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SUBJ: Peer Review Charge for the Quality Assurance Guidance for the Collection of
Meteorological Data Using Passive Radiometers, Final Draft, 04/07/2011

CC: Robert Elleman, PhD, R10 Meteorologist,
USEPA, Office of Environmental Assessment
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Dear Peer Reviewers:

The US Environmental Protection Agency Region 10 with technical assistance from Technical & Business Systems, Inc. (TBS) has created a final draft quality assurance guidance document for radiometers. While the document focused on a Kipp & Zonen MTP5p temperature profiler specifically designed for an Arctic environment, it has been written such that it has a wider radiometer instrument application.

The initial draft document was applied in May 2010 to an upper air temperature measurement program located in the North Slope of Alaska. Based on our observations of the Kipp & Zonen MTP5P temperature profiler operation and performance and the independent auditor comments and results, changes were made to the guidance document to improve over the initial draft. In the last two years, more changes were made after several more audits, measurement comparisons between profiler and the radiosondes and discussions with the proponent and vendor resulting in this final draft document.

Early this year, TBS provided Region 10 with your name as an expert in the field and volunteer peer reviewer of the final draft *Quality Assurance Guidance for the Collection of Meteorological Data Using Passive Radiometers* version 04072011. You are receiving this e-mail to assist Region 10 in finalizing the document by providing us your technical comments. Once all the appropriate comments had been addressed and incorporated, we will forward the document of Air Quality Planning and Standards. Region 10 anticipates that this document will be referenced and/or incorporated into existing Agency meteorological monitoring handbooks and quality assurance guidance documents and placed in public domain. Consequently, your review and constructive comments are very important to the Agency and potential users of the document.

Attached to this e-mail is a PDF of the final document. Please provide your comments by email to Mr. Robert Elleman at elleman.rob@epa.gov, Mr. Robert Baxter at bbaxter@tbsys.com and Mr. Herman Wong at wong.herman@epa.gov no later than Monday August 15, 2011.

Thank you for your time and participation.