

Asbestos-like Mineral Fibers in the Upper Midwest: Implications for Mining and Health

DRAFT Agenda
Gitchee Gume Conference Center
U.S. Environmental Protection Agency
Mid-Continent Ecology Division
6201 Congdon Boulevard
Duluth, Minnesota 55804

Tuesday, October 6th, 2015

8:30 A.M. **REGISTRATION**

9:00 A.M. **WELCOME AND INTRODUCTIONS**

DALE HOFF (confirmed)
Acting Division Director
U.S. EPA Mid-Continent Ecology Division

9:15a.m.-12:30p.m.

Session 1: Upper Midwest and Elongate Mineral Particles (EMPs)

Geology and Health 101
AUBREY MILLER, NIEHS

Regional Geology: History and How EMPs are Created
GEORGE HUDAK, NRRI

10:15 A.M. – 10:30 A.M. **BREAK**

Mineralogy: The Nomenclature and Morphology of Elongate Minerals
GREG MEEKER, Mineralogist from Evergreen, CO
JIM WEBBER, Webber Environmental Health Consulting, LLC

Detection/analytical methods: Exposure and Laboratory
DAVID BERRY, EPA
BRYAN BANDLI, R. J. LEE

12:30 P.M. **LUNCH KEYNOTE: PHILIP COOK - LIFE AND LEGACY**
DALE HOFF, EPA

STEPHEN GAVETT, EPA
CHRIS WEIS, NIEHS

1:45p.m. - 5:30p.m.

Session 2: Health Effects of Elongate Mineral Particles (EMPs)

Toxicology

RON DODSON, ERI Consulting

Clinical

JAMES LOCKEY, UCinn

Autoimmune Diseases

JEAN PFAU, Idaho State

3:15 P.M. – 3:30 P.M.

BREAK

Update on Medical Screening and Surveillance of asbestos-exposed populations with chest imaging

DAVID WEISSMAN, NIOSH

ANSES appraisal on health risks to workers exposed to cleavage fragments from non-asbestiform amphiboles

EMMANUELLE DURAND, ANSES, FRANCE

Case Study: Libby, MT

TED LARSON, ATSDR

Case Study: Wittenoom, Australia

ALISON REID, CURTIN UNIVERSITY IN PERTH, AUS

5:30 P.M. – 5:45 P.M.

WRAP-UP AND BREAK FOR THE DAY

Wednesday, October 7th, 2015

9:00a.m.-12:00p.m.

Session 3: Upper Midwest Taconite Mining and EMP Related Health Effects

History of Mines

DICK OJAKANGAS, Univ. of MN-Duluth (ret.)

Occurrence of Mesothelioma and Health Effects

HENRY ANDERSON, State of Wisconsin

10:15 A.M. – 10:30 A.M.

BREAK

Minnesota Taconite Workers Health Study

BRUCE ALEXANDER, UMinn
MARK JOHNSON, CDC ATSDR
DAN VALLERO, EPA RTP

12:00 P.M. -1:00 P.M.

LUNCH

1:00p.m.-2:30p.m.
Session 4: EMPs and the Duluth Complex, MN

Geologic History

ROBERT STEVENSON, Materials & Chemistry Lab, Inc. (ret.)

EMPs in the Field

ROBERT STEVENSON, Materials & Chemistry Lab, Inc. (ret.)
STEVE RING, MN Dept. of Health (ret.)

2:30 P.M. – 2:45P.M.

BREAK

2:45p.m.-3:45p.m.
Session 5: EMPs and the Penokee Hills, WI

EMPs in the Eastern Penokee Range of Wisconsin

TOM FITZ, Northland College
MARISSA FISH, Northland College

EMPs in the Western Penokee Range of Wisconsin

MARISSA FISH, Northland College
TOM FITZ, Northland College

3:45p.m.-5:00p.m.
Wrap-up and Discussion