rule must submit a rule report, which includes a copy of the rule, to each House of the

Congress and to the Comptroller General of the United States. EPA will submit a report containing this rule and other required information to the U.S. Senate, the U.S. House of Representatives, and the Comptroller General of the United States prior to publication of the rule in the **Federal Register**. This rule is not a "major" rule as defined by 5 U.S.C. 804(2).

J. Petitions for Judicial Review

Under section 307(b)(1) of the Clean Air Act, petitions for judicial review of this action must be filed in the United States Court of Appeals for the appropriate circuit by February 22, 2000. Filing a petition for reconsideration by the Administrator of this final rule does not affect the finality of this rule for the purposes of judicial review nor does it extend the time within which a petition for judicial review may be filed, and shall not postpone the effectiveness of such rule or action. This action may not be challenged later in proceedings to enforce its requirements. (See section 307(b)(2).)

List of Subjects in 40 CFR Part 52

Environmental protection, Air pollution control, Intergovernmental relations, Particulate matter.

Dated: December 13, 1999.

Carol M. Browner,
Administrator.

For the reasons set forth in the preamble, part 52, chapter I, title 40 of the Code of Federal Regulations is amended as follows:

PART 52—APPROVAL AND PROMULGATION OF IMPLEMENTATION PLANS

1. The authority citation for part 52 continues to read as follows:

Authority: 42 U.S.C. 7401 *et seq.*

Subpart D—Arizona

2. Section 52.128 is revised as follows:

§ 52.128 Rule for unpaved parking lots, unpaved roads and vacant lots.

(a) *General.* (1) *Purpose.* The purpose of this section is to limit the emissions of particulate matter into the ambient air from human activity on unpaved parking lots, unpaved roads and vacant lots.

(2) *Applicability.* The provisions of this section shall apply to owners/operators of unpaved roads, unpaved parking lots and vacant lots and responsible parties for weed abatement on vacant lots in the Phoenix PM-10

nonattainment area. This section does not apply to unpaved roads, unpaved parking lots or vacant lots located on an industrial facility, construction, or earth-moving site that has an approved permit issued by Maricopa County Environmental Services Division under Rule 200, Section 305, Rule 210 or Rule 220 containing a Dust Control Plan approved under Rule 310 covering all unpaved parking lots, unpaved roads and vacant lots. This section does not apply to the two Indian Reservations (the Salt River Pima-Maricopa Indian Community and the Fort McDowell Mojave-Apache Indian Community) and a portion of a third reservation (the Gila River Indian Community) in the Phoenix PM-10 nonattainment area. Nothing in this definition shall preclude applicability of this section to vacant lots with disturbed surface areas due to construction, earth-moving, weed abatement or other dust generating operations which have been terminated for over eight months.

(3) The test methods described in Appendix A of this section shall be used when testing is necessary to determine whether a surface has been stabilized as defined in paragraph (b)(16) of this section.

(b) *Definitions.* (1) *Average daily trips (ADT)*—The average number of vehicles that cross a given surface during a specified 24-hour time period as determined by the Institute of Transportation Engineers Trip Generation Report (6th edition, 1997) or tube counts.

(2) *Chemical/organic stabilizer*—Any non-toxic chemical or organic dust suppressant other than water which meets any specifications, criteria, or tests required by any federal, state, or local water agency and is not prohibited for use by any applicable law, rule or regulation.

(3) *Disturbed surface area*—Any portion of the earth's surface, or materials placed thereon, which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural condition, thereby increasing the potential for emission of fugitive dust.

(4) *Dust suppressants*—Water, hygroscopic materials, solution of water and chemical surfactant, foam, or non-toxic chemical/organic stabilizers not prohibited for use by any applicable law, rule or regulation, as a treatment material to reduce fugitive dust emissions.

(5) *EPA*—United States Environmental Protection Agency, Region IX, 75 Hawthorne Street, San Francisco, California 94105.

(6) *Fugitive dust*—The particulate matter entrained in the ambient air which is caused from man-made and natural activities such as, but not limited to, movement of soil, vehicles, equipment, blasting, and wind. This excludes particulate matter emitted directly from the exhaust of motor vehicles and other internal combustion engines, from portable brazing, soldering, or welding equipment, and from piledrivers.

(7) *Lot*—A parcel of land identified on a final or parcel map recorded in the office of the Maricopa County recorder with a separate and distinct number or letter.

(8) *Low use unpaved parking lot*—A lot on which vehicles are parked no more than thirty-five (35) days a year, excluding days where the exemption in paragraph (c)(2) of this section applies.

(9) *Motor vehicle*—A self-propelled vehicle for use on the public roads and highways of the State of Arizona and required to be registered under the Arizona State Uniform Motor Vehicle Act, including any non-motorized attachments, such as, but not limited to, trailers or other conveyances which are connected to or propelled by the actual motorized portion of the vehicle.

(10) *Off-road motor vehicle*—any wheeled vehicle which is used off paved roadways and includes but is not limited to the following:

(i) Any motor cycle or motor-driven cycle;

(ii) Any motor vehicle commonly referred to as a sand buggy, dune buggy, or all terrain vehicle.

(11) *Owner/operator*—any person who owns, leases, operates, controls, maintains or supervises a fugitive dust source subject to the requirements of this section.

(12) *Paving*—Applying asphalt, recycled asphalt, concrete, or asphaltic concrete to a roadway surface.

(13) *Phoenix PM-10 nonattainment area*—such area as defined in 40 CFR 81.303, excluding Apache Junction.

(14) *PM-10*—Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by reference or equivalent methods that meet the requirements specified for PM-10 in 40 CFR part 50, Appendix J.

(15) *Reasonably available control measures (RACM)*—Techniques used to prevent the emission and/or airborne transport of fugitive dust and dirt.

(16) *Stabilized surface*—(i) Any unpaved road or unpaved parking lot surface where:

(A) Any fugitive dust plume emanating from vehicular movement does not exceed 20 percent opacity as

determined in section I.A of Appendix A of this section; and

(B) Silt loading (weight of silt per unit area) is less than 0.33 ounces per square foot as determined by the test method in section I.B of Appendix A of this section OR where silt loading is greater than or equal to 0.33 ounces per square foot and silt content does not exceed six (6) percent for unpaved road surfaces or eight (8) percent for unpaved parking lot surfaces as determined by the test method in section I.B of Appendix A of this section.

(ii) Any vacant lot surface with:

(A) A visible crust which is sufficient as determined in section II.1 of Appendix A of this section;

(B) A threshold friction velocity (TFV), corrected for non-erodible elements, of 100 cm/second or higher as determined in section II.2 of Appendix A of this section;

(C) Flat vegetation cover equal to at least 50 percent as determined in section II.3 of Appendix A of this section;

(D) Standing vegetation cover equal to or greater than 30 percent as determined in section II.4 of Appendix A of this section; or

(E) Standing vegetation cover equal to or greater than 10 percent as determined in section II.4 of Appendix A of this section where threshold friction velocity, corrected for non-erodible elements, as determined in section II.2 of Appendix A of this section is equal to or greater than 43 cm/second.

(17) *Unpaved parking lot*—A privately or publicly owned or operated area utilized for parking vehicles that is not paved and is not a Low use unpaved parking lot.

(18) *Unpaved road*—Any road, equipment path or driveway used by motor vehicles or off-road motor vehicles that is not paved which is open to public access and owned/operated by any federal, state, county, municipal or other governmental or quasi-governmental agencies.

(19) *Urban or suburban open area*—An unsubdivided or undeveloped tract of land adjoining a residential, industrial or commercial area, located on public or private property.

(20) *Vacant lot*—A subdivided residential, industrial, institutional, governmental or commercial lot which contains no approved or permitted buildings or structures of a temporary or permanent nature.

(c) *Exemptions*. The following requirements in paragraph (d) of this section do not apply:

(1) In paragraphs (d)(1), (d)(2) and (d)(4)(iii) of this section: Any unpaved

parking lot or vacant lot 5,000 square feet or less.

(2) In paragraphs (d)(1) and (d)(2) of this section: Any unpaved parking lot on any day in which ten (10) or fewer vehicles enter.

(3) In paragraphs (d)(4)(i) and (d)(4)(ii) of this section: Any vacant lot with less than 0.50 acre (21,780 square feet) of disturbed surface area(s).

(4) In paragraph (d) of this section: Non-routine or emergency maintenance of flood control channels and water retention basins.

(5) In paragraph (d) of this section: Vehicle test and development facilities and operations when dust is required to test and validate design integrity, product quality and/or commercial acceptance. Such facilities and operations shall be exempted from the provisions of this section only if such testing is not feasible within enclosed facilities.

(6) In paragraph (d)(4)(i) of this section: Weed abatement operations performed on any vacant lot or property under the order of a governing agency for the control of a potential fire hazard or otherwise unhealthy condition provided that mowing, cutting, or another similar process is used to maintain weed stubble at least three (3) inches above the soil surface. This includes the application of herbicides provided that the clean-up of any debris does not disturb the soil surface.

(7) In paragraph (d)(4)(i) of this section: Weed abatement operations that receive an approved Earth Moving permit under Maricopa County Rule 200, Section 305 (adopted 11/15/93).

(d) *Requirements*. (1) *Unpaved parking lots*. Any owners/operators of an unpaved parking lot shall implement one of the following RACM on any surface area(s) of the lot on which vehicles enter and park.

(i) Pave; or

(ii) Apply chemical/organic stabilizers in sufficient concentration and frequency to maintain a stabilized surface; or

(iii) Apply and maintain surface gravel uniformly such that the surface is stabilized; or

(iv) Apply and maintain an alternative control measure such that the surface is stabilized, provided that the alternative measure is not prohibited under paragraph (b)(2) or (b)(4) of this section.

(2) Any owners/operators of a low use unpaved parking lot as defined in paragraph (b)(8) of this section shall implement one of the RACM under paragraph (d)(1) of this section on any day(s) in which over 100 vehicles enter the lot, such that the surface area(s) on which vehicles enter and park is/are

stabilized throughout the duration of time that vehicles are parked.

(3) *Unpaved roads.* Any owners/operators of existing unpaved roads with ADT volumes of 250 vehicles or greater shall implement one of the following RACM along the entire surface of the road or road segment that is located within the Phoenix non-attainment area by June 10, 2000:

(i) Pave; or
(ii) Apply chemical/organic stabilizers in sufficient concentration and frequency to maintain a stabilized surface; or

(iii) Apply and maintain surface gravel uniformly such that the surface is stabilized; or

(iv) Apply and maintain an alternative control measure such that the surface is stabilized, provided that the alternative measure is not prohibited under paragraph (b)(2) or (b)(4) of this section.

(4) *Vacant lots.* The following provisions shall be implemented as applicable.

(i) *Weed abatement.* No person shall remove vegetation from any vacant lot by blading, disking, plowing under or any other means without implementing all of the following RACM to prevent or minimize fugitive dust.

(A) Apply a dust suppressant(s) to the total surface area subject to disturbance immediately prior to or during the weed abatement.

(B) Prevent or eliminate material track-out onto paved surfaces and access points adjoining paved surfaces.

(C) Apply a dust suppressant(s), gravel, compaction or alternative control measure immediately following weed abatement to the entire disturbed surface area such that the surface is stabilized.

(ii) *Disturbed surfaces.* Any owners/operators of an urban or suburban open area or vacant lot of which any portion has a disturbed surface area(s) that remain(s) unoccupied, unused, vacant or undeveloped for more than fifteen (15) calendar days shall implement one of the following RACM within sixty (60) calendar days following the disturbance.

(A) Establish ground cover vegetation on all disturbed surface areas in sufficient quantity to maintain a stabilized surface; or

(B) Apply a dust suppressant(s) to all disturbed surface areas in sufficient quantity and frequency to maintain a stabilized surface; or

(C) Restore to a natural state, i.e. as existing in or produced by nature without cultivation or artificial influence, such that all disturbed surface areas are stabilized; or

(D) Apply and maintain surface gravel uniformly such that all disturbed surface areas are stabilized; or

(E) Apply and maintain an alternative control measure such that the surface is stabilized, provided that the alternative measure is not prohibited under paragraph (b)(2) or (b)(4) of this section.

(iii) *Motor vehicle disturbances.* Any owners/operators of an urban or suburban open area or vacant lot of which any portion has a disturbed surface area due to motor vehicle or off-road motor vehicle use or parking, notwithstanding weed abatement operations or use or parking by the owner(s), shall implement one of the following RACM within 60 calendar days following the initial determination of disturbance.

(A) Prevent motor vehicle and off-road motor vehicle trespass/ parking by applying fencing, shrubs, trees, barriers or other effective measures; or

(B) Apply and maintain surface gravel or chemical/organic stabilizer uniformly such that all disturbed surface areas are stabilized.

(5) *Implementation date of RACM.* All of the requirements in paragraph (d) of this section shall be effective eight (8) months from September 2, 1998. For requirements in paragraph (d)(4)(ii) and (d)(4)(iii) of this section, RACM shall be implemented within eight (8) months from September 2, 1998, or within 60 calendar days following the disturbance, whichever is later.

(e) *Monitoring and records.* (1) Any owners/operators that are subject to the provisions of this section shall compile and retain records that provide evidence of control measure application, indicating the type of treatment or measure, extent of coverage and date applied. For control measures involving chemical/organic stabilization, records shall also indicate the type of product applied, vendor name, label instructions for approved usage, and the method, frequency, concentration and quantity of application.

(2) Copies of control measure records and dust control plans along with supporting documentation shall be retained for at least three years.

(3) *Agency surveys.* (i) EPA or other appropriate entity shall conduct a survey of the number and size (or length) of unpaved roads, unpaved parking lots, and vacant lots subject to the provisions of this section located within the Phoenix PM-10 nonattainment area beginning no later than 365 days from September 2, 1998.

(ii) EPA or other appropriate entity shall conduct a survey at least every three years within the Phoenix PM-10 nonattainment area beginning no later

than 365 days from September 2, 1998, which includes:

(A) An estimate of the percentage of unpaved roads, unpaved parking lots, and vacant lots subject to this section to which RACM as required in this section have been applied; and

(B) A description of the most frequently applied RACM and estimates of their control effectiveness.

Appendix A to § 52.128—Test Methods To Determine Whether A Surface Is Stabilized

I. Unpaved Roads and Unpaved Parking Lots

A. Opacity Observations

Conduct opacity observations in accordance with Reference Method 9 (40 CFR Part 60, appendix A) and Methods 203A and 203C of this appendix, with opacity readings taken at five second observation intervals and two consecutive readings per plume beginning with the first reading at zero seconds, in accordance with Method 203C, sections 2.3.2. and 2.4.2 of this appendix. Conduct visible opacity tests only on dry unpaved surfaces (i.e. when the surface is not damp to the touch) and on days when average wind speeds do not exceed 15 miles per hour (mph).

(i) Method 203A—Visual Determination of Opacity of Emissions From Stationary Sources for Time-Arranged Regulations

Method 203A is virtually identical to EPA's Method 9 (40 CFR Part 60 Appendix A) except for the data-reduction procedures, which provide for averaging times other than 6 minutes. That is, using Method 203A with a 6-minute averaging time would be the same as following EPA Method 9 (40 CFR Part 60, Appendix A). Additionally, Method 203A provides procedures for fugitive dust applications. The certification procedures provided in section 3 are virtually identical to Method 9 (40 CFR Part 60, Appendix A) and are provided here, in full, for clarity and convenience.

1. Applicability and Principle

1.1 Applicability. This method is applicable for the determination of the opacity of emissions from sources of visible emissions for time-averaged regulations. A time-averaged regulation is any regulation that requires averaging visible emission data to determine the opacity of visible emissions over a specific time period.

1.2 Principle. The opacity of emissions from sources of visible emissions is determined visually by an observer qualified according to the procedures of section 3.

2. Procedures

An observer qualified in accordance with section 3 of this method shall use the following procedures for visually determining the opacity of emissions.

2.1 Procedures for Emissions from Stationary Sources. These procedures are not applicable to this section.

2.2 Procedures for Fugitive Process Dust Emissions. These procedures are applicable for the determination of the opacity of fugitive emissions by a qualified observer. The qualified field observer should do the following:

2.2.1 Position. Stand at a position at least 5 meters from the fugitive dust source in order to provide a clear view of the emissions with the sun oriented in the 140-degree sector to the back. Consistent as much as possible with maintaining the above requirements, make opacity observations from a position such that the line of vision is approximately perpendicular to the plume and wind direction. As much as possible, if multiple plumes are involved, do not include more than one plume in the line of sight at one time.

2.2.2 Field Records. Record the name of the plant or site, fugitive source location, source type [pile, stack industrial process unit, incinerator, open burning operation activity, material handling (transfer, loading, sorting, etc.)], method of control used, if any, observer's name, certification data and affiliation, and a sketch of the observer's position relative to the fugitive source. Also, record the time, estimated distance to the fugitive source location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), observer's position relative to the fugitive source, and color of the plume and type of background on the visible emission observation form when opacity readings are initiated and completed.

2.2.3 Observations. Make opacity observations, to the extent possible, using a contrasting background that is perpendicular to the line of vision. For roads, storage piles, and parking lots, make opacity observations approximately 1 meter above the surface from which the plume is generated. For other fugitive sources, make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. For intermittent sources, the initial observation should begin immediately after a plume has been created above the surface involved. Do not look continuously at the plume but, instead, observe the plume momentarily at 15-second intervals.

2.3 Recording Observations. Record the opacity observations to the nearest 5 percent every 15 seconds on an observational record sheet. Each momentary observation recorded represents the average opacity of emissions for a 15-second period.

2.4 Data Reduction for Time-Averaged Regulations. A set of observations is composed of an appropriate number of consecutive observations determined by the averaging time specified. Divide the recorded observations into sets of appropriate time lengths for the specified averaging time. Sets must consist of consecutive observations; however, observations immediately preceding and following interrupted observations shall be deemed consecutive. Sets need not be consecutive in time and in no case shall two sets overlap, resulting in multiple violations. For each set of observations, calculate the appropriate average opacity.

3. Qualification and Testing

3.1 Certification Requirements. To receive certification as a qualified observer, a candidate must be tested and demonstrate the ability to assign opacity readings in 5 percent increments to 25 different black plumes and 25 different white plumes, with

an error not to exceed 15 percent opacity on any one reading and an average error not to exceed 7.5 percent opacity in each category. Candidates shall be tested according to the procedures described in paragraph 3.2. Any smoke generator used pursuant to paragraph 3.2 shall be equipped with a smoke meter which meets the requirements of paragraph 3.3. Certification tests that do not meet the requirements of paragraphs 3.2 and 3.3 are not valid.

The certification shall be valid for a period of 6 months, and after each 6-month period, the qualification procedures must be repeated by an observer in order to retain certification.

3.2 Certification Procedure. The certification test consists of showing the candidate a complete run of 50 plumes, 25 black plumes and 25 white plumes, generated by a smoke generator. Plumes shall be presented in random order within each set of 25 black and 25 white plumes. The candidate assigns an opacity value to each plume and records the observation on a suitable form. At the completion of each run of 50 readings, the score of the candidate is determined. If a candidate fails to qualify, the complete run of 50 readings must be repeated in any retest. The smoke test may be administered as part of a smoke school or training program, and may be preceded by training or familiarization runs of the smoke generator during which candidates are shown black and white plumes of known opacity.

3.3 Smoke Generator Specifications. Any smoke generator used for the purpose of paragraph 3.2 shall be equipped with a smoke meter installed to measure opacity across the diameter of the smoke generator stack. The smoke meter output shall display in-stack opacity, based upon a path length equal to the stack exit diameter on a full 0 to 100 percent chart recorder scale. The smoke meter optical design and performance shall meet the specifications shown in Table A. The smoke meter shall be calibrated as prescribed in paragraph 3.3.1 prior to conducting each smoke reading test. At the completion of each test, the zero and span drift, shall be checked, and if the drift exceeds ± 1 percent opacity, the condition shall be corrected prior to conducting any subsequent test runs. The smoke meter shall be demonstrated at the time of installation to meet the specifications listed in Table A. This demonstration shall be repeated following any subsequent repair or replacement of the photocell or associated electronic circuitry including the chart recorder or output meter, or every 6 months, whichever occurs first.

3.3.1 Calibration. The smoke meter is calibrated after allowing a minimum of 30 minutes warm-up by alternately producing simulated opacity of 0 percent and 100 percent. When stable response at 0 percent or 100 percent is noted, the smoke meter is adjusted to produce an output of 0 percent or 100 percent, as appropriate. This calibration shall be repeated until stable 0 percent and 100 percent readings are produced without adjustment. Simulated 0 percent and 100 percent opacity values may be produced by alternately switching the power to the light source on and off while the smoke generator is not producing smoke.

3.3.2 Smoke Meter Evaluation. The smoke meter design and performance are to be evaluated as follows:

3.3.2.1 Light Source. Verify from manufacturer's data and from voltage measurements made at the lamp, as installed, that the lamp is operated within ± 5 percent of the nominal rated voltage.

3.3.2.2 Spectral Response of Photocell. Verify from manufacturer's data that the photocell has a photopic response; i.e., the spectral sensitivity of the cell shall closely approximate the standard spectral-luminosity curve for photopic vision which is referenced in (b) of Table A.

3.3.2.3 Angle of View. Check construction geometry to ensure that the total angle of view of the smoke plume, as seen by the photocell, does not exceed 15 degrees. Calculate the total angle of view as follows:

$$\theta_v = 2 \tan^{-1} d/2L$$

Where:

θ_v = total angle of view;
d = the photocell diameter + the diameter of the limiting aperture; and
L = distance from the photocell to the limiting aperture.

The limiting aperture is the point in the path between the photocell and the smoke plume where the angle of view is most restricted. In smoke generator smoke meters, this is normally an orifice plate.

3.3.2.4 Angle of Projection. Check construction geometry to ensure that the total angle of projection of the lamp on the smoke plume does not exceed 15 degrees. Calculate the total angle of projection as follows:

$$\theta_p = 2 \tan^{-1} d/2L$$

Where:

θ_p = total angle of projection;
d = the sum of the length of the lamp filament + the diameter of the limiting aperture; and
L = the distance from the lamp to the limiting aperture.

3.3.2.5 Calibration Error. Using neutral-density filters of known opacity, check the error between the actual response and the theoretical linear response of the smoke meter. This check is accomplished by first calibrating the smoke meter according to 3.3.1 and then inserting a series of three neutral-density filters of nominal opacity of 20, 50, and 75 percent in the smoke meter path length. Use filters calibrated within ± 2 percent. Care should be taken when inserting the filters to prevent stray light from affecting the meter. Make a total of five nonconsecutive readings for each filter. The maximum opacity error on any one reading shall be ± 3 percent.

3.3.2.6 Zero and Span Drift. Determine the zero and span drift by calibrating and operating the smoke generator in a normal manner over a 1-hour period. The drift is measured by checking the zero and span at the end of this period.

3.3.2.7 Response Time. Determine the response time by producing the series of five simulated 0 percent and 100 percent opacity values and observing the time required to reach stable response. Opacity values of 0 percent and 100 percent may be simulated by alternately switching the power to the light

source off and on while the smoke generator is not operating.

4. References

1. U.S. Environmental Protection Agency. Standards of Performance for New Stationary Sources; appendix A; Method 9 for Visual Determination of the Opacity of Emissions from Stationary Sources. Final Rule. 39 FR 219. Washington, DC. U.S. Government Printing Office. November 12, 1974.

2. Office of Air and Radiation. "Quality Assurance Guideline for Visible Emission Training Programs." EPA-600/S4-83-011. Quality Assurance Division. Research Triangle Park, N.C. May 1982.

3. "Method 9—Visible Determination of the Opacity of Emissions from Stationary Sources." February 1984. Quality Assurance Handbook for Air Pollution Measurement Systems. Volume III, section 3.1.2. Stationary Source Specific Methods. EPA-600-4-77-027b. August 1977. Office of Research and Development Publications, 26 West Clair Street, Cincinnati, OH.

4. Office of Air Quality Planning and Standards. "Opacity Error for Averaging and Nonaveraging Data Reduction and Reporting Techniques." Final Report—SR-1-6-85. Emission Measurement Branch, Research Triangle Park, N.C. June 1985.

5. The U.S. Environmental Protection Agency. Preparation, Adoption, and Submittal of State Implementation Plans. Methods for Measurement of PM₁₀ Emissions from Stationary Sources. Final Rule. **Federal Register**. Washington, DC. U.S. Government Printing Office. Volumes 55. No. 74. pps. 14246-14279. April 17, 1990.

(ii) Method 203C—Visual Determination of Opacity of Emissions From Stationary Sources for Instantaneous Limitation Regulations

Method 203C is virtually identical to EPA's Method 9 (40 CFR Part 60, Appendix A), except for the data-reduction procedures which have been modified for application to instantaneous limitation regulations. Additionally, Method 203C provides procedures for fugitive dust applications which were unavailable when Method 9 was promulgated. The certification procedures in section 3 are identical to Method 9. These certification procedures are provided in Method 203A as well, and, therefore, have not been repeated in this method.

1. Applicability and Principle

1.1 Applicability. This method is applicable for the determination of the opacity of emissions from sources of visible emissions for instantaneous limitations. An instantaneous limitation regulation is an opacity limit which is never to be exceeded.

1.2 Principle. The opacity of emissions from sources of visible emissions is determined visually by a qualified observer.

2. Procedures

The observer qualified in accordance with section 3 of this method shall use the following procedures for visually determining the opacity of emissions.

2.1 Procedures for Emissions From Stationary Sources. Same as 2.1, Method 203A.

2.1.1 Position. Same as 2.1.1, Method 203A.

2.1.2 Field Records. Same as 2.1.2, Method 203A.

2.1.3 Observations. Make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present.

Do not look continuously at the plume. Instead, observe the plume momentarily at the interval specified in the subject regulation. Unless otherwise specified, a 15-second observation interval is assumed.

2.1.3.1 Attached Steam Plumes. Same as 2.1.3.1, Method 203A.

2.1.3.2 Detached Steam Plumes. Same as 2.1.3.2, Method 203A.

2.2 Procedures for Fugitive Process Dust Emissions.

2.2.1 Position. Same as section 2.2.1, Method 203A.

2.2.2 Field Records. Same as section 2.2.2, Method 203A.

2.2.3 Observations.

2.2.3.1 Observations for a 15-second Observation Interval Regulations. Same as section 2.2.3, Method 203A.

2.2.3.2 Observations for a 5-second Observation Interval Regulations. Same as section 2.2.3, Method 203A, except, observe the plume momentarily at 5-second intervals.

2.3 Recording Observations. Record opacity observations to the nearest 5 percent at the prescribed interval on an observational record sheet. Each momentary observation recorded represents the average of emissions for the prescribed period. If a 5-second

observation period is not specified in the applicable regulation, a 15-second interval is assumed. The overall time for which recordings are made shall be of a length appropriate to the regulation for which opacity is being measured.

2.3.1 Recording Observations for 15-second Observation Interval Regulations. Record opacity observations to the nearest 5 percent at 15-second intervals on an observational record sheet. Each momentary observation recorded represents the average of emissions for a 15-second period.

2.3.2 Recording Observations for 5-second Observation Interval Regulations. Record opacity observations to the nearest 5 percent at 5-second intervals on an observational record sheet. Each momentary observation recorded represents the average of emissions for 5-second period.

2.4 Data Reduction for Instantaneous Limitation Regulations. For an instantaneous limitation regulation, a 1-minute averaging time will be used. Divide the observations recorded on the record sheet into sets of consecutive observations. A set is composed of the consecutive observations made in 1 minute. Sets need not be consecutive in time, and in no case shall two sets overlap. Reduce opacity observations by dividing the sum of all observations recorded in a set by the number of observations recorded in each set.

2.4.1 Data Reduction for 15-second Observation Intervals. Reduce opacity observations by averaging four consecutive observations recorded at 15-second intervals. Divide the observations recorded on the record sheet into sets of four consecutive observations. For each set of four observations, calculate the average by summing the opacity of the four observations and dividing this sum by four.

2.4.2 Data Reduction for 5-second Observation Intervals. Reduce opacity observations by averaging 12 consecutive observations recorded at 5-second intervals. Divide the observations recorded on the record sheet into sets of 12 consecutive observations. For each set of 12 observations, calculate the average by summing the opacity of the 12 observations and dividing this sum by 12.

3. Qualification and Test

Same as section 3, Method 203A.

TABLE A.—SMOKE METER DESIGN AND PERFORMANCE SPECIFICATIONS

Parameter	Specification
a. Light Source	Incandescent lamp operated at nominal rated voltage.
b. Spectral response of photocell ...	Photopic (daylight spectral response of the human eye—Reference 4.1 of section 4.)
c. Angle of view	15 degrees maximum total angle
d. Angle of projection	15 degrees maximum total angle.
e. Calibration error	±3 percent opacity, maximum.
f. Zero and span drift	±1 percent opacity, 30 minutes.
g. Response time	≤5 seconds.

B. Silt Content

Conduct the following test method to determine the silt loading and silt content of unpaved road and unpaved parking lot surfaces.

(i) Collect a sample of loose surface material from an area 30 cm by 30 cm (1 foot by 1 foot) in size to a depth of approximately 1 cm or until a hard subsurface is reached, whichever occurs first. Use a brush and

dustpan or other similar device. Collect the sample from a routinely-traveled portion of the surface which receives a preponderance of vehicle traffic, i.e. as commonly evidenced by tire tracks. Conduct sweeping slowly so

that fine surface material is not released into the air. Only collect samples from surfaces that are not wet or damp due to precipitation or dew.

(ii) Obtain a shallow, lightweight container and a scale with readings in half ounce increments or less. Place the scale on a level surface and zero it with the weight of the empty container. Transfer the entire sample collected to the container, minimizing escape of particles into the air. Weigh the sample and record its weight.

(iii) Obtain and stack a set of sieves with the following openings: 4 mm, 2 mm, 1 mm, 0.5 mm, and 0.25 mm. Place the sieves in order according to size openings beginning with the largest size opening at the top. Place a collector pan underneath the bottom (0.25 mm) sieve. Pour the entire sample into the top sieve, minimizing escape of particles into the air by positioning the sieve/collector pan unit in an enclosed or wind barricaded area. Cover the sieve/collector pan unit with a lid. Shake the covered sieve/collector pan unit vigorously for a period of at least one (1) minute in both the horizontal and vertical planes. Remove the lid from the sieve/collector pan unit and disassemble each sieve separately beginning with the largest sieve. As each sieve is removed, examine it for a complete separation of material in order to ensure that all material has been sifted to the finest sieve through which it can pass. If not, reassemble and cover the sieve/collector pan unit and shake it for period of at least one (1) minute. After disassembling the sieve/collector pan unit, transfer the material which is captured in the collector pan into the lightweight container originally used to collect and weigh the sample. Minimize escape of particles into the air when transferring the material into the container. Weigh the container with the material from the collector pan and record its weight. Multiply the resulting weight by 0.38 if the source is an unpaved road or by 0.55 if the source is an unpaved parking lot to estimate silt loading. Divide by the total sample weight and multiply by 100 to arrive at the percent silt content.

(iv) As an alternative to conducting the procedure described above in section I.B.(ii) and section I.B.(iii) of this appendix, the sample (collected according to section I.B.(i)

of this appendix) may be taken to an independent testing laboratory or engineering facility for silt loading (e.g. net weight < 200 mesh) and silt content analysis according to the following test method from "Procedures For Laboratory Analysis Of Surface/Bulk Dust Loading Samples", (Fifth Edition, Volume I, Appendix C.2.3 "Silt Analysis", 1995), AP-42, Office of Air Quality Planning & Standards, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina.

1. Objective—Several open dust emission factors have been found to be correlated with the silt content (< 200 mesh) of the material being disturbed. The basic procedure for silt content determination is mechanical, dry sieving. For sources other than paved roads, the same sample which was oven-dried to determine moisture content is then mechanically sieved.

2.1 Procedure—Select the appropriate 20-cm (8-in.) diameter, 5-cm (2-in.) deep sieve sizes.

Recommended U. S. Standard Series sizes are 3/8 in., No. 4, No. 40, No. 100, No. 140, No. 200, and a pan. Comparable Tyler Series sizes can also be used. The No. 20 and the No. 200 are mandatory. The others can be varied if the recommended sieves are not available, or if buildup on 1 particulate sieve during sieving indicates that an intermediate sieve should be inserted.

2.2 Obtain a mechanical sieving device, such as a vibratory shaker or a Roto-Tap[®] 1 without the tapping function.

2.3 Clean the sieves with compressed air and/or a soft brush. Any material lodged in the sieve openings or adhering to the sides of the sieve should be removed, without handling the screen roughly, if possible.

2.4 Obtain a scale (capacity of at least 1600 grams [g] or 3.5 lb) and record make, capacity, smallest division, date of last calibration, and accuracy. (See Figure A)

2.5 Weigh the sieves and pan to determine tare weights. Check the zero before every weighing. Record the weights.

2.6 After nesting the sieves in decreasing order of size, and with pan at the bottom, dump dried laboratory sample (preferably immediately after moisture analysis) into the top sieve. The sample should weigh between ~ 400 and 1600 g (~ 0.9 and 3.5 lb). This

amount will vary for finely textured materials, and 100 to 300 g may be sufficient when 90% of the sample passes a No. 8 (2.36 mm) sieve. Brush any fine material adhering to the sides of the container into the top sieve and cover the top sieve with a special lid normally purchased with the pan.

2.7 Place nested sieves into the mechanical sieving device and sieve for 10 minutes (min). Remove pan containing minus No. 200 and weigh. Repeat the sieving at 10-min intervals until the difference between 2 successive pan sample weighings (with the pan tare weight subtracted) is less than 3.0%. Do not sieve longer than 40 min.

2.8 Weigh each sieve and its contents and record the weight. Check the zero before every weighing.

2.9 Collect the laboratory sample. Place the sample in a separate container if further analysis is expected.

2.10 Calculate the percent of mass less than the 200 mesh screen (75 micrometers [μm]). This is the silt content.

Figure A. Example silt analysis form.

Silt Analysis

Dated: _____

By: _____

Sample No: _____ Sample Weight (after drying) _____

Material: _____

Pan + Sample: _____

Pan: _____

Split Sample Balance: _____

Dry Sample: _____

Make _____ Capacity: _____

Smallest Division _____

Final Weight _____

% Silt = [Net Weight <200 Mesh] ÷ [Total Net Weight × 100] = _____ %

SIEVING

Time: Start:	Weight (Pan Only)
Initial (Tare):	
10 min:	
20 min:	
30 min:	
40 min:	

Screen	Tare weight (screen)	Final weight (screen + sample)	Net weight (sample)	%
3/8 in.				
4 mesh.				
10 mesh.				
20 mesh.				
40 mesh.				
100 mesh.				
140 mesh.				
200 mesh.				
Pan.				

(v) The silt loading and percent silt content for any given unpaved road surface or unpaved parking lot surface shall be based on the average of at least three (3) samples that are representative of routinely-traveled portions of the road or parking lot surface. In

order to simplify the sieve test procedures in section I.B.(ii) and section I.B.(iii) of this appendix, the three samples may be combined as long as all material is sifted to the finest sieve through which it can pass, each sample weighs within 1 ounce of the

other two samples, and the combined weight of the samples and unit area from which they were collected is calculated and recorded accurately.

¹ CFR part 60, App. A, Meth. 5, 2.1.2, footnote 2.

II. Vacant Lots

The following test methods shall be used for determining whether a vacant lot, or portion thereof, has a stabilized surface.

Should a disturbed vacant lot contain more than one type of disturbance, soil, vegetation or other characteristics which are visibly distinguishable, test each representative surface for stability separately in random areas according to the test methods in section II. of this appendix and include or eliminate it from the total size assessment of disturbed surface area(s) depending upon test method results. A vacant lot surface shall be considered stabilized if any of the test methods in section II. of this appendix indicate that the surface is stabilized such that the conditions defined in paragraph (b)(16)(ii) of this section are met:

1. Visible Crust Determination

(i) Where a visible crust exists, drop a steel ball with a diameter of 15.9 millimeters (0.625 inches) and a mass ranging from 16 to 17 grams from a distance of 30 centimeters (one foot) directly above (at a 90 degree angle perpendicular to) the soil surface. If blowsand is present, clear the blowsand from the surfaces on which the visible crust test method is conducted. Blowsand is defined as thin deposits of loose uncombined grains covering less than 50 percent of a vacant lot which have not originated from the representative vacant lot surface being tested. If material covers a visible crust which is not blowsand, apply the test method in section II.2 of this appendix to the loose material to determine whether the surface is stabilized.

(ii) A sufficient crust is defined under the following conditions: once a ball has been dropped according to section II.1.(i) of this appendix, the ball does not sink into the surface so that it is partially or fully surrounded by loose grains and, upon removing the ball, the surface upon which it fell has not been pulverized so that loose grains are visible.

(iii) Conduct three tests, dropping the ball once per test, within a survey area the size of one foot by one foot. The survey area shall be considered sufficiently crusted if at least two out of three tests meet the definition in section II.1.(ii) of this appendix. Select at least two other survey areas that represent the disturbed surface area and repeat this procedure. Whether a sufficient crust covers the disturbed surface area shall be based on a determination that all of the survey areas tested are sufficiently crusted.

(iv) At any given site, the existence of a sufficient crust covering one portion of a disturbed surface may not represent the existence or protectiveness of a crust on another disturbed surface(s). Repeat the visible crust test as often as necessary on each representative disturbed surface area for an accurate assessment of all disturbed surfaces at a given site.

2. Determination of Threshold Friction Velocity (TFV)

For disturbed surface areas that are not crusted or vegetated, determine threshold friction velocity (TFV) according to the following sieving field procedure (based on a 1952 laboratory procedure published by W. S. Chepil).

(i) Obtain and stack a set of sieves with the following openings: 4 millimeters (mm), 2 mm, 1 mm, 0.5 mm, and 0.25 mm. Place the sieves in order according to size openings beginning with the largest size opening at the top. Place a collector pan underneath the bottom (0.25 mm) sieve. Collect a sample of loose surface material from an area at least 30 cm by 30 cm in size to a depth of approximately 1 cm using a brush and dustpan or other similar device. Only collect soil samples from dry surfaces (i.e. when the surface is not damp to the touch). Remove any rocks larger than 1 cm in diameter from the sample. Pour the sample into the top sieve (4 mm opening) and cover the sieve/collector pan unit with a lid. Minimize escape of particles into the air when transferring surface soil into the sieve/collector pan unit. Move the covered sieve/collector pan unit by hand using a broad, circular arm motion in the horizontal plane. Complete twenty circular arm movements, ten clockwise and ten counterclockwise, at a speed just necessary to achieve some relative horizontal motion between the sieves and the particles. Remove the lid from the sieve/collector pan unit and disassemble each sieve separately beginning with the largest sieve. As each sieve is removed, examine it for loose particles. If loose particles have not been sifted to the finest sieve through which they can pass, reassemble and cover the sieve/collector pan unit and gently rotate it an additional ten times. After disassembling the sieve/collector pan unit, slightly tilt and gently tap each sieve and the collector pan so that material aligns along one side. In doing so, minimize escape of particles into the air. Line up the sieves and collector pan in a row and visibly inspect the relative quantities of catch in order to determine which sieve (or whether the collector pan) contains the greatest volume of material. If a visual determination of relative volumes of catch among sieves is difficult, use a graduated cylinder to measure the volume. Estimate TFV for the sieve catch with the greatest volume using Table 1, which provides a correlation between sieve opening size and TFV.

TABLE 1 (METRIC UNITS).—DETERMINATION OF THRESHOLD FRICTION VELOCITY (TFV)

Tyler Sieve No.	Opening (mm)	TFV (cm/s)
5	4	>100
10	2	100
18	1	76
35	0.5	58
60	0.25	43
Collector Pan	30

Collect at least three (3) soil samples which are representative of the disturbed surface area, repeat the above TFV test method for each sample and average the resulting TFVs together to determine the TFV uncorrected for non-erodible elements.

(ii) Non-erodible elements are distinct elements on the disturbed surface area that are larger than one (1) cm in diameter, remain firmly in place during a wind episode

and inhibit soil loss by consuming part of the shear stress of the wind. Non-erodible elements include stones and bulk surface material but do not include flat or standing vegetation. For surfaces with non-erodible elements, determine corrections to the TFV by identifying the fraction of the survey area, as viewed from directly overhead, that is occupied by non-erodible elements using the following procedure. Select a survey area of one (1) meter by 1 meter. Where many non-erodible elements lie on the disturbed surface area, separate them into groups according to size. For each group, calculate the overhead area for the non-erodible elements according to the following equations:

$$(\text{Average length}) \times (\text{Average width}) = \text{Average Dimensions} \quad \text{Eq. 1}$$

$$(\text{Average Dimensions}) \times (\text{Number of Elements}) = \text{Overhead Area} \quad \text{Eq. 2}$$

$$\text{Overhead Area of Group 1} + \text{Overhead Area of Group 2 (etc.)} = \text{Total Overhead Area} \quad \text{Eq. 3}$$

$$\text{Total Overhead Area} / 2 = \text{Total Frontal Area} \quad \text{Eq. 4}$$

$$(\text{Total Frontal Area} / \text{Survey Area}) \times 100 = \text{Percent Cover of Non-erodible Elements} \quad \text{Eq. 5}$$

(Ensure consistent units of measurement, e.g. square meters or square inches when calculating percent cover.)

Repeat this procedure on an additional two (2) distinct survey areas representing a disturbed surface and average the results. Use Table 2 to identify the correction factor for the percent cover of non-erodible elements. Multiply the TFV by the corresponding correction factor to calculate the TFV corrected for non-erodible elements.

TABLE 2.—CORRECTION FACTORS FOR THRESHOLD FRICTION VELOCITY

Percent cover of non-erodible elements	Correction factor
≥10%	5
≥5% and < 10%	3
< 5% and ≥ 1%	2
< 1%	None.

3. Determination of Flat Vegetation Cover

Flat vegetation includes attached (rooted) vegetation or unattached vegetative debris lying on the surface with a predominant horizontal orientation that is not subject to movement by wind. Flat vegetation which is dead but firmly attached shall be considered equally protective as live vegetation. Stones or other aggregate larger than one centimeter in diameter shall be considered protective cover in the course of conducting the line transect method. Where flat vegetation exists, conduct the following line transect method.

(i) Stretch a one-hundred (100) foot measuring tape across a disturbed surface area. Firmly anchor both ends of the measuring tape into the surface using a tool such as a screwdriver with the tape stretched taut and close to the soil surface. If vegetation exists in regular rows, place the tape diagonally (at approximately a 45 degree angle) away from a parallel or perpendicular position to the vegetated rows. Pinpoint an area the size of a 3/32 inch diameter brazing

rod or wooden dowel centered above each one-foot interval mark along one edge of the tape. Count the number of times that flat vegetation lies directly underneath the pinpointed area at one-foot intervals. Consistently observe the underlying surface from a 90 degree angle directly above each pinpoint on one side of the tape. Do not count the underlying surface as vegetated if any portion of the pinpoint extends beyond the edge of the vegetation underneath in any direction. If clumps of vegetation or vegetative debris lie underneath the pinpointed area, count the surface as vegetated unless bare soil is visible directly below the pinpointed area. When 100 observations have been made, add together the number of times a surface was counted as vegetated. This total represents the percent of flat vegetation cover (e.g. if 35 positive counts were made, then vegetation cover is 35 percent). If the disturbed surface area is too small for 100 observations, make as many observations as possible. Then multiply the count of vegetated surface areas by the appropriate conversion factor to obtain percent cover. For example, if vegetation was counted 20 times within a total of 50 observations, divide 20 by 50 and multiply by 100 to obtain a flat vegetation cover of 40 percent.

(ii) Conduct the above line transect test method an additional two (2) times on areas representative of the disturbed surface and average results.

4. Determination of Standing Vegetation Cover

Standing vegetation includes vegetation that is attached (rooted) with a predominant vertical orientation. Standing vegetation which is dead but firmly rooted shall be considered equally protective as live vegetation. Conduct the following standing vegetation test method to determine if 30 percent cover or more exists. If the resulting percent cover is less than 30 percent but equal to or greater than 10 percent, then conduct the Threshold Friction Velocity test in section II.2 of this appendix in order to determine whether the disturbed surface area is stabilized according to paragraph (b)(16)(ii)(E) of this section.

(i) For standing vegetation that consists of large, separate vegetative structures (for example, shrubs and sagebrush), select a survey area representing the disturbed

surface that is the shape of a square with sides equal to at least ten (10) times the average height of the vegetative structures. For smaller standing vegetation, select a survey area of three (3) feet by 3 feet.

(ii) Count the number of standing vegetative structures within the survey area. Count vegetation which grows in clumps as a single unit. Where different types of vegetation exists and/or vegetation of different height and width exists, separate the vegetative structures with similar dimensions into groups. Count the number of vegetative structures in each group within the survey area. Select an individual structure within each group that represents the average height and width of the vegetation in the group. If the structure is dense (i.e. when looking at it vertically from base to top there is little or zero open air space within its perimeter), calculate and record its frontal silhouette area according to Equation 6 of this appendix. Also use Equation 6 if the survey area is larger than nine square feet, estimating the average height and width of the vegetation. Otherwise, use the procedure in section II.4.(iii) of this appendix to calculate the Frontal Silhouette Area. Then calculate the percent cover of standing vegetation according to Equations 7, 8 and 9 of this appendix. (Ensure consistent units of measurement, e.g. square feet or square inches when calculating percent cover.)

(iii) Vegetative Density Factor. Cut a single, representative piece of vegetation (or consolidated vegetative structure) to within 1 cm of surface soil. Using a white paper grid or transparent grid over white paper, lay the vegetation flat on top of the grid (but do not apply pressure to flatten the structure). Grid boxes of one inch or one half inch squares are sufficient for most vegetation when conducting this procedure. Using a marker or pencil, outline the shape of the vegetation along its outer perimeter according to Figure B, C or D of this appendix, as appropriate. (Note: Figure C differs from Figure D primarily in that the width of vegetation in Figure C is narrow at its base and gradually broadens to its tallest height. In Figure D, the width of the vegetation generally becomes narrower from its midpoint to its tallest height.) Remove the vegetation and count and record the total number of gridline intersections within the outlined area, but do not count gridline intersections that connect

with the outlined shape. There must be at least 10 gridline intersections within the outlined area and preferably more than 20, otherwise, use smaller grid boxes. Draw small circles (no greater than a 3/32 inch diameter) at each gridline intersection counted within the outlined area. Replace the vegetation on the grid within its outlined shape. From a distance of approximately two feet directly above the grid, observe each circled gridline intersection. Count and record the number of circled gridline intersections that are not covered by any piece of the vegetation. To calculate percent vegetative density, use Equations 10 and 11 of this appendix. If percent vegetative density is equal to or greater than 30, use the equation (Eq. 14, 15 or 16) that matches the outline used to trace the vegetation (Figure B, C or D) to calculate its Frontal Silhouette Area. If percent vegetative density is less than 30, use Equations 12 and 13 of this appendix to calculate the Frontal Silhouette Area.

(iv) Within a disturbed surface area that contains multiple types of vegetation with each vegetation type uniformly distributed, results of the percent cover associated with the individual vegetation types may be added together.

(v) Repeat this procedure on an additional two (2) distinct survey areas representing the disturbed surface and average the results.

Height \times Width = Frontal Silhouette Area

Eq. 6

(Frontal Silhouette Area of Individual Vegetative Structure) \times Number of Vegetation Structures Per Group = Group Frontal Silhouette Area of Group Eq. 7
Frontal Silhouette Area of Group 1 + Frontal Silhouette Area of Group 2 (etc.) = Total Frontal Silhouette Area Eq. 8

(Total Frontal Silhouette Area/Survey Area) \times 100 = Percent Cover of Standing Vegetation Eq. 9

[(Number of circled gridlines within the outlined area counted that are not covered by vegetation / Total number of gridline intersections within the outlined area) \times 100] = Percent Open Space Eq. 10

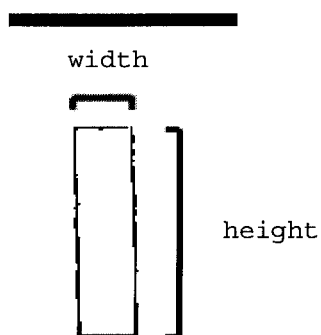
100 = Percent Open Space = Percent Vegetative Density Eq. 11

Percent Vegetative Density/100 = Vegetative Density Eq. 12

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$$[\text{Max. Height} \times \text{Width}] * \left[\frac{\text{Vegetative Density}}{0.4} \right]^{0.5} = \text{Frontal Silhouette Area} \quad \text{Eq. 13}$$

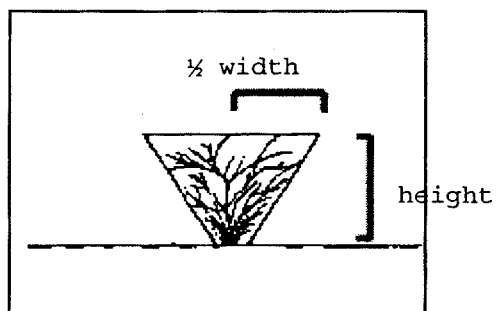
Figure B



Cylinder:

Frontal Silhouette Area =
maximum (max.) height X max. width
Eq. 14

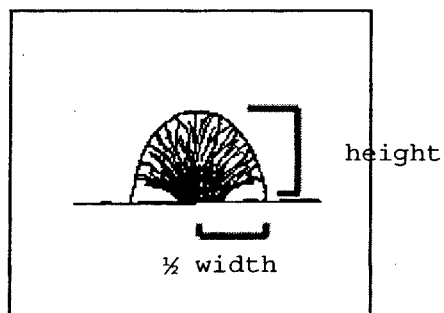
Figure C



Inverted Cone:

Frontal Silhouette Area =
max. height X 1/2 max. width
Eq. 15

Figure D



Upper Sphere:

Frontal Silhouette Area =
(3.14 X max. height X 1/2 max.
width) / 2
Eq. 16

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III. Alternative Test Methods

Alternative test methods may be used upon obtaining the written approval of the EPA.

[FR Doc. 99-32760 Filed 12-20-99; 8:45 am]

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DEPARTMENT OF HEALTH AND HUMAN SERVICES**Office of Inspector General****42 CFR Part 1001**

RIN 0991-AA91

Federal Health Care Program: Fraud and Abuse; Statutory Exception to the Anti-Kickback Statute for Shared Risk Arrangements; Correction

AGENCY: Office of Inspector General (OIG), HHS.

ACTION: Interim final rule with comment period; correction amendment.

SUMMARY: This document contains corrections to the interim final regulations which were published in the **Federal Register** on Friday, November 19, 1999 (64 FR 63504). These regulations established two new safe harbors from the anti-kickback statute (section 1128B(b) of the Social Security Act) to provide protection for certain managed care arrangements. A number of inadvertent errors appeared in both the preamble and in the text of the regulations that warrant clarification or revision. As a result, we are setting forth these revisions in order to assure the technical correctness of that document and the regulations.

EFFECTIVE DATE: December 21, 1999.

FOR FURTHER INFORMATION CONTACT: Joel Schaer, (202) 619-0089, OIG Regulations Officer.

SUPPLEMENTARY INFORMATION: The HHS Office of Inspector General (OIG) issued interim final regulations on November 19, 1999 (64 FR 63504) that set forth two new safe harbors from the anti-kickback statute to provide protection for certain managed care arrangements. In that interim final rule, a number of inadvertent errors appeared in the preamble and in 42 CFR part 1001 which are now being corrected.

In the preamble on page 63505, second column, an extra bullet point was inserted before the words "Underwriters/National Association of Life Underwriters." As corrected, the eleventh bullet point appearing in column two should read as "Independent Insurance Agents of America/National Association of Health

Underwriters/National Association of Life Underwriters."

On page 63507 of the preamble, in the third column, second paragraph, the reference to "paragraph (1)(i)(A)(IV)" should be corrected to read as "paragraph (1)(i)(A)(4)." Similarly, in the third paragraph on this page, the reference to "§ 1001.952(t)(1)(i)(A)(IV)" should be corrected to read as "§ 1001.952(t)(i)(A)(4)."

In the first column on page 63508, in the second full paragraph, line 15, the words "or cost" should be inserted after the words "programs on a fee-for-service."

On page 63511, in the first column, the first line of the first full paragraph, the regulatory reference "§ 1001.965(u)(2)(i)(B)" should be corrected to read as "§ 1001.952(u)(1)(i)(B)." In addition, in the third full paragraph in column one on the same page, on the fourth and fifth lines, the parenthetical phrase "(paragraphs (u)(1)(i)(C)(I)-(III))" is revised to read as "(paragraphs (u)(1)(i)(C)(1)-(3))." Lastly, in the last paragraph in column one, the parenthetical reference "(paragraph (u)(1)(i)(C)(IV))" should be corrected to read as "(paragraph (u)(1)(i)(C)(4))."

In addition, we are correcting the regulatory text that was set forth in § 1001.952(t). In the regulations text on page 63513, § 1001.952(t)(1)(i)(B) is amended by adding the words "or cost" after the words "fee-for-service." In addition, in § 1001.952(t)(1)(ii)(B), we are (1) adding the words "for or" after the phrase "receives remuneration in return" and (2) are adding the words "or cost" after the words "fee-for-service." These words were inadvertent omitted in the November 19, 1999 interim final rule.

List of Subjects in 42 CFR Part 1001

Administrative practice and procedure, Fraud, Grant programs—health, Health facilities, Health professions, Maternal and child health, Medicaid, Medicare, Social Security.

Accordingly, 42 CFR part 1001 is corrected by making the following correcting amendments:

PART 1001—PROGRAM INTEGRITY—MEDICARE AND STATE HEALTH CARE PROGRAMS

1. The authority citation for part 1001 continues to read as follows:

Authority: 42 U.S.C. 1302, 1320a-7, 1320a-7b, 1395u(j), 1395y(d), 1395y(e), 1395cc(b)(2)(D), (E) and (F), and 1395hh; and sec. 2455, Pub. L. 103-355, 108 Stat. 3327 (31 U.S.C. 6101 note).

2. Section 1001.952 is amended by republishing the introductory text, and by revising paragraphs (t)(1)(i)(B) and (t)(1)(ii)(B) to read as follows:

§ 1001.952 Exceptions.

The following payment practices shall not be treated as a criminal offense under section 1128B of the Act and shall not serve as the basis for an exclusion:

* * * * *

(t) *Price reductions offered to eligible managed care organizations.* * * *

(1) * * *

(i) * * *

(B) In establishing the terms of the agreement, neither party gives or receives remuneration in return for or to induce the provision or acceptance of business (other than business covered by the agreement) for which payment may be made in whole or in part by a Federal health care program on a fee-for-service or cost basis.

* * * * *

(ii) * * *

(B) In establishing the terms of the agreement, neither party gives or receives remuneration in return for or to induce the provision or acceptance of business (other than business covered by the agreement) for which payment may be made in whole or in part by a Federal health care program on a fee-for-service or cost basis.

* * * * *

Dated: December 14, 1999.

Joel Schaer,

OIG Regulations Officer.

[FR Doc. 99-32940 Filed 12-20-99; 8:45 am]

BILLING CODE 4152-01-P

FEDERAL EMERGENCY MANAGEMENT AGENCY**44 CFR Part 64****[Docket No. FEMA-7725]****Suspension of Community Eligibility**

AGENCY: Federal Emergency Management Agency, FEMA.

ACTION: Final rule.

SUMMARY: This rule identifies communities, where the sale of flood insurance has been authorized under the National Flood Insurance Program (NFIP), that are suspended on the effective dates listed within this rule because of noncompliance with the floodplain management requirements of the program. If the Federal Emergency Management Agency (FEMA) receives documentation that the community has adopted the required floodplain