



Resource
Conservation
Challenge (RCC)
Tire Workgroup
Civil Engineering
Subcommittee

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Subcommittee Members

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- ◆ **Michael Blumenthal, RMA**
- ◆ **Toni Duggan, NM**
- ◆ **Terry Gray, TAG Resource Recovery**
- ◆ **Jason Harrington, Federal Highway Administration**
- ◆ **Dr. Dana Humphrey, Univ. of Maine (Orono)**
- ◆ **Todd Marvel, IL (Chair)**
- ◆ **Gregory Vickrey, Central Vermont Solid Waste Management District**
- ◆ **Bill Vincent, Tire Gator**



Recommendation Paper (Final Draft)

- ◆ Intro/Background
- ◆ Five Primary Categories of CE Applications
- ◆ Market Projection/Documentation Inventory
- ◆ Barriers
- ◆ Recommendations
- ◆ Resources



5 Primary Categories of CE Applications

- ◆ Road construction
- ◆ Landfill construction/remediation
- ◆ Septic field drainage medium
- ◆ Railroad (vibration damping layer)
- ◆ Residential foundation wall backfill



Market Projection/Documentation Inventory

- ◆ Currently 19% of Annual Generation (US)
- ◆ 25% of Annual Generation by 2008 (US)
- ◆ Inventory of Documentation on CE Applications (USEPA RCC web site)
- ◆ Inventory would include available data and project list



Barriers

- ◆ TDA vs. Solid Waste (permits)
- ◆ Experimental applications vs. Standard applications (project fee)
- ◆ Improper stockpiling of TDA/state cleanup



Recommendations

- ◆ Showcase/promote/encourage/endorse CE applications
- ◆ Develop summary of data on water quality & environmental toxicology
- ◆ Develop model guidelines and specifications on regulatory permitting issues
- ◆ “Toot our horn” – solicit publication of success stories in trade magazines, academic publication, and mass media publications



Recommendations (continued)

- ◆ Coordinate w/FHA, USDOT, FRA to encourage and promote CE applications
- ◆ Work w/NCHRP to implement CE applications in their Standard Practices Manual
- ◆ Prepare summary of technical and economic merits of TDA use in septic system drainage fields to foster better evaluation and education in field

Resources

- ◆ CE Subcommittee is developing recommendations for effective use of available resources (laboratory, research-based testing, contractual funding)
- ◆ Develop fact sheets and informational packets for state and federal DOT officials
- ◆ Continuous monitoring of issues involving CE applications of TDA that may threaten its use
- ◆ Dynamic recommendation paper, revisit and update paper annually

