

To: R.J. Haggerty - OH&ESD - 275-6W-01
R.E. King - OH&ESD - 260-3B-09

From: R.A. Weber (7-4459) - OH&ESD - 260-3B-09

Subject: ISEA INSTRUMENT & GROUP MEETINGS

Date: June 2, 1995

The ISEA Instrument group had two meetings during the AIHC. The first meeting involved the subcommittee working on the diffusion monitor protocol and the second was the entire instrument group.

Review of Diffusion Monitor Subcommittee Meeting

The following people were in attendance: Skip Elliott - Environmetrics, Gus Manning - Assay Technology, Lawrence Locker - Advanced Chemical Sensors, Katie Spear - MSA, Bob Curtis - OSHA, Martin Harper - SKC, Stephen Zlocysti - MSA (Auer).

The group elected officers; Skip Elliott was elected chairman and I was elected vice-chairman.

Stephen Zlocysti, chairman of the CEN committee working on the European diffusion monitor standard gave our group an update on their standard prEN838. This standard is now out for votes and he expected it to be a final standard by the end of the year.

Since our last meeting in February, the group has been very active in writing the standard. We reviewed the draft document during this session and in general, we had some lively discussions. Some of the issues involved the following:

1. The types of devices that this standard should cover. Presently, we have settled on three classifications.

2. We discussed the evaluation criteria and we ended up with a consensus on what types of tests need to be conducted. Specifics on sample sizes and testing levels are still open for further discussion. We agreed that we will not include pressure in evaluation criteria and we also agreed that factorial designed experiments may be run as an option.
3. We agreed that the document should contain language or guidance on field evaluations.
4. The document will contain recommendations for manufacturers. This section will include information on quality control programs and labeling.
5. We decided that $\pm 25\%$ accuracy would not be a requirement. Accuracies only need to be determined and started.

Each member of the committee has specific sections to develop. Draft sections need to be submitted by the end of July. In August the document will be sent out for committee review. If committee finds this draft acceptable, we will then distribute to a field of experts for their comments. These comments will then be reviewed at our next committee meeting. We are scheduled to meet again during the National Safety Congress.

Instrument Group Meeting

The members of this group are mainly concerned about direct reading instruments. All of the major players in the business are participants in ISEA. Following is a list of items that the committee is actively involved with: ANSI Standard on Detector Tubes, ISA O₂ Standard, NFPA306, CEN Instrument Standards, ANSI Z-117 Confined Space Standard, OSHA 1910.134 and writing an ANSI Diffusion Monitor Protocol.

Although we presently do not have a product that fits into the direct reading sensor market, the meeting gave me an understanding of issues that our competition is dealing with.

3M 110290

Page Three
June 2, 1995

Summary

I walked away from this meeting realizing that there is a maze of instrument and sensor standards that we need to better understand if we ever plan to enter this market. My major objectives in working with this ISEA committee is to assist in writing the ANSI Diffusion Monitor Protocol and to learn about the standards and issues of gas and vapor detection instruments.

RAW:llj/45

cc: D.C. Breckle - OH&ESD - 275-6W-01
A.R. Johnston - OH&ESD - 260-3B-09
L.A. Koerschner - OH&ESD - 260-3B-10
D.J. Larsen - OH&ESD - 260-3B-08
A.C. Murray - OH&ESD - 275-6W-01
J.B. Palazzotto - OH&ESD - 260-3B-08
K.E. Reed - OH&ESD - 260-3A-02
Y.T. Shih - OH&ESD - 260-3B-08
L.G. Swope - OH&ESD - 275-6W-01



3M 110291