Environmentally Sound Solutions to Solid Waste Challenges Since 1995
Atlanta-based consulting firm founded in 1995—dedicated to environmentally sound solutions to solid waste challenges including composting & recycling
Composting at Georgia’s Prisons
Georgia Department of Corrections (GDC) Chooses Composting

- GDC sewerage treatment plants under consent order from Georgia EPD
- Local landfills banned food waste
- GDC chooses composting prison food waste
1990 Georgia Solid Waste Management Act

- 25% municipal solid waste diversion goal
- Yard trimmings banned from public landfills
- Cities and counties forced to seek alternatives to landfill
Composting

• Nature’s Recycling Process
• Economical
• Environmentally Friendly
• Low Tech
• Produces a 100% Usable & Valuable By-Product
Nine Compost Operations

- Nine Food Waste Compost Operations
- Process Food Waste from 19 GDC Prisons & Facilities
- Yard Trimmings & Wood Waste from Local Area
- Partnerships with 14 Municipalities, Counties & State Agencies
Community Environmental

- Consultants
- Characterize Waste Stream
- Environmental Site Assessment
- Secure Permitting
- Specify Equipment
- Technical Assistance
- Compost Training for Personnel
- Project Monitoring, Oversight & Troubleshooting
GDC Compost Operations

- Dooly State Prison, Unadilla
- Georgia Diagnostic & Classification Prison, Jackson
- Hays State Prison, Trion
- Lee State Prison, Leesburg
- Phillips State Prison, Buford
- Rogers State Prison, Reidsville
- Telfair State Prison, Helena-McRae
- Valdosta Partnership, Valdosta
- Washington State Prison, Davisboro
Nitrogen
Nitrogen
Carbon
Carbon
Air
Air
Moisture
Moisture
Temperature
<table>
<thead>
<tr>
<th>Program Regionalized to Include:</th>
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<tbody>
<tr>
<td>Autry SP</td>
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<td>Calhoun SP</td>
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<td>Wilcox SP</td>
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<td>GDC Canning Plant</td>
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Food Waste Diverted FY 2007

- **4,974** Tons Diverted
- **17,807** Tons of Yard Trimmings & Wood Waste Processed
- Food Waste Diversion Cost Savings **$198,960.00**
- Value of Finished Compost **$455,620.00**
Windrow Composting
Equipment
GDC Compost & Recycling Programs
Tractor
Tractor
Tractor
Compost Turner
Compost Turner
Compost Turner
Mixer Wagon
Mixer Wagon
Mixer Wagon
Mixer Wagon
Chippers & Tub Grinders
Chippers & Tub Grinders
Facilities
Facilities
Facilities
GDC Recycling Program
GDC Recycling Program

- 39 GDC Prisons & Facilities Served
GDC Recycling Program

- Cardboard
- Steel Cans
- Scrap Metals
- Aluminum
- Wood Pallets
Cardboard
Steel Cans
Aluminum
Wood Pallets
Scrap Metals
FY 2007 Recycling Revenue

- $75,067.45 Received for Recyclables
- Recycling Revenue Retained at Each Prison to Support Composting & Recycling Efforts
- $44,000.00+ Diversion Cost Savings
GDC Composting & Recycling Benefits

- 60% Average Reduction in Waste Disposal Costs Through Combination of Food Waste Composting & Recycling
GDC Composting & Recycling Benefits

• Total Composting & Recycling Diversion Cost Savings
  $955,480.00
GDC Composting & Recycling Benefits

- 23,887 Tons Food Waste & Recyclables Diverted in FY 2007
Awards

- 1998 & 2002 Georgia Governor’s Award for Pollution Prevention
- 2002 Air & Waste Management Assoc. Environmental Award