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AP42 Section:	9.13.3
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Title:	Memo from Tom Pace to Roy Huntley, US EPA Comparison between the CE-CERT and Glen Cass's Emission Factors for Commercial Cooking February 9, 1998

Memo

To: Tom Pace
From: Roy H. Huntley
Subject: Comparison between the CE-CERT and Glen Cass's Emission Factors for Commercial Cooking
Date: February 9, 1998

Tom, in the table below, I have the PM results from the 2 studies. The numbers are remarkably similar.

The Glen Cass paper is entitled *Submicrometer Aerosol Mass Distributions of Emissions from Boilers, Fireplaces, Automobiles, Diesel Trucks, and Meat Cooking Operations*. The test apparatus was briefly described (they used a dilution stack sampling system) but there were very few details of the meat cooking process. If those details are needed, they may be found in another Cass paper, but I am not sure we need to dig for that because the factors from the two studies are so similar.

CE-CERT Study	lb/1000 lbs cooked	Glen Cass's Paper	lb/1000 lbs cooked
25% fat hamburger underfired charbroiler	32.7	Regular meat, charbroiled	40
24% fat hamburger electric flat griddle	5.0	Regular meat, fried	1.1
21 % fat hamburger automated charbroiler	7.4	Extra lean meat, fried	1.4
21% fat hamburger automated charbroiler/Cat A	1.57	Extra lean meat, charbroiled	7.1
21% fat hamburger automated charbroiler/Cat B	1.02		
24% fat hamburger double sided griddle	0.85		