a. *MWC Acid Gases.* The MACT floor levels and selected MACT emission limits for MWC acid gases are the same as proposed.

b. MWC Metals. Based on comments and data received since proposal, the EPA reassessed the achievable performance levels for PM, Cd, and Pb by SD/FF systems. Based on this reassessment of available data, the selected PM, Cd, and Pb MACT emission limits were revised. For both large and small plants, the PM MACT floor and selected MACT limit were revised to 24 mg/dscm (proposal was 15 mg/dscm). The Cd MACT floor and selected MACT limit were revised to 0.020 mg/dscm (proposal was 0.010 mg/ dscm). The Pb MACT floor and selected MACT limit were revised to 0.20 mg/ dscm (proposal was 0.10 mg/dscm). The selected MACT limits for all three pollutants were revised because, based on available data, emission levels more stringent than these levels are not considered to be continuously achievable.

The final MACT limits for Hg emissions for large and small plants remain at the same levels as proposed (0.080 mg/dscm or an 85 percent reduction in Hg emissions); however, the MACT floor level was revised. At proposal, the MACT floor for Hg was based on use of an SD/FF system combined with GCP. Carbon injection was not commercially operational at any MWC. At proposal, MACT for Hg was based on use of an SD/FF system in combination with carbon injection. This MACT selection was based on evaluation of emission reductions, costs, and other factors, as described in the proposal preamble (59 FR 48198, September 20, 1994). Several commenters questioned the selection of an Hg MACT limit based on carbon injection when carbon injection was not commercially operated. Since proposal, data have become available for 12 new MWC units initiating operation using carbon injection commercially, and all were meeting the proposed Hg limits. Since carbon injection is now in commercial operation, the EPA revised the final MACT floor for Hg to be based on SD/FF in combination with carbon injection and GCP.

c. *MWC Organics.* The final emission limits for dioxins/furans for new MWC's remain at the same level as proposed; however, the technology basis for the floor level of control has been changed. As discussed in section IV.B.2.b regarding MWC metals (Hg), the EPA reviewed new data received since proposal and concluded that SD/FF combined with GCP and carbon injection is the best emission control technology being used by MWC's for Hg and dioxin/furan control, and is, therefore, the basis of the final MACT floor. The data gathered prior to proposal as well as data for new units operating with these controls show that a dioxin/furan level of 13 ng/dscm is achievable. The final MACT emission limit for dioxins/furans for new units at both large and small plants is equal to the MACT floor and remains at 13 ng/ dscm (total mass basis).

The format of the final dioxin/furan emission limit changed from the proposed format. The EPA proposed a dual format for the dioxin/furan emission limit (total or TEQ) and requested comments on the use of this dual format. No commenters agreed with the dual format as proposed. The EPA has selected total mass dioxin/ furan emissions in the final standards. The TEQ format is not used. There is no indication that TEQ's would be a better measure of emissions control performance than total dioxins/furans. Furthermore, most test data on which the standards are based were expressed as total dioxins/furans. Additionally, because there have been different methods for calculating TEQ over time and the ratio of total dioxins/furans to TEQ dioxins/furans varies among MWC's, there would be additional uncertainty in using a TEQ data base. Refer to the promulgation preamble (56 FR 5504) for the 1991 subpart Ea standards for additional discussion.

Although not part of the dioxin/furan limit, the limit of 13 ng/dscm total mass is equal to about 0.1 to 0.3 ng/dscm TEQ.

In addition to the final dioxin/furan limit of 13 ng/dscm, a provision has been added to the final standards allowing less frequent dioxin/furan testing for new plants achieving dioxin/ furan emission levels lower than 7 ng/ dscm. Data for new MWC's using SD/ FF/SNCR/carbon injection technology suggest this is a realistic goal for many new MWC's and will encourage MWC's to optimize performance of pollution control systems. Refer to section IV.B.7 for a description of the alternative dioxin/furan testing schedule.

d. *Nitrogen Oxides.* As explained at proposal (59 FR 48198, September 20, 1994), the combination of SD/FF, GCP, and SNCR was the basis of the new source MACT floor for NO_X. These technologies remain the basis for the final NO_X MACT floor. Since proposal, the EPA has obtained additional NO_X data showing that large MWC plants equipped with SNCR can continuously achieve an emission level of 150 ppmv over a 24-hour averaging period. The

new data were obtained from the same plant that was the basis of the proposed NO_X emission level of 180 ppmv. The new data are representative of what NO_x emission level can be achieved after a plant has had a period of time to adjust to operation with the SNCR system. Applications of SNCR typically require some site-specific fine-tuning to achieve optimum performance levels. Based on the revised data, a two-phase standard is being adopted. The final NO_x standard for MWC's at large plants allows time to "fine-tune" the SNCR system. The final standard for MWC's at large plants is 180 ppmv (24-hour averaging period) for the first year of operation, and 150 ppmv (24-hour averaging period) thereafter.

The final standards do not require NO_x control for MWC's at small plants.

e. MWC Fugitive Ash Emissions. The proposed fugitive ash emission limit allowed no visible emissions from ash handling and transfer points. Several commenters objected to the proposed level of no visible emissions. The commenters were concerned that even where the best ash management practices such as wetting the ash or enclosing transfer systems, there may be short periods of time when visible emissions are observed, such as during maintenance. The proposal was based on about 16 hours of method 22 visible emissions data for ash handling practices at two MWC plants and observations (not using method 22) at two additional MWC plants. Since proposal, the EPA has reviewed visible emission data from other industries that use similar transfer systems. Based on comments received and the review of additional data, the final fugitive ash emission limit was revised to limit visible emissions to no more than 5 percent of the time.

As part of the final fugitive ash emission requirements, an exemption has been provided during maintenance and repair activities, because these necessary activities may require opening of an enclosure that could generate short-term visible emissions.

3. Good Combustion Practices

The proposed standards included CO limits for nine categories of combustor technologies, including, among others, RDF stoker combustors and coal/RDF mixed fuel-fired combustors. Commenters requested clarification on which CO limit applies to a stoker unit that is designed to combust coal and RDF but only combusts RDF. Under the final standards, a spreader stoker unit burning RDF only or cofiring RDF with coal would be subject to the proposed RDF stoker CO limit. To clarify this