

History of the Beryllium Health and Safety Committee

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Vice Chair

Beryllium Health and Safety Committee Meeting
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Formation of Committee/Subcommittee

- ❖ DOE/DoD Beryllium Coordinating Committee (BCC) chartered to ensure future supply of beryllium metal for defense programs
- ❖ Largest obstacle was the need to PROTECT WORKERS from Be Aerosols
- ❖ Beryllium Monitoring Subcommittee (BMS) formed in 1990 to improve and coordinate beryllium monitoring activities in the US and UK

Chair and Members

- ❖ First Chair—Dick Corle, Rocky Flats Plant
- ❖ Members
 - ◆ LLNL, RFP, Y-12, LANL, Brush Wellman, Inc., USAF, AWE (UK), LRRI (ITRI), DOE HQ's, DOE AL, DOE RFP

BMS Charter

- ❖ Standardization
 - ◆ Environmental surveillance
 - ◆ Medical surveillance
- ❖ Establish technical base
- ❖ Develop monitoring overview
- ❖ Advanced state-of-the-art monitoring
 - ◆ Personal
 - ◆ Environmental
- ❖ Communications

BMS Working Groups

- ❖ Occupational health
- ❖ Environmental monitoring
- ❖ Analytical round robin

Occupational Health WG

- ❖ Medical surveillance
 - ◆ Evaluating worker health affects
- ❖ Lymphocyte Proliferation Test (LPT)
 - ◆ Standardization; intralaboratory validation
- ❖ Epidemiology
- ❖ Animal Studies
 - ◆ Chemical form/response
 - ◆ Single vs. repetitive exposures/sensitization
 - ◆ Sensitization dose/schedule
 - ◆ Relations among antibodies, LPT, CBD
 - ◆ Combined health affects

Environmental Monitoring WG

- ❖ Definitions

- ◆ Beryllium worker, controlled areas, swipe samples, general area, breathing zone sample, personal sample, production sampling

- ❖ Aerosol science

- ❖ Instrumentation

- ◆ Standard, real-time, analytical techniques

- ❖ Procedures

- ◆ Guidance documents (sampling strategy, model SOPs, proper use of instruments)
- ◆ Training

Analytical Round Robin WG

- ❖ Formed to provide program of standards preparation, distribution, sample analysis, data collection, report preparation, and statistical evaluation of beryllium analysis

Approach of BMS

- ❖ Plan was to develop work task description for each of the projects and submit this to the BCC for funding consideration

BCC disbanded

- ❖ 1992 the DoD source funding was cut by Congress
- ❖ Beryllium Handbook/Good Practice Guide and review of UK monitoring data was initiated with non-committee funding
- ❖ 1994 DoD withdrew from the BCC

BMS turned into BH&SC

- ❖ BMS members decided to continue to meet due to invaluable forum for sharing and improving worker conditions
- ❖ 1995 Dick Corle retired and Rob Hadley from LLNL was selected as Chair
- ❖ BMS renamed as the Beryllium Health and Safety Committee (BH&SC); was adhoc in nature
- ❖ 1997 Steve Abeln took over as Chair
- ❖ Committee reformed and subcommittees developed

BH&SC Subcommittees

- ❖ Research Needs Subcommittee
 - ◆ Mark Hoover, Chair
- ❖ CBD Prevention
 - ◆ George Fulton, Chair
- ❖ Technical Standards and Requirements
 - ◆ Michael Garcia, Chair