Steel Mill Wastes ‘99
May 17-19 1999 • Pittsburgh, PA

Final Conference Agenda

MONDAY, MAY 17

10:00 - 5:00  Workshops
Waste Oxides: Minimization, Recycle and Treatments
Steelmaking for the Non-Steelmaker

6:00-8:00 pm  Registration and Wine and Cheese Reception

TUESDAY, MAY 18

7:00  Conference Registration and Continental Breakfast

8:00-8:30  Opening Remarks
Kent Simmons, Conference Director
Gorham/Intertech Consulting

Walter Gebert, Vice President, Environmental Technology
Voest-Alpine Industrieanlagenbau GmbH

John Stubbles, Consultant

Alan D. Zunkel, President
A.D. Zunkel Consultants, Inc.

KEYNOTE PRESENTATION

8:30-9:15  Coping With Steel Mill Wastes and Profiting from By-Products
Leon M. Harbold, Vice President Market Development
Envirosource/IMS

9:15-10:00  Recovery of Iron and Zinc from Steel Mill Wastes: Technical and Operational Status Report
Larry M. Southwick, Principal,
L.M. Southwick & Associates

10:00-10:30  Refreshment Break
Sponsored by John Stubbles, Consultant

Speaker 1
Speaker 2
SESSION I – Developer and Provider Solutions to Waste Recycling for Minis and Integrateds

10:30-10:45  Inmetco Technology for Recycling Carbon Steel Mill Wastes
Richard H. Hanewald, President
Inmetco – Internation Metals Reclamation

10:45-11:00  Reclamation of Iron- and Steelmaking Residues on the REDSMELT – Speaker 4
Process Line incorporating the INMETCO Technology
Heinz Lehmkueler, Senior Process Engineer
Mannesmann Demag AG

11:00-11:15  FASTMELT/FASTMELT – The Final Step in Waste Recovery
Kenneth E. Joyner, Sales Development Manager
Midrex Direct Reduction Corporation

11:15-11:30  Converting Wastes Into Profit: Utilization of Steel Mill Wastes
In COREX and RMF Technology
Alexander Fleischanderl, Environmental Technology
Voest-Alpine Industrieanlagenbau GmbH

11:30-12:15  Session I Panel Discussion

12:15-1:45  Luncheon
Sponsored by Envirosource/IMS

SESSION II – Mini and Integrated Mill Case Studies and Waste Recycling Solutions

1:45-2:00  AllMet/NYS – Waste Oxides Recovery Facility and Operating Results
John K. Pargeter, Chairman
AllMet Technologies, Inc.
Giuseppe Facco, Vice President & Director of Furnace Department
ITAM, a division of Techtint Technologies, Inc.

2:00-2:15  Development of a Steel Mill Oxides Recovery Process in Hylsa
David Yanez, Vice President, HYL Steel Technologies
Hylsa S.A. de C.V.

2:15-2:30  First Experiences and Results of the BSN-Process to Recover Zinc and Lead from EAF Dust
Karl Haase, Managing Director
Badische Stahlwerke GmbH
2:30-2:45  Recycling Steelmaking BOF Sludge at BSC Sparrows Point Division  
John Lynn, Senior Engineer  
Bethlehem Steel Corporation

2:45-3:00  Identifying Waste Streams  
Clark M. Greene, Utilities General Foreman  
Georgetown Steel Corporation

3:00-3:30  Refreshment Break  
Sponsored by A.D. Zunkel Consultants, Inc.

3:30-3:45  Dofasco’s Resource Management System – Optimizing Material and Value Flows  
Wayne Potocic, Manager By-Product Marketing  
Ian A. C. Shaw, Environmental Specialist  
Dofasco Inc.

3:45-4:00  Detection of Radioactive Sources in Scrap  
Michael Johst, Project Manager  
Danish Steel Works

4:00-4:45  Session II Panel Discussion

6:00-8:00 pm  Cocktail Reception

WEDNESDAY, May 19

7:00  Continental Breakfast

8:00  Conference Continues

SESSION III – Learning How to Profit From Recycling EAF Dust

8:00-8:15  Recycling K061/K062 – Minimizing Costs/Maximizing Value  
C.T. Phillip, President  
Enviroscience, Inc.

8:15-8:30  Zinc Management and Recycling Within the Iron & Steel Industry  
Fried Sauert, Process Engineer – Environmental  
Voest-Alpine Industrieanlagenbau GmbH

8:30-8:45  EAF Outputs – Products & By-Products  
Kevin Holliday, Manager Mill Services  
Phillip Services (Europe) Limited
8:45-9:00  Agglomeration or Injection – Two Recycling Alternatives
John D. Ellis, Manager, Technology & Process Development
Heckett MultiServ - West

9:00-9:15  Recovery of Zinc and Iron from EAF Flue Dusts
Ray McGee, President
Horsehead Industries

9:15 – 10:00  Session III Panel Discussion

10:00 –10:30  Refreshment Break
Sponsored by Voest-Alpine Industrieanlagenbau

SESSION IV – New Technology and Advances in Waste Treatment
And Recycling Technology

10:30-10:45  The Oxicup Process – Recovery of Iron From Residuals
Michael Lemperle, Managing Director
Kiöttner-GHW

10:45-11:00  The Hartford Steel Process for Recovery of EAF Dust and
Other Steel Industry Wastes
Peter J. Robinson, Consultant
Hartford Steel Technologies
Allan S. Myerson, Director of Research
Metals Recycling Technologies Corp.

11:00-11:15  Foundry Pig Iron From Waste Oxides
Christopher M. Moore, Managing Director
DK Recycling und Roheisen GmbH

11:15-11:30  ZMP Steelmaking – Focusing on Zero Waste and Emissions
Norman Kotraba, President
Zia Metallurgical Processes, Inc.

11:30-11:45  TBA
Michael Cournoyer, Technical Staff Member
Los Alamos National Labs

11:45-12:15  Session IV Panel Discussion

12:15-1:45  Luncheon
Sponsored by L.M. Southwick & Associates
### SESSION V: Environmental Regulations, Problems and Strategies
#### At Mini and Integrated Mills

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<td>1:45-2:00</td>
<td><strong>The Value of Recycling and Recovery: Legal Issues</strong></td>
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<td>Scott Dismukes, Chairman, Environmental</td>
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<td><em>Deepken, Keevican &amp; Weiss</em></td>
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<td>2:00-2:15</td>
<td><strong>Utilization of Spent Refractory Materials from Steelmaking</strong></td>
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<td>James P. Bennett</td>
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<td><em>U.S. Department of Energy</em></td>
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<td>2:15-2:30</td>
<td><strong>Inert Residuals and By-Products: Are There Any?</strong></td>
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<td>Thomas D. Robertson, P.E., Director</td>
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<td><em>Environmental Quality Management, Inc.</em></td>
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<td>2:30-2:45</td>
<td><strong>Final NRC Staff Technical Position on the Disposition of</strong></td>
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<td>Cesium-137 Contaminated Emission Control Dust</td>
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<td><em>U.S. Nuclear Regulatory Commission</em></td>
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<td>2:45-3:15</td>
<td><strong>Session V Panel Discussion</strong></td>
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<td>Closing Remarks/Summary</td>
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