



## **Current Journal Contents** **January 2016**

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# THIS ISSUE

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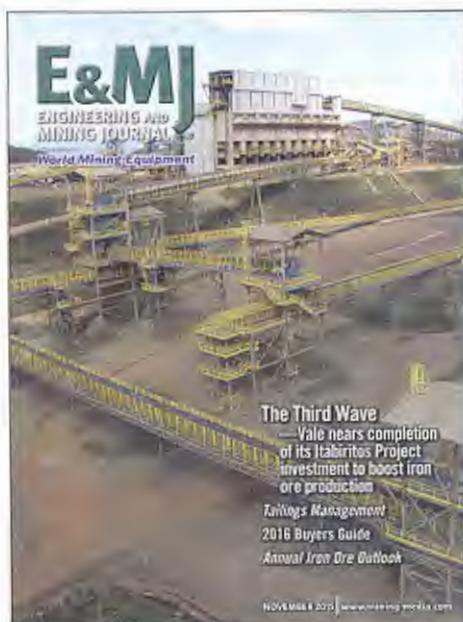
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On the cover, Vargem Grande's homogenization yard (foreground) and crushing and screening plant (background), the front end of a \$1.9 billion investment to beneficiate low-grade itabirite ores that were previously discarded. The initiative has reduced costs significantly for Vale while also improving product quality. In addition to a report on Vale's Itabirites project, E&MJ publishes its annual iron ore market review.



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This month E&MJ looks at lifting safety and the many factors to consider when deciding if a mine should lease crane services or purchase cranes. On the cover, two Liebherr telescoping cranes were used to unload and erect two rope shovels at the Antamina mine in Peru.

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Cover illustration created by Scott Hilling for ENR with iStock photo; photo right courtesy of IrisVR



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Cover photo and photo right courtesy of YMSK



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## *Thank You Volunteers!*

AWRA relies heavily on the volunteer efforts of our reviewers and associate editors. We would like to express our sincere gratitude for their hard work and efforts on the journal's behalf. The reviewer index at the back of this issue lists those who have generously given their time this past year to referee manuscripts; the associate editors are listed on the inside front cover. Please take a moment to peruse these lists and acknowledge their contributions.

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Cover photo: Potomac River at Great Falls, Virginia. Photo by Ken Lanfear.

# Land and Water

THE MAGAZINE OF NATURAL RESOURCE MANAGEMENT AND RESTORATION

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November/December 2015

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by Bryan Wedin, P.E. & Joe Kaul

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With the growth in demand on agricultural production, we simply have to be more efficient in our use of land and water.

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Polymer Enhanced Best Management Practices (PEBMPs), which are used for erosion and sediment control, and water clarification, is a growing technology around the world. The Anna River Culvert Replacement Project outlines how to properly use polymers to ensure that they are nontoxic to aquatic organisms and perform at an optimal level.

by Seva Iwinski

## ABOUT THE COVER

A winter sunrise over Milford Neck Wildlife refuge north of Milford, Delaware after an early January snowstorm. The area has a rich history of hunting, trapping and agriculture. The small creek flows southeast into the Mispillion River, three miles from Delaware Bay. Photo credit: J. Wesley Allen, Environmental Scientist, SOLitude Lake Management



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