Dredged Material Beneficial Use Projects

Outside Ohio
Four Broad Categories of Uses

- Agricultural Uses
- Construction & Engineering Uses
- Product Uses
- Environmental Enhancement
Pennsylvania

้าน Bark Camp Run Demo

✓ Surface mine reclamation demonstration project
✓ New York Harbor dredged material
✓ Mixed with alkaline fly ash both before and after transport
✓ 550,000 cubic yards of material covering 15 acres
✓ Demonstration proved feasibility
Pennsylvania
Wisconsin

Highway 41 Project

Authorized for use as:

- Confined geotechnical fill
- Clay capped and side-walled transportation facility embankments
- Utility trench backfill
- Unconfined geotechnical fill

Listed as a potential borrow source on the contractor resource list for the project
Wisconsin

Cat Islands

- Multi-partner habitat restoration project
- Reconstructing three islands in the lower bay
- 272 acres of habitat
- Includes 2.5-mile long wave barrier
- Three islands will be built with dredged material – fine sands
Minnesota

Erie Pier Placement and Reuse Facility

Water Management is a Key Component.
New Jersey

Jersey Gardens Mall

- Newark Bay, south of the Port Newark/Port Elizabeth; 185-acres
- Municipal waste landfill, 1960 - 1972
- 1992 - Site purchased
- 850,000 cubic yards used as landfill cap and structural fill
- Blended with stabilizing agent
- Covered with 2 feet of clean soil, asphalt and buildings
- 1999 - Grand Opening
New Jersey

housing Eco-Block Manufacturing Technology

- Meets ASTM 1157 Standards for cementitious materials
- Potential uses:
  - Blocks for rest area buildings
  - Blocks for security walls
  - Blocks/Pavers for landscaped gardens

Materials:
- NY/NJ dredged material
- Flyash
- Sand
- Portland cement
- Glass
- Additives
Poplar Island

- Habitat restoration project; just off the Chesapeake Bay coastline, about 34 miles south of Baltimore

- Baltimore Harbor and channels dredged material

- Approximately 68 million cubic yards of dredged material will be placed to develop 735 acres of wetlands, 840 acres of uplands and 140 acres of open water embayment

- Through 2015, 232 acres of tidal wetland created and 27.7 MCY of dredged material placed at the project
Maryland
New York

Jamaica Bay Marsh Island

✓ Habitat restoration project; restoring the existing vegetated areas and the sheltered and exposed mudflats

✓ New York & New Jersey Harbor dredged material

✓ 2006 & 2007 - Elders Point East Marsh Island: restored 40 acres; hand planted more than 700,000 plants

✓ 2010 - Elders Point West Marsh Island; restored 40 additional acres; hand planted 200,000 plants
New York
Lew Galbraith Golf Course

- Large CDF created on footprint of golf course
- Slurried dredged material from the port was delivered to the site over a 3-year period
- Decanted water was discharged to San Francisco Bay
- Following treatment and drying in the disposal facility, new golf course constructed