American Society of Mechanical Engineers  
Center for Research & Technology Development  

Research Committee on  
Industrial and Municipal Waste  

Meeting Minutes  

13 May 2003  
7:00 PM to 10:00 PM  
IT3 Conference, Orlando FL  

<table>
<thead>
<tr>
<th>Attendee</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ron Bastian</td>
<td>Focus Environmental</td>
</tr>
<tr>
<td>Gary Hinshaw</td>
<td>Energy Assurance Monitoring</td>
</tr>
<tr>
<td>Dave Hoecke</td>
<td>Enercon Systems</td>
</tr>
<tr>
<td>Floyd Hasselriis</td>
<td>Hasselriis Associates</td>
</tr>
<tr>
<td>Ken Wittle</td>
<td>EPI</td>
</tr>
<tr>
<td>Donald Corwin</td>
<td>Therm-A-Cor Consulting</td>
</tr>
<tr>
<td>Charles Lamb</td>
<td>Washington Group</td>
</tr>
<tr>
<td>Robert Hall</td>
<td>EPA</td>
</tr>
<tr>
<td>Charles Waggoner</td>
<td>Dial/MSU</td>
</tr>
<tr>
<td>Luther Gibson Jr</td>
<td>Oak Ridge Site Specific Board</td>
</tr>
<tr>
<td>Nick Soelberg</td>
<td>IEEL</td>
</tr>
<tr>
<td>David Sewell</td>
<td>Washington Group</td>
</tr>
<tr>
<td>Mel Keener</td>
<td>CRWI</td>
</tr>
<tr>
<td>Mike Foster</td>
<td>Lilly</td>
</tr>
<tr>
<td>Bruce Springsteen</td>
<td>EER</td>
</tr>
</tbody>
</table>

Note: RCIMW members indicated in bold italics
1. **Call-to-Order, Introductions, and Agenda Review**
   At 7:01 PM, Ken Wittle called to meeting to order. Brief remarks were made on the cancellation of the February meeting due to attendance. It was stated that the meeting would have been attended by 4 members. Introductions of all present there then made. The agenda was reviewed with no additional items.

2. **Financial**
   The Research Committee Industrial Waste fund
   31 March 03 balance is $74,109.34. Expenses year to date are $17,900 for the carpet recycle and the REMAP. Investment income showed a decline of $4,651.53 Total reduction in assets is $22,551.53

   The Hazardous Waste Incineration fund
   31 March 03 balance is $50,729.46. Investment income showed a decline of $2,648.12. Total reduction is $2,648.12.

   Chairman has done good service for the committee trying keep good communications with the main office relative to the funds retained in the two accounts above.

3. **Previous Meeting Minutes Approval**
   Meeting minutes were approved as sent. Meeting minutes were approved by e-mail vote.

4. **Communications**
   No communications were noted for the period.

5. **Awards**
   Wittle presented service awards to the following for 4 years of service to the committee in the listed positions

   - Gary Hinshaw  
   - Don Corwin  
   - Bob Hall  
   - Dave Hoecke  
   - vice chairman  
   - recording secretary  
   - executive committee member  
   - executive committee member.

6. **Subcommittee Reports:**
   a. **Nominating: Election of Officers**- Hall (Wilson, Friedrich)
      Slate of Candidates
      - Chair  
      - Vice Chair  
      - Secretary  
      - Bob Hall  
      - Ron Bastian  
      - Don Corwin

   Bob Hall, Dave Wilson and Simon Friedirch developed the slate of candidates for the next term. The slate was elected by the members present and by proxy from Hollander, Plumley, Friedrich, Velzy, Santoleri, Clarke and Theriac.
The committee recommended elevating Matt Realff to membership. Matt has been active on the committee and is active in the carpet recycling sub-committee. Moved by Hall and seconded by Wagner. No discussion and voice vote approval.

Committee members whose terms expired in June were re-nominated for another term. These members are Gary Hinshaw, Charles Lamb, Joe Santoleri, Tony Licata and Bob Sommerlad. Bastian seconded the motion. The motion was passed by voice vote.

Johnnie Theriac asked to be made associate member due to his travel restrictions. It was decided to move him to associate member because his term is up. This was passed by voice vote.

Discussion on the possible methods of attracting new members and how to expand the requirements to meet the needs of the members. Due to travel restrictions, many members cannot attend meetings. Future discussion on methods of improving or coordinating the meeting with other meetings to improve attendance will be held.

Nominating committee recommended that Dave Hoecke and Gary Hinshaw be elected to serve on the executive committee. Seconded by Hasselriis and approved by voice vote.

Charles Waggoner and Charles Lamb were nominated to serve on the nominating committee. Seconded by Hoecke. Voice vote approval. David Wilson will serve as chair.

b. ASME Pioneer Award - Hall (Hoecke, Sommerlad, Hinshaw)
Review of the history on the award was provided. Hall reviewed committee meetings. Floyd Hasselriis was selected as the first recipient of the ASME IMW IT3 Pioneer Award. Ken will present the award at the luncheon tomorrow. Nominations for next year should be sent to Bob Hall.

Floyd made a brief summary of his working philosophy.
It was recommended that the committee be formed as soon as possible to ease the selection process. Ken selected Hasselriis, Hinshaw, Sommerlad (chair of awards committee). The committee will chose the chair for the committee.

c. Reference Method Accuracy and Precision Update (ReMAP) -
Hoecke/Bastian (Wilson, Lamb, Waggoner, Hasselriis)
Hoecke provided an overview of the activities. The executive summary is on the web site. Additional data was published in March. Software moving slowly due to ASME software policy.

d. Additional REMAP Data - Hoecke (Bastian, Lamb, Riggo, Hasselriis, Waggoner, Wilson)
Greg Riggo was hired to complete an update on the critique on the methodology. The final report will be reviewed by the subcommittee before submittal to the full committee for review. It is now available on the committee web site for committee review and approval. Some additional ANSI data is available that is being included.
A motion was made by Hoecke to commission Charlie Hendrich to write a new program to accept new audit data and provide a comparison of the new material to the old material. The program is to be user friendly. The cost will be $6,000. Dave seconded for discussion. This was passed to fund the completion of the software.

As part of the discussion a question was raised as to how to distribute the software. Sale or free were provided as two methods. The ASME policy of software was raised as an unknown. The handling and distribution of the product was tabled.

As part of the software discussion, it was noted that the new MACT standards for HWI will probably reduce the emission rate of several of the items reviewed by the REMAP study. It is possible that the new standards will be reduced to the precision level found documented in the REMAP study. The method of interacting with EPA and the methods of the standards needs to be discussed.

A subcommittee was set up with Ron Bastian chair and, Charlie Waggoner, Dave Wilson, Mel Keener, and Gary Hinshaw to review the implications of the new potential emissions levels. If possible, the subcommittee will try to get a meeting with the regulatory group to have a round table discussion on the areas of concern and to provide the current information from the REMAP study.

e. **Landfill Emissions** – Hasselriis (Clarke)
Floyd will contact Susan Thorneloe at EPA to discuss the current status. Concerns about the misapplication of the software and the potential problems that the REMAP program would incur. The silicone emissions are a possible area that the committee could be involved in. This will be reviewed.

f. **Animal Waste** – Waggoner
No Report

g. **Waste Minimization** – Clarke
No Report

h. **Carpet Recycling** – Realoff (Hinshaw, Lamb, Waggoner)
Gary gave a overview of the history on the carpet recycling. The current status of the participation and the potential funding was summarized. It is anticipated that some government funding will be provided at the start of the fiscal year.

i. **Business Plan**- Trenhlon ( )
Wittle stated that BRTD will be requiring that all committees develop business plans.

j. **Waste Gasification** – Lamb (Soelberg,, Wilson, Santoleri, )
Charles provided a summary review of the current status. Charles asked if additional members could volunteer to assist. Ken will talk to Michael

k. **Special Project** – Hasselriis
It was agreed to sunset this committee.
7. Other Business
EPA is working with China, Canada, Korea, and Japan on a “POPS from Combustion Workshop” in 2004. This is being held in conjunction with the ICIPEC Conference, a conference on combustion and incineration. The three-day conference is scheduled to be held in Sept 2004 Hall to provide additional details and requested that our committee support the ICIPEC Conference by providing $5000.

8. New Business

9. Next Meeting  Washington, DC on September 3 is proposed.

10. Adjournment at 9:40 PM