Industrial/Institutional Air Measurements and Data Quality Workshop 2018

Durham, North Carolina, USA 2 August 2018

ISBN: 978-1-5108-6942-4

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2018) by Council of Industrial Boiler Owners All rights reserved.

Printed by Curran Associates, Inc. (2018)

For permission requests, please contact Council of Industrial Boiler Owners at the address below.

Council of Industrial Boiler Owners 6801 Kennedy Road Suite 102 Warrenton, VA 20187 USA

Phone: 540-349-9043 Fax: 540-349-9850

cibo@cibo.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400

Fax: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

INDUSTRIAL/INSTITUTIONAL AIR MEASUREMENTS AND DATA QUALITY WORKSHOP

August 2, 2018

TABLE OF CONTENTS

Moderator: Amy Marshall, AECOM

1.	Conference Summary1
	Carl R. Bozzuto, Consultant

- 2. Table of Contents
 - A. Design and Oversight of Emission Testing Programs6David Elam, TRC
 - B. EPA Measurement Technology Group Emissions Measurement
 Methodology and Q/A Update14
 Stef Johnson and Lew Weinstock, EPA-OAQPS
 - C. Agency Perspective on Data and Report Reviews23
 Gary Saunders, NC DAQ
 - Design and Oversight of Ambient and Meteorological Monitoring Programs29
 David Elam, TRC
 - Multivariate Software Ideas for Implementing New Technology in Boiler
 Operations.....40
 Art Hamfeldt, Sartorius Stedim Data Analysis AB
 - F. Testing Considerations for CEMS RATA, Permit Limits, Regulations and Contracts (with the emphasis on CHP)53
 Brian Petermann, POWER Engineers
 - G. Data Management and Reporting Perspectives66Patrick Hecht, AECOM
 - H. Tour Overview See Summary