

**TC 5.10 Kitchen Ventilation**  
**Main Committee Meeting Draft Minutes**  
 2013 Winter Conference, Dallas, TX  
 Monday, January 28, 2013; 10:30AM – 12:00PM  
 Sheraton Dallas, Dallas Ballroom D2 (CC1)

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- I. Call to Order and Introductions
  - a) Mike Morgan called the meeting to order at 10:37 AM.
- II. Voting Members\* and Balance

Name	Affiliation	Name	Affiliation
Mike Morgan*	Captive Aire	Jimmy Sandusky	Halton
John Clark	Consulting Engineer	Jay Parikh*	Compliance Solutions Intl.
Jason Greenberg*	McDonalds USA, LLC	Derek Schrock*	Halton
Rich Swierczynyna	FSTC	David Harpring	YUM Brands
Adam Jarboe*	YUM Brands	Curt Sawan	Darden, Inc.
Mike Watz*	Greenheck/Accurex	Hugh Breslin	Grease Capture, Inc.
Tom Carter	Caddy Corp.	Don Fisher	FSTC
Rick Bagwell	Halton	Glen Edgar	VenTech Consulting
Gregg Gress	ICC	Frank Kohout	McDonalds Corp.
Steve Brown*	LC Systems, Inc.	Bob Eckweiler	Trane
Greg DuChane	Trane	Dwayne Sloan	UL
Gary Settles	Penn State	Russ Robison	Gaylord Industries
Jack Rehder	Trane		

III. Quorum Call

- a) Jason Greenberg
- b) Stephen Brown
- c) Adam Jarboe
- d) Derek Schrock
- e) Jay Parikh
- f) Mike Watz
- g) Michael Morgan

IV. Approval of Minutes from Annual Meeting in San Antonio, TX

- a) Motion to Approve – Mike Watz
- b) Second – Jay Parikh
- c) Vote 7-0-0, CV

V. ASHRAE Liaison Reports

- a) 90.1 Liaison – Todd Gottshall, Taylor Engineering
  - No new information that directly affects commercial kitchen ventilation
- b) IKECA Liaison – Mike Watz
  - Cleaning standard has ANSI approval and is to be published.
  - Inspection standard is in progress, tentatively scheduled to be completed 2014.
  - Next meeting April 2013

Minutes Submitted by: Jimmy Sandusky, 01/31/13

Minutes Approved on:

**These draft minutes are not the official minutes until approved by this committee.**

VI. Announcements

- a) TC/TG Chair Breakfast Announcements
  - *Sunday, 1/27/13 – 8:00AM, Sheraton Dallas, Majestic 1 (H37)*
  - Update roster and activity form electronically. Members to update Bio information on ASHRAE website.
  - CEC Status Updates for Dallas Program
  
- b) SPC 154 Ventilation for Commercial Cooking Operations:
  - *Monday, 1/28/13 – 2:15 – 6:15PM, City View 2 (H4)*
  - *Chair: Derek Schrock*

VII. TC 5.10 Sponsored Seminars, Dallas Program

**Seminar 7                      Commercial Kitchen Ventilation – The Design Process (Part1)**

- Sunday, 1/27/13*    1. *Exhaust Hood Selection and Appliances – Derek Schrock*  
*11:00 – 12:30 PM*    2. *Exhaust Air Quality – Russell Robison*  
  
3. *Exhaust Ductwork, Duct Design, Fan Considerations and Selection – John Clark*  
4. *Fire Safety and Protection – Michael Morgan*

**Seminar 13                     Commercial Kitchen Ventilation – The Design Process (Part2)**

- Sunday, 1/27/13*    1. *The CKV Engineers Perspective, Incorporating HVAC Load Calculations and Replacement Air Into Your Overall Building Design – Francis Kohout*  
*1:30 – 3:00 PM*    2. *Integration of the CKV System with Building HVAC – Don Fisher*  
3. *Kitchen Ventilation of Overall System Design, Codes, Standards, and Energy Considerations – Michael Morgan*

VIII. Subcommittee and Standards Reports

- a) Handbook – Frank Kohout
  - *Sunday 1/27/13, 8:00-9:30AM - Houston Ballroom C (CC3)*
  - Starting to revise handbook, due date Feb 1, 2014.
  - Addressing harmonization of 90.1 (Energy), 62.1 (IAQ), 154 (Kitchen Ventilation) and 189.1 (Sustainability)
  - Fundamentals to be published 2014, errors in dishwasher heat gain data to be addressed.
  
- b) Program – Mike Morgan
  - *Monday, 1/28/13, 8:00 – 9:00AM – Dallas Ballroom, D2*
  - Forum proposal for Denver “Viability of Heat Recovery for Compliance Path for 90.1”
  - New York Session – Track 8: Challenges of High Rise Buildings and Kitchen Ventilation Applications. Additionally Energy Modeling and Case Studies.
  - Tim Ferrell proposed joint program between TC5.10 and TC2.9 on UV effectiveness.
  
- c) Research – Derek Schrock
  - *Monday, 1/28/13; 9:00 – 10:30 AM – Dallas Ballroom, D2*

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- Projects to receive votes, Approve final report of RP-1469, Vote on recommended bidder for TRP-1631.
- d) Membership – John Clark
  - New voting members roll on after June 2013 Annual Conference.
  - Ensure bios are up to date.
  - Sign up as non-voting, corresponding members online via ASHRAE website.
- e) Webmaster Report – Jason Greenberg
  - Webserver issues present, website to be updated with current information.
- f) Codes and Standards – Steve Brown
  - Submittals made to UMC to align with ASHRAE Standard 154.
    - Capture and Containment Field Verification
    - Air Balancing
      - Including schedule as portion of submittal.
    - Capacity of hoods.
    - Harmonization with NFPA 96

IX. Old Business

- a) Potential Journal Articles for 2013
  - Little system details that can result in large problems, Pitfalls in the design process (John Clark)
  - Pressure and Water Testing for Duct Leakage (John Clark)
- b) Demand Controlled Ventilation for Commercial Kitchens
  - ASHRAE Journal, November 2012

X. New Business

- a) Update: Commercial optical instrument to test capture and control in the field. Gary Settles, PhD.
  - Retro reflective shadowgraph device for field C&C verification by Floviz, Inc. in Port Matilda, PA.
  - Need to determine market feasibility.
- b) TC5.10 Vote Required –1631-TRP Evaluation, PES Recommendation
  - Three bids received, proposals ranked. PES recommended bidder for project.
  - Vote: 7-0-0, CV, Approved
- c) TC5.10 Vote Required – RP-1469, Finalization of Report
  - Vote: 7-0-0, CV, Approved
- d) Vision and Scope of TC5.10
  - Scope recently updated. From ASHRAE website, “Technical Committee 5.10 is concerned with the design, fabrication, installation, commissioning, cleaning and servicing of code-compliant, sustainable, commercial kitchen HVAC systems. Sustainability in commercial kitchens includes energy use, water consumption, and the impact of fats, oils and greases on ecosystems.”
  - Discussion on need of further modifications to scope.
  - Interaction with FCSI and ASHRAE for alignment.
  - Motion for TC Name Change to Kitchen Performance – Derek Schrock
    - Second – Jason Greenberg

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- Vote: 0-7-0, CV, Not Approved
- Motion to establish working group to discuss name change – Mike Morgan
  - Second – Don Fisher
  - Vote: 7-0-0, CV, Approved
- e) Update on UL Standards
  - UL710 revised September 2012. Effective date, 2017.
  - UL710B expansion to include downdraft hoods.
  - 2013 focus on Canadian documents and harmonization.

XI. Adjourn

- a) Motion to adjourn - Mike Morgan
  - Second - Jason Greenberg
  - Vote: 7-0-0, CV, Approved

DRAFT

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