


ASH AT WORK

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NAA Elevates Plumb to Chairman of The Board; Tobias Anthony Assumes Role As President

WASHINGTON — In a restructuring of the National Ash Association, James P. Plumb of Houston Lighting & Power Company has been elevated to the position as Chairman of the Board.

The action was taken at the recent annual meeting of the Association's Board of Directors. Plumb is now in his second term as the NAA's chief executive officer.

Under the new by-laws, Tobias Anthony assumed the role as president and chief operating officer for the trade association. He formerly served as executive vice president and executive director.

Other officers elected to serve the agency for the current year are John Gillis, treasurer; and Allan W. Babcock, secretary. Gillis is a member of the NAA staff and Babcock is an ash consultant with Monongahela Power Company headquartered in Fairmont, WV.

Committee chairmen named were Gerald Bowdren, Public Service Electric & Gas Company of Newark, NJ - Budget & Finance; John Dorsett, Texas Utilities Generating Company of Dallas, TX - Membership; Ronald E. Morrison, American Electric Power Service Corp., Charleston, WV - Technology; Jack Weber, Weber/McNeil Material Sales, Inc. of Glastonbury, CO - Marketing; and Joseph Mullan, National Coal Association of Washington - Governmental Relations.

Steve Benza of KBK Enterprises, Inc. was designated as the Ash Marketing Council representative to the Board of Directors.

The organization also increased the

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Communications Media Introduced by NAA

WASHINGTON — The NAA has initiated the publication of an executive bi-weekly newsletter designed to acquaint CEO's with matters of interest to the ash industry.

The one-page summary will focus attention on a myriad of subjects. It is titled "News Briefs."

Distribution is limited to 152 non-member utility executives and 87 members of the Association.

Symposium Registration Opens; Fees Are Set

ORLANDO — A registration fee of \$340 has been set for the Seventh International Ash Utilization Symposium/Exposition to be held at the Sheraton-Twin Towers here on March 4-7, 1985.

The advance registration period closes on January 14, 1985 and after that date the fee will be advanced to \$390, according to the schedule released by the National Ash Association. (See schedule insert)

Attendees will receive a bound volume of the proceedings published by the Department of Energy, three luncheons, an Early Bird reception, and a gala mid-symposium social hour.

The NAA is co-sponsoring the technology seminar with seven other agencies including the American Public Power Association, Department of Energy, Edison Electric Institute, Environmental Protection Agency, Electric Power Research Institute, Federal Highway Administration, and National Coal Association.

An Official Call For Papers has been issued and 3,000 square feet of space has been reserved at the Sheraton Convention Complex for

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New Partnership Plan Seen With EEI, USWAG On Marketing Concepts

WASHINGTON — The expansion of the NAA's role in achieving a greater utilization of power plant ash and the development of a new partnership with the Edison Electric Institute and R.R.&U Committee of the Solid Waste Activities Group were listed as the major objectives of Chairman James P. Plumb's second term as chief executive officer.

In remarks at the Association's annual meeting in Washington, Plumb asserted the efforts of President Tobias Anthony during the past year "has led to a re-establishment of a Washington connection not only on Capitol Hill and with the regulatory agencies, but also with important allies - the Edison Electric Institute, USWAG, and Electric Power Research Institute."

"We now need to turn our attention to the things we do best and that is promoting the expanded utilization of our power plant ash all across the country," Plumb commented.

The Texas executive listed four primary steps to achieve his objective including the following:

1. Development and adoption of a five-year marketing plan;
2. An expanded membership to convince utility CEO's that the total utilization of power plant ash is a goal that warrants their investment;
3. Implementation of a coal combustion by-products communication project in cooperation with the Edison Electric Institute and the R.R.&U Committee of USWAG;
4. A re-direction of research undertaken by the ash industry.

President Anthony echoed Plumb's focus on marketing efforts.

He noted the industry now has "a strong technical base that is well documented but our weakness is that we have not communicated how to use that base to every possible candidate customer."

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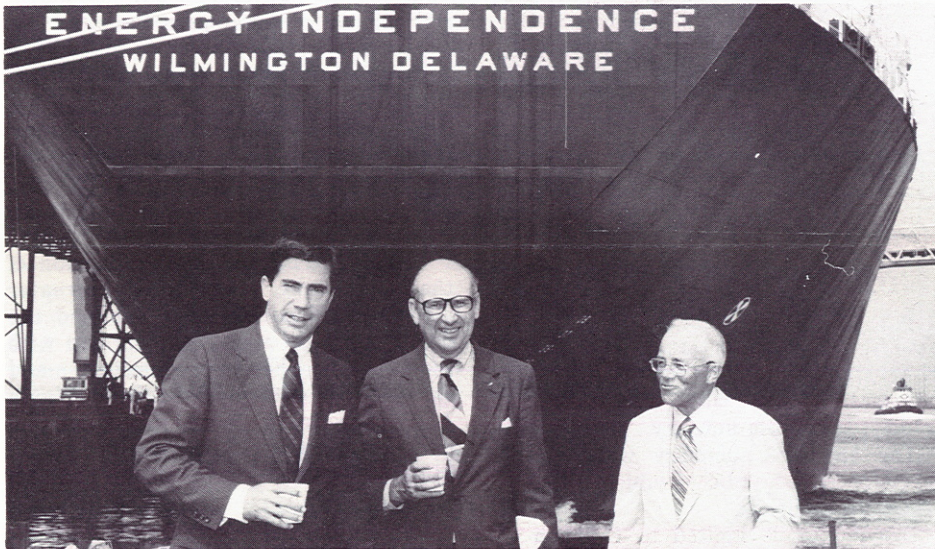


ASH AT WORK

James P. Plumb, Chairman of the Board

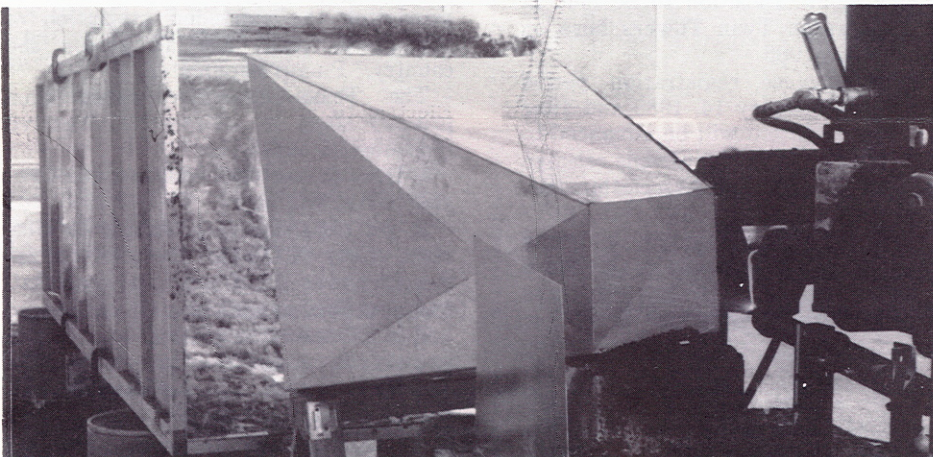
Allan W. Babcock, Editor

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COAL-FIRED SHIP IS LAUNCHED — The S.S. Energy Independence, the first coal-fired ship built in the United States in more than 50 years, has been placed in service to transport coal to New England Power Company's electric generating stations in Massachusetts. The 665-foot collier, commissioned by the utility and Keystone Shipping Company of Philadelphia, has a capacity to haul up to 40,500 tons of steam coal. It will annually move 2.4 million tons of coal from eastern coal terminals in Norfolk, Baltimore, and Philadelphia to the utility. The initial loading and maiden voyage was to Norfolk & Western Railway's coal piers at Lamberts Point. Officials on hand to welcome the vessel were (left to right) Governor Charles S. Robb of Virginia, N&W's Chairman Robert Clayton, and New England Chairman Guy W. Nicols.

(N&W photo)



MINERAL WOOL FROM BOILER SLAG — The Coal By-Products Utilization Institute at Grand Forks, ND is investigating the possibilities of making mineral wool insulating material from boiler slag produced by Minnkota Power Cooperative's Milton R. Young Station at Center, ND. The process is being tested in a small cupola furnace to simulate the fiberization to be ultimately achieved by tapping the molten stream of slag found at the bottom of a cyclone boiler at a power station. The pilot furnace, shown above, is re-heating the glassy slag, which is mixed with an organic binder and formed into balls. The balls are placed in alternating layers with coke, melted, and fiberized by a blowcap or later on, a spinning device to form the wool. Professor Oscar Manz is directing the program.

(Minnkota photo)

Israel Moving To Coal Generation

WASHINGTON — Israel is moving from oil to coal as the primary electricity generating fuel and currently sells all the coal ash produced to the cement industry, according to Zvi Rom, president of PETCo International, Ltd.

The energy consultant made his remarks as the luncheon speaker at the annual membership meeting of the National Ash Association.

Rom predicted that by 1990s, 90 percent of Israel's electricity will be generated by coal and Israel Electric will consume about 10 million tons of coal per year.

The country's first coal-fired station, located at Hadera, now produces about 420,000 tons of ash annually and when the fourth unit is on stream later this year the output will double. Additionally, a second power plant is currently under construction at Ashdod and a third coal-fired unit is on the drawing board.

Nesher Cement, the country's monopoly which owns four cement plants, consumes less than 50 percent of the ash in its cement production and is seeking other proven ways to utilize the coal ash, Rom explained.

"PETCo has been asked by Israel industry to investigate and bring ash utilization technologies that will not only mitigate the solid waste disposal problems of ash but allow it to be made into useful products as well," he added.

The introduction of Hadera's fourth unit will result in an annual fuel savings of \$120 million. Part of the coal is being supplied by U.S. interests.

Calendar of Events

June 12, 1984

Executive Committee, National Ash Association, 10 a.m., NAA offices, Washington, D.C.

Sept. 16-21, 1984

Second International Conference on Ash Technology and Marketing, London, England, sponsored by Central Electricity Generating Board.

New Partnership Plan

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Plumb and Anthony set a five-year goal of attaining a "million dollar annual budget." The present level is \$340,000.

The pair challenged the membership to consider it is on a mission that is extremely important to the electric utility industry by developing new and innovative marketing concepts emphasizing high volume applications and to raise their consciousness to the rising time bomb in current disposal practices.

HERE & THERE

MARIETTA, GA — The promotion of Lou A. Marcus to the position of President Ash Management Systems, Inc. has been announced by JTM Industries, Inc.

Located in Houston, TX, Marcus directs the firm's ash management program in concert with Houston Lighting & Power Company and Gulf States Utilities.

Power plant ash produced at the utility's coal-fired stations is being utilized in ready-mix concrete and concrete products, soil stabilization, and chemical fixation, and as an aggregate construction material.

* * *

WASHINGTON — Six eastern electric utilities have announced plans to convert previous oil-fired stations to coal-fired generation.

NAA President Tobias Anthony said Virginia Electric & Power Co. is the latest to disclose such steps. VEPCo is to switch two units of the dormant Portsmouth Station at Chesapeake, VA to the use of fossil fuel. Construction is to begin in 1985.

Two other NAA member companies, Orange and Rockland Utilities of Orange County, NY and United Illuminating Company of Connecticut, are to place their units into service in 1984. Two units at O&R's Lovett Station and United's Harlon Station were identified as having the potential to burn 500,000 to 600,000 tons of coal annually.

Others mapping conversion plans were said to be Central Hudson Gas & Electric Co. at its Danskammer Station, Montauk Electric Co. is also set to place two units at its Somerville Station on line in '84, and Boston Edison Company is finalizing a long-range program affecting its Mystic and New Boston stations.

Symposium Registration

(Continued from Page 1)

exhibits pertinent to the production, handling, and marketing of power plant ash and related products. Further details may be obtained by contacting the National Ash Association offices in Washington at 202/659-2303.

NAA Members and members of the Symposium Steering Committee are being solicited to come up with a descriptive and creative theme for next year's symposium. One free registration is being offered for the best entry. The deadline is June 4.



ASH SHORT COURSE



NAA/LSU ASH SHORT COURSE. The camera recorded the above candid photos of the 77 participants in the three-day Ash Short Course held last fall on the campus of Louisiana State University in Baton Rouge under the joint sponsorship of the National Ash Association and LSU Civil Engineering Department. Chairman Roger Seals (1), coordinated the technical sessions as he had done in previous programs at West Virginia University, Arizona State University and at LSU. The faculty included NAA members, visiting academics, highway engineers, and other ash industry professionals. One of the enrollees, Jim Conner of Bayou Ash Inc., (2) joined the NAA as a direct result of the short course.

(Louisiana Contractor Photos)

Columbus Skyscraper Utilized Fly Ash Concrete

COLUMBUS, OH — The 38-story Huntington Center office complex with related parking and hotel facilities here is being constructed with fly ash concrete employing a unique pumping method without the aid of any other admixtures.

Eight mix designs are being utilized on the project, depending on the required strengths, and all but one specified the use of fly ash concrete.

The lone exception was in a section of the footers where an early strength of 5,000 psi was needed. Standard mixes were used on the other foundations and the lightweight fly ash slurry was pumped to form the composite decks of all 38 stories and the roof.

A.H. Gibson of American Electric Power Service Corporation, who is supplying the fly ash from its Mountaineer and John Amos stations, said the pumped slurry method is the technique successfully employed on the John Hancock and Sears Tower buildings in Chicago.

By the time the project is complete an estimated 2,500 tons of fly ash will have been utilized by Arrow Concrete Company, Gibson noted.

Initially, the mixes called for 75 lbs. of fly ash per cubic yard but the amount of ash was increased to 100 lbs./cy and then to 125 lbs./cy to provide more lubrication to pump the concrete to greater heights. The vertical rise exceeded 400 feet on the upper floors of the complex.

The concrete pumping operation began in May 1983 and is continuing this spring on the parking garage and hotel phase of the project. An estimated 145,000 cubic yards of fly ash concrete will be utilized in the complex construction.

Gibson related that Arrow's testing program revealed no end product difference between the Amos and Mountaineer mixes. The switch was necessary while the Mountaineer Station was off line. Arrow has been an AEP fly ash customer since 1981.

Arrow did not utilize any admixtures other than fly ash even in cold weather and used no accelerant or chemical additive such as gypsum or calcium to increase curing.

"This was due to the low strength required and the fact the concrete is not subject to any structural loading," Gibson explained. The contractor did, however, heat the batch water in November and December.

The specs allowed a seven to nine inch slump at the hydraulic ram used to push the concrete slurry up the six-inch pipe and a three to five inch slump at the spout.

The work progressed at a rate of three



Pouring Floor Deck (AEP Photo)

floors every two weeks while floor decks were being poured.

The exterior is being finished with cut stone imported from Italy blended with black glass window panes. The construction program is a joint venture of Dugan & Myers Construction Co. and Best-Newbury Construction Co. while the firm of Skidmore, Owen, & Merrill Engineers, Inc. were the architects.

NAA Names Plumb

(Continued from Page 1)

size of its Executive Committee to 13 members. In addition to Messrs. Plumb, Bowdren, Dorsett, Morrison, Mullan and Weber the committee includes Craig Cain, American Fly Ash Company; DesPlaines, IL; David W. Parks, Baltimore Gas & Electric Co., Baltimore, MD; Paul Reinhardt, Wisconsin Public Service Corp., Green Bay, WI; C.E. Shelton, Virginia Electric & Power Co., Richmond, VA; Charles Tackett, Pennsylvania Power & Light Co., Allentown, PA; Barton A. Thomas, J.T.M. Industries, Inc., Marietta, GA; and Richard Waite, Utah Power & Light Co., Salt Lake City, UT.

Additionally, the Directors awarded voting rights to Class M members contributing \$2,500 or more in annual dues to the association.

An organization chart for the Association during the coming year is as follows:

1984-1985 ORGANIZATION CHART NATIONAL ASH ASSOCIATION, INC.

