

Note: This is a reference cited in *AP 42, Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources*. AP42 is located on the EPA web site at www.epa.gov/ttn/chief/ap42/

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

Background Report Reference

AP-42 Section Number: 9.5.2

Background Chapter: 2

Reference Number: 3

Title: Written Communication from D.
Theiler, Wisconsin Department of
Natural Resources, Madison, WI, to R.
Blaszczak

U.S. EPA

U.S. EPA

August 1993



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURA

SEC AP-42 Section 9.5.2
Reference ~~1~~
Report Sect. 2
Reference 3

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August 26, 1993

File Code: 4530

Robert Blaszcak, Co-Chair CTC
U.S. Environmental Protection Agency
Mail Drop 13
Research Triangle Park, NC 27711

SUBJECT: Request for Project Assistance

Dear Mr. Blaszcak:

Please consider the following project request during your next Steering Committee meeting (9/14/93). The project would determine the volatile organic compound (VOC) and hazardous organic emissions from meat processing smokehouses. This information would be used to develop emission factors for smokehouse emissions. These emission factors would be used in every state, although smokehouses are predominantly located in the midwest, California and New Jersey. Specific areas the Environmental Protection Agency (EPA) would assist in include:

- Determine the appropriate test methods to quantify emissions
- Quantify emission rates for VOCs, PM-10 and hazardous organic compounds such as formaldehyde and acrolein;
- Determine the condensible fraction
- Determine the factors affecting emission rates
- Develop control strategies for these pollutants

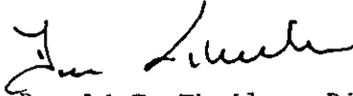
Wisconsin's hazardous air pollutant rule, ch. NR 445, Wis. Adm. Code, requires facilities to estimate emissions and apply control measures consistent with the toxicity and level of those emissions. In our effort to evaluate emissions from smokehouses and determine control strategies, we contacted other states (California and New Jersey), reviewed the literature, and required the installation of control equipment and stack testing at two facilities (Hillshire Farms and Oscar Mayer).

The lack of information on emission rates for VOCs and hazardous air pollutants and on control technologies is disappointing. Our experience with requiring control equipment (Hillshire) to control formaldehyde emissions provided less removal than anticipated.

The Wisconsin Department of Natural Resources would assist EPA by providing a project coordinator and access to existing stack test information, Best Available Control Technology (BACT) evaluations and other relevant information.

Please support this request and call me (608-266-0603) with the Steering Committee's decision. If you have any questions regarding this request, please contact Roger Fritz at (608) 266-1201.

Sincerely,



Donald F. Theiler, Director
Bureau of Air Management

cc: Charles Darwin - EPA, Mail Drop 61
Roger Fritz - Engineer, Compliance Section
Jeff Jaeckels - Oscar Mayer
Greg Ehrle - Hillshire Farms