



## NJ Department of Transportation Office of Maritime Resources

### Pennsylvania Mines Demonstration Program

State's investment pays major dividend for the environment, marine transportation and Port commerce.

NJDOT's Office of Maritime Resources is pleased to announce the long-awaited decision by the State of Pennsylvania Department of Environmental Protection to permit the use of amended dredged material from the NY/NJ Harbor in mine reclamation projects. On March 2, 2004, Secretary Kathleen A. McGinty signed a permit that allows the Lehigh Coal and Navigation Company to use dredged materials in its reclamation of the Springdale Pit in Tamaqua, PA (right). The project is expected to require in excess of 10 million cubic yards of fill, much of which may be from the ongoing Harbor Deepening Project in the Port of NY and NJ and associated maintenance of the Port's navigational channels.



The Office of Maritime Resources is the agency responsible for the implementation of the 1996 Joint Dredging Plan and the 1996 Dredging and Harbor Revitalization Bond Act, which together provide over \$265 million for dredging projects and dredged material management research. In 1998, the Office of Maritime Resources, then in the Department of Commerce, entered into an agreement with Consolidated Technologies, Inc. and the City of Perth Amboy to evaluate the efficacy and economic viability of the use of amended dredged material in mine reclamation.



During the summer of 1998, approximately 19,000 cyd of sediment was dredged from the public marina in Perth Amboy, NJ, mixed with Portland Cement, and transported by rail for placement at the Bark Camp Mine Reclamation Laboratory in Clearfield County, PA (left). The total cost of the project, paid for with Joint Dredging Plan, Green Acres and City of Perth Amboy funds was approximately \$2 million. NJDOT and the Port Authority of NY and NJ provided an additional \$18.5 million to further evaluate and

refine the technology with the objective of securing State of PA approval for widespread use at abandoned mines in Eastern PA, closer to the Port. Over 350,000 cyd of dredged material from the Port Authority channels in Newark Bay as well as the Claremont Channel in Jersey City was used for the demonstration.

The State of NJ is an internationally recognized leader in innovative transportation solutions, including dredged material management. Other ongoing research is being conducted with the help of Rutgers University, Stevens Institute of Technology and private sector engineers and scientists in conjunction with agencies such as the USEPA and the US Army Corps of Engineers that will ensure that our investments in maritime transportation are maintained in a cost effective and environmentally sensitive manner.

