



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.  
ATLANTA, GEORGIA 30365

DEC 8 1993

MEMORANDUM

**SUBJECT:** Wind Tunnel Report for Determining Equivalent Building Height Determinations for the Cape Industries Facility of Wilmington, North Carolina

**FROM:** Brenda Johnson *Brenda Johnson*  
U. S. EPA Region IV

**THRU:** Douglas Neeley *Douglas Neeley*  
Chief, Air Programs Branch  
Air, Pesticides and Toxics  
Management Division

**TO:** Dean Wilson (MD-14)  
OAQPS/TSD/SRAB

Please review the wind tunnel report entitled "Equivalent Building Height Determinations for Cape Industries Facility of Wilmington, North Carolina" which was mailed to you by the State of North Carolina. I have reviewed the report and have determined that the equivalent building heights may be used in the ISC2 model for air dispersion modeling subject to an acceptable technical review of the wind tunnel demonstration. Please review the technical demonstration for the wind tunnel study. Due to the nature of this study, it may be necessary to have someone from EPA's wind tunnel facility review it. I would appreciate your comments by January 15, 1994. If questions arise, please contact me at (404) 347-2864.