

Overview of C&D Recycling in the Region



What CAN Be Recycled?

- Dirt
- Cardboard
- Drywall
- HDPE (5 gallon buckets)
- Clean white wood
- Metal
- Brick block and concrete
- Vinyl siding
- Asphalt shingles
- Carpet (residential)
- Ceiling tiles
- Single stream mix (paper, plastic drink containers, aluminum cans)

What CAN'T Be Recycled?

- Pressure treated lumber
- Painted, laminated wood
- Stained particle board
- OSB lumber
- Painted, wall-papered, wet drywall
- Broken glass windows
- Solid paint in buckets
- Telephone poles
- Railroad ties

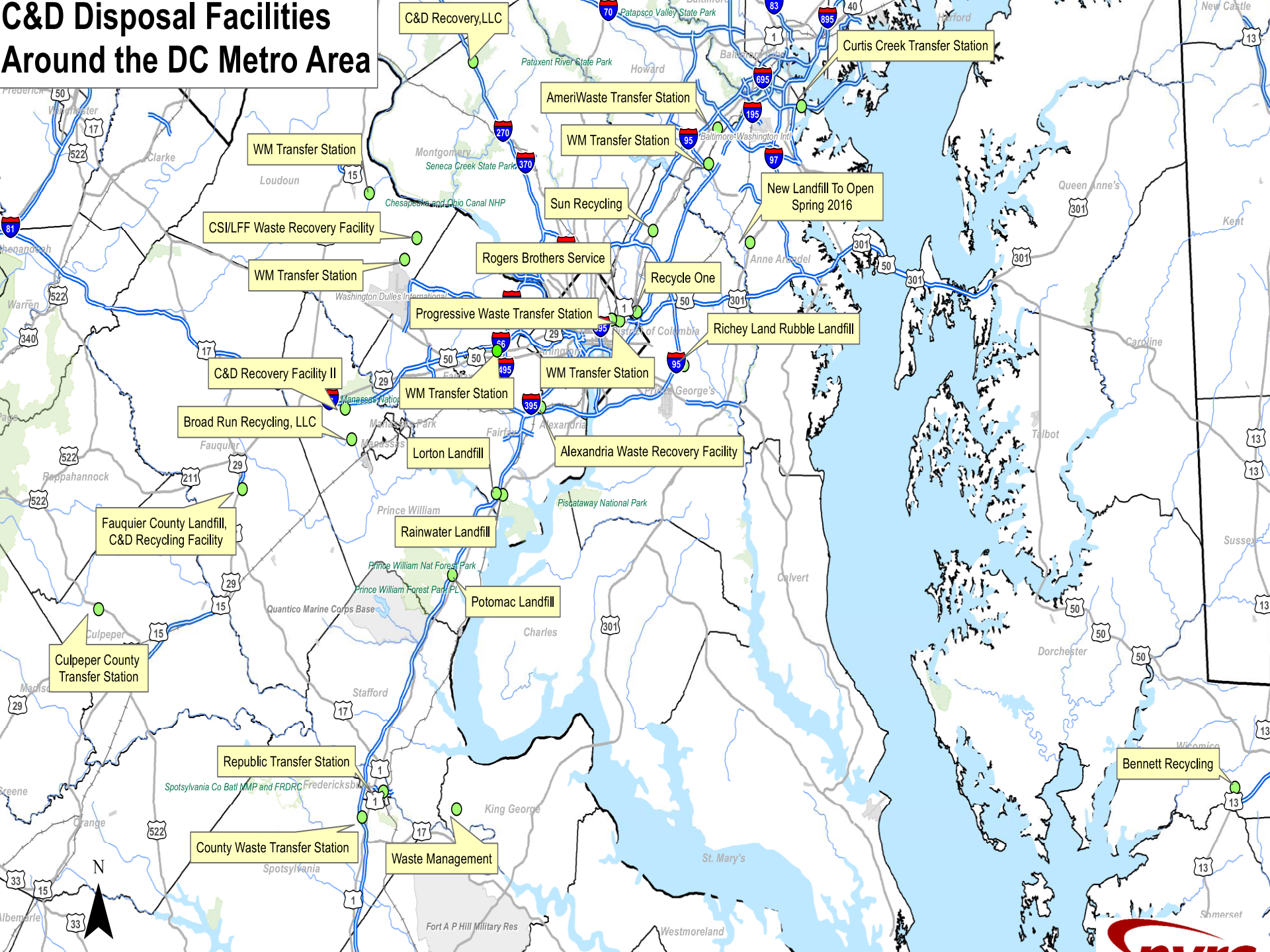
- 27 Metro area C&D disposal Facilities
- 15 Transfer stations
- 6 Landfills
- 6 C&D Recycling Facilities

Dump trucks (dirt) can vary widely depending on the dirt project around the Metro area. We need a ***regional dirt processing*** site for dirt to be screened and sold back out (recycled).

Recycling Facilities have a finger screener, magnets, and raised picking stations

- Broad Run
- C&D Recovery I
- C&D Recovery II
- Sun Recycling
- Bennett Recycling
- Fauquier County

C&D Disposal Facilities Around the DC Metro Area



Landfills

- Lorton
- Waste Management
- Richey Rubble
- Potomac Landfill
- Rainwater
- Fauquier County

There are also two new C&D landfills coming on line in Md. One requires “Certified” C&D recycling system in conjunction with its permit.

Transfer Stations

- Curtis Creek
- Ameriwaste
- WM-Laurel
- Rogers Brothers
- Progressive
- WM-DC
- WM-Merrifield
- Alexandria Waste
- Republic- F-Burg
- County Waste
- Culpeper County
- WM- Moran Rd
- CSI/LFF Waste Recovery
- WM-Leesburg
- Recycle One

Benefits of C&D Recycling

- Sustainable for life
- Employs 3x amount of people as transfer station or landfill
- Does not produce Leachate
- Dust and noise contained inside building
- Small footprint
- Does not produce Methane gas
- “Green” - Saves the environment
- Reduces carbon footprint
- Creates new markets for new products thus more jobs
- Contains leaking fluids from trucks via oil-water separators
- Attractive to the public – Recycling is “good”

C&D Recycling is profitable

- Equipment purchased without sales tax
- Commodity values help offset operating costs
- No closure costs to set aside
- Technology improvements continue to lower labor costs
- Creates downstream opportunities i.e. wood pellets from dimensional lumber

Products manufactured from C&D recycled materials

- Fines/dirt
 - Medium grade Top soil
 - Fill dirt
 - Build berms

Products manufactured from C&D recycled materials

- Cardboard
 - New cardboard
 - Additional paper products

Products manufactured from C&D recycled materials

- Metal

- New metal products

Products manufactured from C&D recycled materials

- Wood
 - Colored mulch
 - Boiler fuel
 - Wood stove pellets
 - Animal bedding
 - Compost additive

Products manufactured from C&D recycled materials

- Aggregates
 - Building road beds
 - Use as base under pipes for leveling
 - Patio, parking lot, and sidewalk base

Products manufactured from C&D recycled materials

- Plastic HDPE buckets
 - Used in plastic extrusion machines
 - Car bumpers
 - Construction fencing
 - Park benches

Products manufactured from C&D recycled materials

- Residual waste
 - High BTU value for Co-Gen facilities
 - Plastics
 - Paper
 - Wood
 - No odor
 - Material already sized for easy boiler delivery

Business opportunity in DC Metro area

- DC has more LEED building square footage per capita than another city in US
- More LEED points can be obtained from C&D recycling for than any other single opportunity
- Receive an additional point by using the pilot point credit for using a 3rd party certified facility

Current C&D Recycling in the Metro area is unaudited, allowing producers of reported data to interpret it as they want.

Solution: require C&D Recycling facilities to be “certified.”

www.recyclingcertification.org.

What is RCI Certification?



The Construction and Demolition Recycling Association (CDRA), established the Recycling Certification Institute (RCI). With US Green Building guidance and participation, the CORR protocol was developed with input from the building and construction industry, haulers, recyclers and govt. RCI uses CORR to provide independent, third-party reviews of facilities.

Why is Certification Important?



-- “Truth in advertising” --

Transparency -- Level playing field --

Points under USGBC LEED -- Local
Govt – ordinance variations

Construction and Demolition Recycling Association (CDRA), membership

- I'm the newly elected President for two years
- Annual government agency membership, \$245
- 285 current members
- “White paper” available to agencies on the benefits of C&D Recycling in the US
- Free subscription to C&D World allows you to follow the industry throughout the country

THANK YOU!

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RECYCLING
CERTIFICATION
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