

## MEMORANDUM

Subject: Clearance package for Paulot et al. published article in the  
Journal of Geophysical Research: Atmospheres

From: Thomas E Pierce, Deputy Director  
ORD/NERL/AMAD

To: The file

Date: 21 July 2015

On April 9, 2014, a journal article entitled “Ammonia emissions in the United States, European Union, and China derived by high-resolution inversion of ammonium wet deposition data: Interpretation with a new agricultural emissions inventory (MASAGE\_NH3)” was published in the Journal of Geophysical Research. The leading EPA/ORD author was Dr. Rob Pinder from the Atmospheric Modeling and Analysis Division. Beginning in the autumn of 2013, Dr. Pinder took extended leave following the birth of his child. Dr. Pinder ultimately resigned his EPA position in the spring 2014. As the lead ORD author, Dr. Pinder was responsible for assembling a clearance package, but it has been determined that a final clearance package was never submitted.

I have been able to determine that internal reviews were completed by qualified Division scientists, and the review by Dr. Ellen Cooter is enclosed in this clearance package. Dr. Cooter's review was very favorable, and it appears that her comments were addressed in the final journal article. However, I was unable to locate a draft of the paper. Nor was I able to locate the response to review comments that was handled by the principal author, Fabien Paulot of Harvard University. For highly respected journal articles like the Journal of Geophysical Research, papers submitted for consideration undergo a rigorous independent peer review process. It is my judgement that the Paulot et al. journal article satisfied ORD's requirement for internal and external peer review and should be cleared through the STICS system.