

# BAYSHORE

Your recycling solution.



**Rutgers Office of Continuing Education**  
**Brownfields Drivers & Challenges**  
**Obstacles and Pathways for Beneficial Reuse**  
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# BAYSHORE

Your recycling solution.

- ♻️ One of New Jersey's Largest Approved Recyclers!
- ♻️ Permitted to Accept Over 10,000 Tons Per Day of Secondary Materials
- ♻️ In Middlesex County Plan for 12,600 Tons Per Day
- ♻️ Superior Access Via Road, Rail and Barge
- ♻️ Ultimate Vision to "Build-Out" our 58 acre Eco-Complex and Energy Campus
- ♻️ Corporate Goal: Operate 100% Green Businesses Powered 100% By Renewable Energy

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Your recycling solution.

- ❧ 2,500 TPD Concrete, Asphalt, Brick or Block and Glass Cullet
- ❧ 4,500 TPD Petroleum Contaminated Soils
- ❧ 1,000 TPD of Mixed C&D/Bulky Waste/Type 27
- ❧ Recovered Scrap Metals
- ❧ Dredge Material Management for Beneficial Use
- ❧ 500 TPD of Source Separated Food Waste
- ❧ 1,000 TPD of Class A Materials
- ❧ 100 TPD of Clean Wood or Industrial Slag
- ❧ Consumer Electronics Large Quantity Handler
- ❧ Water Treatment Plant Residual & Street Sweepings





Driscoll Bridge (Rt. 9 & GSP) >

Raritan River

Dredge Processing >

Woodbridge  
DPW

Class B

Soils Facility >

< TS/MRF

Class A

< Coastal Metals

Scale House >



# Operating Recycling Facilities in NJ!

- ▶ Very Complicated Business! Chasing Arrows Must All be in Place of Collection, Processing & Markets!
- ▶ Image of Recycling – Floor of NY Stock Exchange;
- ▶ Class B World Extremely Competitive with 122 Approved Facilities;
- ▶ Unpredictable Competition From Limited Class B's;
- ▶ Margins are Not Great in Marketing Materials;
- ▶ Public Policy Contradicts Itself Between DEP Programs;
- ▶ Three Different Stories in “Pathways & Obstacles”:
  - Soil Recycling a Model of Success;
  - Asphalt Recycling Has Greatly Improved;
  - Concrete Recycling Has Gotten Worse!

# Pathways: Positive Experience

- ▶ Anecdotally, LSRP Program Working Well, Clean-ups Being Approved, Material Moving!
- ▶ Entire BDA Concept Working Well;
- ▶ Woodbridge BDA a Classic Example;
- ▶ Competitive Power Ventures Project:
  - 700 Megawatt Natural Gas Power Plant on 27.5 Acres;
  - Clean Energy for 700,000 Homes;
  - Brought 60,000 Loads of Material;
  - 180 Acre Wetlands Park: Link to High School Greenhouses
- ▶ Good Dialogue and Cooperation From DEP

# Pathways: NHPCS

- Acceptance of Non-Hazardous PCS a Model of Success;
- Clean-Up Standards are Clear and Predictable;
- Extremely Heavy Duty Analytical Testing Up Front;
- Analytical Testing of Outbound Materials As Well;
- Extensive Knowledge of Generator Sites;
- Use Testing Protocols and Manifest All Materials Cradle to Grave;
- ONLY Send Treated Materials to In-State and Out-of-State Regulated Sites (Landfill Cover and Brownfields);
- Our NJDEP Permit is our Livelihood – Off-Site Liability and Regulatory Compliance is Job #1!!!

# Pathway & Obstacles: Asphalt

- ▶ Historic Problems with Asphalt Millings and Lack of Clarify on End Uses from a Class B Facility;
- ▶ Fill Material Guidance for SRP Sites Represents an Improvement;
- ▶ Section 4.15 “Asphalt Millings” *may be used as subbase aggregate under roads or parking lots as well as embankments of major road systems.*”
- ▶ DEP Building Same Language Into Approvals;
- ▶ Deed Notice Required (standard) and “The Like-on-Like and 75<sup>th</sup> Percentile requirements do not apply.”
- ▶ This type of “Categorical Use” Approval is helpful to providing outlets for recycled asphalt pavement.



# Obstacles to Concrete Recycling

- ▶ April 2015 Fill Material Guidance for SRP Sites Puts a Damper on Concrete Recycling;
- ▶ Section 4.12 “Recycled Concrete and Class B Recyclables;”
- ▶ Notwithstanding Solid Waste Law, SRP Definition of Clean Fill Trumps Exemptions;
- ▶ Determinations become “Case-by-Case” and up to an LSRP – so no predictability on End Use;
- ▶ Additional “Testing” imposed by conservative LSRP’s becomes a major issue with Customers (who pays?);
- ▶ Potential to Significantly Impact the Economics of Concrete Recycling – Pushing Material to Landfills

# Recommendations

- ▶ For Concrete, a Categorical Use Exemption like that of Asphalt is Needed;
- ▶ Need Better Integration between Solid Waste and SRP Programs to Advance Public Policy Goals and not “Whipsaw” Regulated Facilities;
- ▶ Need both Trust and Proper Oversight of Regulated Facilities for a Level Playing Field;
- ▶ State Leadership as with Governor Florio Executive Order 91 on Procurement and Corzine Order #11