Dust Recovery Practice at Blast Furnaces

An evaluation of settleable solids formation and recovery at mills in the Ohio Valley and a suggested proceedure for defining performance of wastewater clarifiers.

Reference Data Publication compiled by

Steel Industry Action Committee

OHIO RIVER VALLEY WATER SANITATION COMMISSION

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An interstate agency representing Illinois, Indiana, Kentucky, New York, Ohio, Pennsylvania, Virginia and West Virginia

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OHIO RIVER VALLEY WATER SANITATION COMMISSION

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FOREWORD

This is one of a series of manuals of practice relating to operations of the steel industry with specific reference to the control of water pollution. It was prepared under the direction of the Steel Industry Action Committee, which was organized by invitation of the Commission on April 13, 1950. Since that time the committee has promoted a critical examination of its problems -- and those of the Commission -- as related to water use and the public interest.

Because the membership of the committee includes all the major steel industries in the Ohio River Valley, a unique opportunity is afforded to draw upon a wide variety of resources and conduct studies of a nature far more comprehensive than heretofore has been possible. The findings developed for this manual are a case in point. They represent an evaluation of data from 23 mills that operate 81 blast furnaces.

Planning and development of the study on blast-furnace dust formation and recovery is one of the projects of a subcommittee on settleable solids whose members include:

C. A. Bishop	United States Steel Corporation
* G. M. Dreher	Jones and Laughlin Steel Corporation
R. F. Ferguson	Republic Steel Corporation (Past Chairman)
G. A. Howell	United States Steel Corporation
G. A. Pettit	Armco Steel Corporation
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De Yarman Wallace	Youngstown Sheet & Tube Corp. (Co-Chairman)

* *deceased*

Execution of the project was assigned to Richard D. Hoak. Dr. Hoak is Senior Fellow of the American Iron and Steel Institute Fellowship at the Mellon Institute of Industrial Research.

It is with appreciation that the Ohio River Valley Water Sanitation Commission acknowledges this contribution to a better understanding of industrial-waste control practice.

Edward J. Cleary

Executive Director
and Chief Engineer

Cincinnati, Ohio
January, 1958