Saylor Cement Museum Receives $100 000 Keystone Historic Preservation Grant

The Saylor Cement Museum, on North 2nd Street in Coplay, Pennsylvania, has received the Lehigh County Historical Society’s Keystone Historic Preservation grant. The grant project at Saylor will preserve collections at the museum through improvement of environmental conditions.

The Saylor Cement Museum is the nation’s only historic site devoted to the people and processes that made “liquid rock” a vital building material for the Industrial Revolution. Today the museum’s nine vertical Schoefer kilns, built in 1892 and 1893 by the Coplay Cement Company, are the only kilns of their type known to exist. Exhibits inside the museum discuss the cement-making process, David O. Saylor, who received the first U.S. Patent for Portland cement, the cement workers and working conditions, recent developments in the industry, and the importance of Lehigh Valley cement to the rest of the world.

The grant project’s objective of improving the environment at the site ensures preservation of the kilns and the cement collections. Originally, the kilns were encased in an outer structure, and they were continuously heated. When the kilns stopped producing cement in 1904 their heat source ceased. It is then that moisture problems began, which were further aggravated by removal of the outside structure. In 1975, the kilns were capped and waterproofed in an attempt to preserve them, and a museum space was created at the bottom by enclosing the space between the kilns and adding a Plexiglas roof. However, the environmental conditions created by this construction proved detrimental to the kilns as well as to the exhibits in the new museum area.

Over the past five years, the Lehigh County Historical Society conducted four surveys that included assessments of the Saylor Cement Museum. In 1989, an engineering survey produced an Emergency Stabilization Plan for Saylor. In 1991, the federal Institute of Museum Services funded an environmental survey at all historical society-administered sites. Each of these surveys applied the expertise of different specialists to the very complex problems at Saylor Cement Museum. Consensus was to introduce ventilation and heating systems, and retrofit waterproofing systems to provide enhanced environmental control and a drier environment within the complex.

The newly-funded environmental improvement project for the Saylor Cement Museum will implement a two-part plan. The first step involves correcting any problems of unwanted water sources and creating a sealed environment for the museum building. The second step involves modifying the HVAC system to control temperatures and humidity year-round.

The Saylor Cement Museum is open to the public for tours Saturday and Sunday, 1 to 4 p.m., May through September. For more information, please phone the historical society office at (610) 435-4664.

Call for Papers

Symposium on Design and Application of CLSM (Flowable Fill)

Papers are invited for a Symposium on Design and Application of CLSM (Flowable Fill), sponsored by ASTM Committee D-18 on Soil and Rock and its Subcommittee D18.15 on Stabilization with Admixtures. The symposium will be held June 20–21, 1997 in St. Louis, Missouri in conjunction with the June 15–18, 1997 standards development meetings of Committee D-18.

The objective of the symposium is to present new design procedures, new applications, and installation innovations for “Controlled Low Strength Materials (CLSM),” and to discuss the need for new ASTM standards. Also known as “flowable fill,” controlled density fill,” “soil-cement slurry,” and other names, this mixture of cementitious material, soil, water, and sometimes admixtures is used in place of compacted soil backfill. The most common use of CLSM is for buried pipe embedment and backfill because it significantly reduces the construction time.

Original papers are solicited on the following topics:

- **Mix Design and Ingredients**
  - types of soils or other materials, admixtures, new test methods, experimental results, use of recycled materials, bleed water control

- **Applications**
  - pipelines, tanks, structure backfill, new applications, specification language, need for design methods

- **Construction Control and Inspection**
  - new test or inspection techniques or methods, strength testing, flowability, set time, precision and bias values

- **Installation, Equipment, and Diggability**
  - innovations in installation methods and equipment, measuring diggability, flotation control, construction management

- **Case Histories**
  - cost studies, successes, failures, difficulties

- **Research and Development Needs**
  - needed design methods, applications, testing procedures, equipment

Prospective authors must submit a title, a 250 to 300 word abstract, and the ASTM Paper Submittal Form below by June 30, 1996. The abstract must include a clear definition of the objective and approach of the work discussed, pointing out material that is new, and present sufficient details regarding results. The presentation and manuscript must not be of a commercial nature nor can it have been previously published. Because a limited number of abstracts will be accepted, be sure that the abstract is complete to allow for careful assessment of the paper’s suitability for this symposium. ASTM may print and distribute the abstracts at the symposium with the approval of the symposium chairman.

The title, abstract, and the ASTM Paper Submittal Form should be submitted to Amster K. Howard, 1562 S. Yank Street, Denver, CO 80228; Tel: (303) 989-5187. Additional Paper Submittal Forms are available from Mr. Howard or from Dorothy E. Savini, Symposia Operations, ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; Tel: (610) 832-9677. Authors will be

notified of their papers' acceptance for presentation at the symposium by August 1, 1996, by Mr. Howard. Authors will be expected to give 20 to 25 minute presentations at the symposium.

While a Special Technical Publication (STP) based on this symposium is anticipated, the Committee on Publications (COP) will consider the final selection of abstracts for approval as a book. After the COP approves the publication of an STP, the ASTM staff will send you manuscript guidelines. All accepted manuscripts to be peer-reviewed for the STP will be due at ASTM by December 15, 1996. This date will be strictly enforced. Papers not received by the due date will not be published in the STP but may be forwarded to an appropriate ASTM journal for consideration by the journal editor.

The main author (the author corresponding with the ASTM publications staff) of each published paper will receive a complimentary copy of the STP. All published authors will have the opportunity to purchase reprints of their papers at a nominal cost.

More information is available from Symposium Chairman Amster K. Howard at the above address or from Co-Chairman Jenny L. Hitch, Pozzolanic International, Island Corporate Center, 7525 SE 24th Street, Suite 630, Mercer Island, WA 98040; Tel: (206) 232-9320, ext. 0031; Fax: (206) 232-9501.
The *Cement, Concrete, and Aggregates* (CCA) Journal is a biannual publication sponsored by ASTM technical committee C-1 on Cement and C-9 on Concrete and Concrete Aggregates, with support from C-13 on Concrete Pipe and C-27 on Precast Concrete Products. Each published paper and technical note has been peer-reviewed. Papers and technical notes are open to brief written comments in the Discussion section of the Journal, which also includes authors’ written responses.

The Editor-in-Chief may consider a paper submitted to the Journal as a Technical Note if: it gives a reasonably brief description of ongoing studies with or without providing interim, tentative data, and/or conclusions; it reports phenomena observed in the course of research requiring further study; it provides mathematical procedures for facilitating reduction and analysis of data; or it reports promising new materials prior to undertaking extensive research to determine their properties.

The decision as to whether a manuscript is published as a paper or a technical note resides with the Editor-in-Chief.

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An abstract of 100–150 words and a list of 5–10 keywords that can be used to index the manuscript are required.

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Commercialism is to be avoided by using generic terms whenever possible. Trademarks and trade names are to be capitalized if their use is unavoidable.

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Each figure is to be simple and uncluttered. All illustrations are to be placed together at the end of the manuscript with a separate sheet of figure captions. Consecutive Arabic (not Roman) numerals are required. The size of type in illustrations must be large enough to be legible after reduction. All lettering, lines, symbols, and other marks must be drawn in black India ink on white paper. Computer graphics must be produced by a laser printer. Photographs must be high-contrast black and white. SCALE MARKERS MUST BE SHOWN ON ALL PHOTOMICROGRAPHS AND ALL FIGURES THAT ARE REPRESENTATIONS OF EQUIPMENT OR SPECIMENS.

**Tables**

All tables are to be placed together at the end of the manuscript preceding the illustrations. Tables are to be numbered in Arabic and are cited in numerical order in the text. It is better to use several small simple tables than one large, complex table.

**References**

References shall be cited in the text by author’s last name and date of publication. References shall be listed together at the end of the text in alphabetical order by author’s last name. They must contain enough information to allow a reader to consult the cited material with reasonable effort.


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The author must submit four copies of the revised manuscript including an annotated (highlighted) version of the paper indicating clearly where each revision has been made and identifying the reviewer's comment to which the revision is responding.

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Dr. R. Doug Hooton
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