

than control technologies to reduce HAP emissions to set a floor, we were unable to set a MACT floor based on emission reduction measures.

We examined two regulatory alternatives for storage tanks with capacities greater than or equal to 10,000 gal at existing sources, both of which would require the use of either a floating roof or venting to a control device that reduces emissions by 90 percent. The first alternative would apply to storage tanks with capacities greater than or equal to 20,000 gal that store material with a HAP partial pressure greater than or equal to 1.9 psia. The second alternative uses a size cutoff of 10,000 gal with the same HAP partial pressure cutoff. We set the standard at the level of the first regulatory alternative because, considering the level of emission reduction achieved, the total impacts of that alternative were determined to be reasonable, whereas the total impacts of the second alternative were determined to be unreasonable. Specifically, the first regulatory alternative reduces HAP emissions by 2.5 Mg/yr at an incremental cost of \$2,700 to \$4,900 per Mg of HAP controlled, depending on the characteristics of the tank. In addition, because this option can be achieved by using floating roofs, there are no non-air quality health or environmental impacts, including wastewater impacts and solid waste impacts, and no energy impacts. The second alternative reduces emissions by 7.5 Mg/yr at an incremental cost of at least \$17,000 per Mg of HAP controlled, depending on the characteristics of the tank. The second regulatory alternative also has no non-air quality health or environmental impacts, including wastewater impacts and solid waste impacts, and no energy impacts for tanks that can be controlled with floating roofs. However, horizontal tanks (all of which in our database are smaller than 20,000 gal) must be controlled with an add-on control device such as a condenser. The incremental electricity consumption to run the condensers and fuel energy consumption to generate electricity would be 31,000 kwh/yr and 300 million Btu/yr, respectively. Total CO, NO_x, and SO₂ emissions from combustion of additional fuel to generate the electricity would be about 0.26 Mg/yr. There would be no wastewater, solid waste, or other non-air quality health and environmental impacts.

The new source MACT floor for storage tanks is based on the control achieved by the best-performing source. The proposed floor consisted of 90 percent control of emissions from

storage tanks with capacities greater than or equal to 20,000 gal that store material with a HAP partial pressure greater than or equal to 1.5 psia and 90 percent control of emissions from storage tanks with capacities greater than or equal to 25,000 gal that store material with a HAP partial pressure greater than or equal to 0.1 psia. However, another facility reduces emissions by 80 percent from storage tanks with capacities of 10,000 gal that store material with a HAP vapor pressure of 0.02 psia. Upon further consideration since proposal, we determined that we cannot exclude these tanks from the floor analysis simply because the HAP vapor pressure is extremely low. Thus, the revised new source MACT floor for storage tanks consists of venting through a closed-vent system to a control device that reduces HAP emissions by at least 80 percent for storage tanks with a capacity greater than or equal to 10,000 gal that store material with a HAP partial pressure greater than or equal to 0.02 psia; the new source floor also consists of venting emissions through a closed-vent system to a control device that reduces HAP emissions by at least 90 percent for storage tanks with either capacities greater than or equal to 20,000 gal that store material with a HAP partial pressure greater than or equal to 0.1 psia or capacities greater than or equal to 25,000 gal that store material with a HAP partial pressure greater than or equal to 1.5 psia. Each of these new source standards reflects, or is equivalent to, the performance of the best-controlled source because the control levels for existing tanks increase with both increasing tank capacity and increasing HAP partial pressure.

The revised emission limits for storage tanks at new sources are based on the MACT floor because the MACT floor is more stringent than the second regulatory alternative for existing sources, which we determined to have unreasonable impacts.

E. Standards for Wastewater

Comment: Four commenters disagreed with our determination that the MACT floor for wastewater is HON-equivalent management and treatment procedures for wastewater that contains more than 4,000 ppmw of HAP listed in Table 9 to 40 CFR part 63, subpart G. One commenter stated that the floor should be recalculated to be based on the actual performance of the best sources, not simply set at the median concentration of controlled streams. According to one commenter, the floor should be no control because no add-on control is used by more than 6 percent

of all wastewater streams. One commenter indicated that we have obtained accurate information on 30 wastewater streams, and all of the data must be used in setting the floor, including data for streams that contain less than 1,000 ppmw of HAP and streams that contain only inorganic HAP. Further, the commenter stated that flow is needed as well as concentration to determine the best performers. Flow is needed to convert concentrations to mass loadings, and it, or total volume, has been used to determine applicability in past rules and is the determining factor in disposal costs. According to the commenter, our assumptions that coating manufacturing facilities are only small quantity generators, and only the concentration drives the cost of disposal, are incorrect. The commenter noted that our database includes wastewater streams that have higher flows than the five top-performing streams that we used to set the MACT floor, but these streams are not sent offsite for treatment because the cost to do so would be prohibitive. In addition, if our assumption that concentration drives the cost of disposal were true, the commenter stated that other streams in the database with concentrations similar to those of the top 5 streams would also be treated offsite, but they are actually treated onsite, sent to a publicly-owned treatment works (POTW), or sent offsite for solidification. Taking all of these factors into account, the commenter concluded the floor should be no control.

The commenter also provided additional comments in the event that we maintain that a floor exists and develop a standard, despite their objections noted above. First, the commenter stated that applicability thresholds must be based on the mean rather than the median because our hierarchy is to use the mean first when it results in a standard that matches real world technology. Second, if the standard still requires management and treatment procedures like those in the HON, the commenter requested an exemption from the steam stripping requirement for streams containing soluble HAP because steam stripping is inefficient and expensive for such streams; the commenter also stated that enclosed sewers are unnecessary for such streams. Third, two commenters requested that offsite RCRA waste treatment facilities not be required to certify that they will meet the requirements for wastewater in the final rule because such facilities are already stringently controlled. One commenter was concerned that RCRA facilities may