

RECYCLING CERTIFICATION INSTITUTE

DC COG Recycling Committee 3rd Party C&D Recycling Certification July 16, 2015

Stephen M Bantillo
Executive Director
Recycling Certification Institute



Overview & Objective of RCI/CORR

- 3rd-party C&D facility certifications
- Protocols developed with industry input
- RCI protocols, procedures, and methodologies

How Does CORR Work?

- Facility first Registers with RCI, then submits “Application for Certification”
- RCI Pre-qualification
- Trained RCI Evaluators, independent, third-party firms
- Evaluators, using RCI Protocols evaluate the processes, records, and reports of the facility.

Risk Based Evaluation

- Permits
- Frequency of Scale Calibration
- Training of Facility Personnel
- Maintenance/Operation of Equipment
- QA/QC of Data Collection Process
- Data Management
- Data Calculations
- Markets and Sales of Materials

Types of Certification

- FULL / CONDITIONAL
- MIXED C&D or SINGLE MATERIAL
- MSW and MIXED C&D COMBINED
- Application Process....

NEW!

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Audited. Validated. Certified.



Certification Process



Requirements



Get Started

Welcome to RCI

The re-use of Construction and Demolition (C&D) waste materials reserves more raw

Latest News

RCI's Executive Director to appear
on TalkWithGreenGuy.com

Registration / Certification

- **REGISTRATION** allows a facility to upload its information
- *Not Audited, only self-reported*
- **CERTIFICATION** includes audited/verification and evaluation of data and operational processes

Certification

Following Registration...

- Application for Certification
 - Narrative, Spreadsheets, Data files
- Reporting
 - Monthly, Warning Notices, Public Access

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Certified Facilities



The recycling firms in this list have been evaluated by third-party evaluators and are certified as reporting accurate, transparent, and reliable recovery, use and recycling rates according to the protocols and standards of the Recycling Certification Institute.

additional LEED Pilot Credit point. RCI's CORR Protocol meets the requirements of this Pilot Credit.

RCI Certified Facilities/Lines

A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S - T - U - V - W - X - Y - Z

View By State

FACILITY NAME	CONTACT INFORMATION			
Broad Run Recycling 5220 Developers Drive Manassas, VA, 20109 www.broadrunrecycling.com	Kevin Herb ☎ 571-252-5333 KHerb1956@aol.com			
PROCESSLINE	REVIEWED BY	12 MO ReC	12 MO ReC	REPORTS
		KATE	KATE	
		AVG	AVG	
		WIADC	WDIADC	
Mixed C&D Recycling	Stephen Bantilo 10/01/2014	98.35%	98.35%	View Report Evaluation Report
Dem-Con Recovery & Recycling, LLC 13020 Dem-Con Drive Shakopee, MN 55379 www.dem-con.com	Ben Wetzell ☎ 952-224-7111 benwetzell@dem-con.com			

Latest News

RCI's Executive Director to appear on TalkWithGreenGuy.com November 4th

Posted on November 4, 2014

Tune in tonight, Ted Roan, Green Director of YouthBuild talks about how they take "at risks" 16-24, help them get their GED's while they work full time building affordable energy efficient homes "greening" communities across the country. Then, Executive Director, Stephen Bantilo, of the Recycling Certification Institute takes us inside the world of C&D (construction ...

[Read More](#)

RCI and Green Halo Systems at Greenbuild 2014 in New Orleans

Posted on October 20, 2014

Are you going to Greenbuild in New Orleans? RCI and Green Halo Systems will be there! Please be sure to stop by and see us in Booth 1416 in the Exhibit Hall. We're excited to be able to provide demonstrations on our reporting/tracking systems as well as discuss the new LEED Pilot Credit (MRpc37) for ...

[Read More](#)

Now is the Time to Get Certified, Before the Competitors Do

Posted on August 28, 2014

Guest article in the July/Aug 2014 edition of C&D

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Florin Perkins Public Disposal Site

4201 Florin Perkins Road

Sacramento, CA 95826



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Aaron French

 916-443-5120

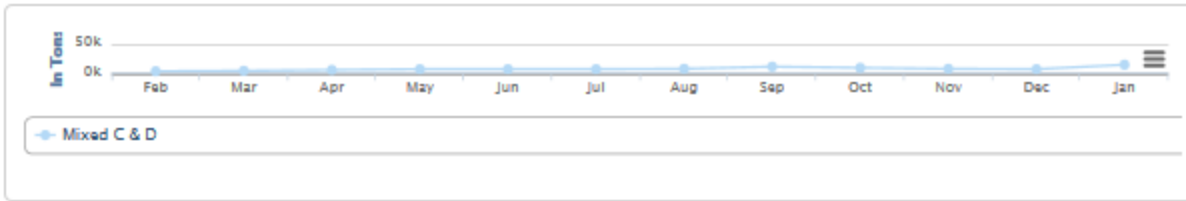
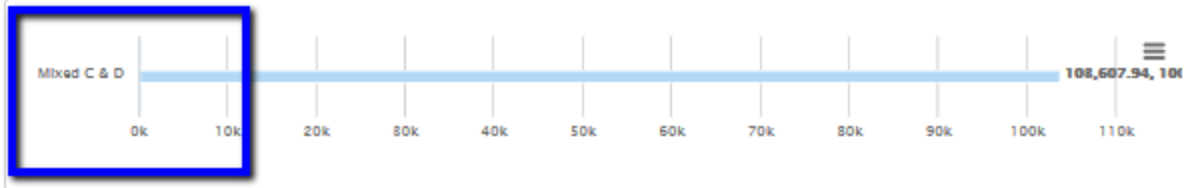
aaron@zankerrecycling.com

PROCESS/LINE	REVIEWED BY	12 MO REC RATE AVG W/ADC	12 MO REC RATE AVG WO/ADC	REPORTS
C&D Sort Line	Stephen Bantillo 08/04/2014	82.18%	62.56%	View Report Evaluation Report



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Inbound Materials

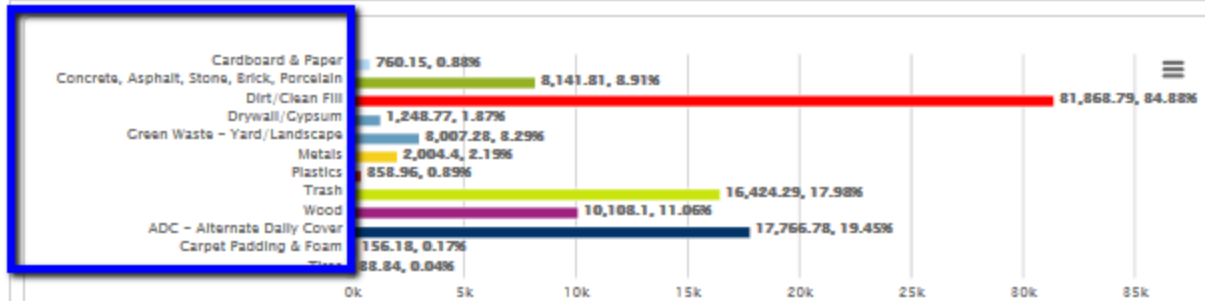


Facility Data for: Feb 2014 - Jan 2015

12 Month Recycling Rate Average 82.06%

Materials	2014												2015
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	
Mixed C & D	4,457.78	5,247.52	6,840.84	7,945.79	8,018.24	7,985.28	8,698.94	12,109	10,280.78	8,670.26	8,051.45	15,857.61	
TOTAL	4,457.78	5,247.52	6,840.84	7,945.79	8,018.24	7,985.28	8,698.94	12,109	10,280.78	8,670.26	8,051.45	15,857.61	

Outbound Materials



Evaluation Report

- Facility Overview
- Regulatory Compliance Test
- Use of Scales
- Supporting Data for Rate Calculations
- Data Transcription and Management
- Individuals Properly Trained
- Performance Standard Test (5%)
- Evaluation Statement Overview

Certification / Re-Cert Cycle

- Certification for 5-years
- Initial Certification Year 1
- Recertification Years 2 – 5
- New Certification Year 6

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What Has Happened Since Last We Met?

- Development of OH Specific Protocol
- Development of New Sampling Protocol for MSW Facilities Processing Mixed C&D
- Certifications, Registrations, and Interest
- USGBC LEED Pilot Credit Point
- Local Government Developments & Support

Development of OH Specific Protocol

- CDAO / OH EPA Grant
- Addendum to CORR Protocol
- OH-Specific Evaluator Training
- Additional Conditions

Certifying MSW/C&D Facilities

- Facilities handling MSW and C&D
- C&D is extracted from MSW line and added to C&D line (w/o measurement)
- CORR Protocol calculates C&D recycling rate based on all incoming materials
- Need to accurately represent the C&D line performance

CORR Sampling Protocol

- Statistical Validity / Reliability / Confidence
- StopWaste Grant / Cascadia Consulting
- Stakeholder Process
- Maintain ISO-level for bodies operating product certification systems and certifying products and services

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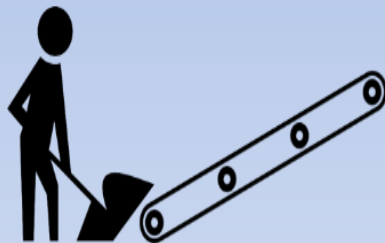
Sampling Protocol

1. Select and weigh
incoming loads

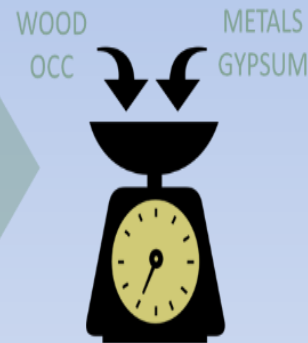
30 incoming loads



2. Process material in
incoming loads



3. Weigh recovered C&D
recyclables



Conduct Analysis

Calculate overall facility C&D
recovery rate



$$\frac{\text{weight of recovered material}}{\text{weight of incoming mixed C\&D loads}}$$

Sample Cycle & Reporting

- Sampling Event includes 30 loads min 100 tons
- Weighing all C&D recyclables of recovered and residual samples
- Sixteen Sampling Events over a 5-year period
- Quarterly Reporting* - Per Sampling Event

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Certifications, Registrations, Interest

CERTIFICATIONS

- CA - 7 + S
- MN - 2
- NY - 1
- VA - 1
- WA - S

REGISTRATIONS / INTEREST

- AZ, CA, CT, FL, IL, MD,
MO, OH, TX

USGBC LEED Pilot Credit Point

- MRpc87 v3 and v4
- Approved May 2014
- Additional Pilot Credit Point for LEED projects taking materials to approved 3rd party-certified facilities
- <http://www.usgbc.org/node/4717858?return=/credits>

Local Government Developments

- City of Austin, TX
- Park City, UT
- OH EPA / Cuyahoga County
- San Francisco Bay Area

Key Benefits

- Independent and Objective Assessment and Performance Audit + Evaluation Report
- Competitive Advantage -- Level Playing Field
- Enforcement
- Local Govt – Ordinance Variations and Reporting
- USGBC LEED Pilot Credit Point

Information

- stephen.bantillo@gmail.com
- <https://www.recyclingcertification.org/>
- <https://greenhalosystems.com/>