Research Committee on Industrial and Municipal Waste

Meeting Minutes

08 October 2003
1000 AM to 3:00 PM
ASME Washington DC

Attendee          Organization
Ron Bastian       Focus Environmental
Herb Hollander    Hollander Associates
Ken Wittle       EPI
Donald Corwin     Therm-A-Cor Consulting
Joseph Santoleri  Santoleri Associates
Robert Hall       EPA
Charles Waggone   Dial/MSU
Roger DeCeasr     Georgia Tech
Mathew Realff     HMP
Kim Hart

By Phone
Gary Hinshaw      Energy Associates Monitoring
Maggie Clarke     CUNY
Dave Hoecke       Enercon Systems
Bob Sommerlad    
Art Plumley       
Floyd Hasselriis  Hasselriis Associates

Michael Tinkleman  ASME Staff

Note: RCIMW members indicated in bold italics
Call-to-Order, Introductions, and Agenda Review
Ron Bastian called the meeting to order at 10:45. Several members were delayed at airports due to fog in the Washington area. Additional members were available on a phone connection. Full attendance was attained at 11:30.

Financial
The Research Committee Industrial Waste account balance is $77,454.72. The Hazardous Waste Incineration account has $55,537.75.

Previous Meeting Minutes Approval
Some typographical errors were corrected. The meeting minutes will be reissued. Ken Wittle made a recommendation to approve the amended minutes. Charles Waggoner seconded the motion. All present with the exception of Herb Hollander and all on phone connection voted to accept the corrected minutes.

Communications
No significant data have been received during the summer.

Subcommittee Reports:

a. Reference Method Accuracy and Precision Update (ReMAP) – Hoecke/Bastian (Wilson, Lamb, Waggoner, Hasselriis)
The first software model has been completed. All of the data from phase 1 report, divided into categories was included in the model. The REMAP II Predictor was added to determine the emissions for various emissions of concern. It was determined that 5 metals were similar. The other metals were delineated separately. A summary of the operation of the REMAP program was provided using Mercury as the metal of interest. Two versions of the program were developed. Version 1 has more statistical information shown. The version 2 is simplified to allow for ready utilization by less knowledgeable statistical users.

The disk was released and sent to ASME. Documentation is being completed at this time. A detailed discussion of the format and the presentation method was held. The program will be emailed out with comments to Dave by 15 October. This beta version is available for committee members only.

Ken Wittle made a motion to copyright the code information. A second by Charles Waggoner. Passed by voice vote with no objections.

A discussion was held as to the methods to publicize the capabilities of the program. Dave Hoecke will make a presentation at the EPA information exchange in Dec.
b. REMAP II Data - Hoecke (Bastian, Lamb, Riggo, Hasselriis, Waggoner, Wilson)
Greg Riggo was commissioned to perform a review of the additional data. Greg issued a report that is on the web site. Copies were sent to the sub-committee several weeks ago. Comments are requested by November 28 to allow them to be presented at the 4 Dec meeting.

The REMAP program is being modified to allow for additional data to be placed into the data base by the user. Charlie Hendrix will incorporate updated REMAP program. This will be designated Software Number 2.

The copyright issue has been resolved by ASME. Michael Tinkleman will followed up on this. A discussion was held on the methods of recovering the cost. The market being the world as opposed to just the US was discussed and the method of publishing it. Ken Wittle recommended that the future potential sources for income from this program be put into the business plan.

A copy of the quick start guide is available on the committee web site.

c. Landfill Emissions – Hasselriis, (Clarke)
No report at this time. Susan Thornloe of EPA is currently working on promoting the EPA MSW options program.

d. Animal Waste – Waggoner, (none)
No report at this time. Larry Jones of EPA is working on a hog refuse.

e. Waste Minimization – Clarke, (Hinshaw, Hasselriis, Realff)
Basic review of the current status. A summary review of glass recycling processes and usages was provided. The problems with plastic recycling were reviewed.

Matt Realff provided a basic review of the history. Carpet minimization material going to landfill. By 2012, the total amount of carpet will be 6 billion pounds. Two to three billion pounds must be recycled. Would like to burn 300 million pounds a year in cement kiln. Several cement kilns are being reviewed to set up a demonstration test burn. 1000 tons are needed for the demonstration burn.

The carpet and rug institute is pushing this project. There is some government funding in the future budget to forward the project. A general review of the project and the history was provided. The current plan is to shred the carpet at one or more kilns.

The future activities were reviewed. A draft proposal outline is available on the committee web site.

g. Business Plan- Trenhlom
A review was given of the strategic planning requested by the BRTD from each of the committees to improve their operational efficiency. Michael made a presentation of the Strategic Plan. The ASME reorganization will be released at the BRTD meeting on 14 to 18 November in Washington DC.
There was discussion about inviting people to attend meetings to provide updates on the state of their area of the industry. Several potential speakers and topics were placed on the table for potential inclusion at future meetings.

### EPA - Headquarters future activities
Paul Lemieux (Bromine research)

### DOE
- Landfill Gas
- Metal CEM

### MACT
- Bastian Update on CRWI website.

- **h. Waste Gasification – Lamb, (Soelberg, Wilson, Santoleri, Corwin)**
  No report at this time.

- **i. Special Project – Hasselriis**
  This project is deleted.

- **j. Awards -- Sommerlad**

- **k. ASME Pioneer Award (Sommerlad, Hinshaw, Hasselriis)**
  The people of the committee will start to collect and review candidates.

### 6. Other Business
- **ASME Business Plan – Wittle**
  This was covered under the business plan.

### I-CIPEC - Hall
A review was given by Bob Hall of the history and the funding for a session at the International Conference on combustion, Incineration/Pyrolysis and Emission Control (ICIPEC) Conference to be held on October 21 – 23, 2004 in Hangzhou, China. It was requested that the BRTD provide some of the funding to reflect the interest of ASME as the international organization. Charles Lamb made a motion to approve funding $5K that the executive committee had previously authorized to sponsor a session. The motion was seconded by Joe Santoleri. Ken Wittle requested that BRTD be contacted to be a co-sponsor or to fund a session. Motion voted and passed by voice vote.

### Quorum size – Hall
A review of the current quorum. It was discussed and decided that the quorum should be a percentage of the membership rather than a fixed number. Herb Hollander made a motion to have the quorum be 50% of the membership by members actually present or by participating by phone call. Charles Waggoner seconded. Motion approved as presented. The by-laws will have be changed. It will be sent around for full review.
7. New Business

8. Upcoming Meetings
   -- 4 Dec at RTP (to follow the EPA/A&WMA Information Exchange which will be held at EPA in Research Triangle Park, NC on 2 and 3 Dec)
   -- Atlanta in March at Georgia Tech
   -- IT3 meeting May 10 in Phoenix, AZ

9. Adjournment
The meeting was adjourned by Bob Hall at 3:30 PM.