



MassDEP C&D Subcommittee

Via Zoom Webinar

October 1, 2024

10:00 AM – 12:00 PM

Agenda

- Welcome
- C&D Annual Report form improvements
- MassDEP Program Updates
 - Recycling Market Development Work Group
 - Deconstruction Work Group
 - C&D Process Separation Rate incremental increases
- Announcements

Welcome

- 54 Registrants on the Zoom call as of 10/01/2024
- Representing the following categories of stakeholders
 - C&D Facilities/waste haulers: 12 (9/3)
 - Recyclers/Energy recovery facilities: 4
 - Reuse Store: 1
 - Construction/Demo Contractors: 8 (7/1)
 - Consultants/Architects/Designers: 1
 - Manufacturers: 2
 - Trade Associations: 1
 - Government Agencies (States/Municipalities): 4 (3/1)
 - NGOs/Academia: 3 (3/0)

C&D annual report form improvements

Conduct workshop to improve C&D facility annual report form submittals

- Suggested improvements based on input from:
 - MassDEP observations/experience
 - Best practices in surrounding states
 - Construction managers observations/experience
- Conduct a workshop with stakeholders
 - Draft 1st set of revisions during a workshop in October
 - Obtain internal management approval in November/December
 - Revise annual report forms/instructions by year end 2024
- Strive for continuous improvement
 - Evaluate effectiveness of revisions (mid-year 2025)
 - Draft further refinements

MassDEP Observations/Experience

Suggested Improvements:

- Existing 5-page instructions document contains three sections:
 1. Obtaining Forms
 2. Reporting Process
 3. Conversion Factors and Material Types
- Develop more detailed guidance in “Reporting Process” section
 - Ensure greater consistency and precision

Instructions for Annual Solid Waste Facility Report – Construction and Demolition Processors and Transfer Stations	
Reporting Process	
Important	If your facility accepts both Construction and Demolition Waste and Municipal Solid Waste you must report these separately in the Solid Waste Facility Report in Sections C and D.
Facility Identification	Fill in all information on page 1.
Signature	Sign and date the Form at the bottom of Page 1.
Due Date	Construction and Demolition Processing and Transfer Station Annual Report Forms are due by February 15.
Mailing to DEP	Complete and Return this form via the web based upload portal (Compliance Reporting System) by February 15 to: (Use the weblinks provided): Link to the MassDEP information page about the upload portal which contains a link to the upload portal: https://www.mass.gov/info-details/compliance-reports-upload-portal Link to the upload portal called the Compliance Reporting System: https://ecaonline.eca.state.ma.us/EEA/ComplianceReport/
Questions	Contact Eshua Mbua at MassDEP in Boston at eshua.mbua@mass.gov

Excerpt of Existing instructions
“Reporting Process” pg. 2 of 5

MassDEP Observations/Experience

Suggested Improvements:

- For C&D materials accepted (Table C.1)
 - Require break-out of source separated materials accepted
 - Require break-out of inbound Category-2 Residuals showing quantities and facilities of origin

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention
Solid Waste Facility Report - Construction & Demolition Processor or Transfer Station

C. C&D Operations

1. C&D Materials Accepted

Please record the tons of Materials Accepted by each Material Type for each State of Origin. Next, sum each Material Type into the TOTALS column, then sum that column into the Total Accepted box. For Material Type definitions refer to the Material/Waste Type Table on pages 3 - 5 in the accompanying "Instructions for Annual Solid Waste Facility Report - Construction and Demolition Processors and Transfer Stations".

- Round all amounts to the nearest ton. If any material type is less than 0.5 tons, do not include that material.
- No NOT include Municipal Solid Waste accepted in this table.
- Do NOT include any waste oil or household hazardous waste/products.
- If the state of origin is not listed or an additional state is needed, fill in the blank column or cross out a state in an unused column and fill in the other state.
- If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused material type and fill in the other material name.

Material Type	State of Origin							TOTALS
	MA	CT	ME	NH	NY	RI	VT	
Asphalt/Brick/Concrete								
C & D WASTE								
C & D WOOD								
C & D RESIDUALS								
CRTs/ELECTRONICS/COMPUTERS								
CLEAN GYPSUM WALLBOARD								
METALS								
TIRES								
CLEAN WOOD								
BULKY WASTE								
OTHER:								
OTHER:								
OTHER:								
OTHER:								
Total								

Existing Table C.1.

Suggested Improvements:

- [illegible]

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MassDEP Observations/Experience

Suggested Improvements:

- Report mass balance summaries for C&D and MSW separately
- Report beginning/ending inventories
- Report estimated tonnage of crossover of different waste types (e.g., MSW vs. C&D) in mixed loads separated on tip floor
- Report volume/weight of water used for misting/dust control when major source of mass balance discrepancy

Massachusetts Department of Environmental Protection Bureau of Waste Prevention		
2012 Solid Waste Facility Report - Construction & Demolition Processor or Transfer Station		
4. Compare Totals		
Line 1	Enter the amounts listed in the Total Accepted boxes on pages 3 and 7 (if applicable)	
Line 2	Enter the amounts in the Total box under Materials Recycled/Reused on page 4 and total diverted on page 8 (if applicable)	
Line 3	Enter the amount in the Total box under Materials Transferred on page 5	
Line 4	Enter the amount in the Total box under Materials Disposed on page 6 and 9 (if applicable)	
Line 5	Add Lines 2, 3 and 4	
Line 6	Subtract Line 5 from Line 1, if the result is zero skip to part E	
Line 7	Divide Line 6 by Line 1 and multiply by 100	%
If Line 7 is greater than 1% or less than -1%, explain the difference in the Discrepancy box below. Attach another sheet if needed.		
Discrepancy Explanation:		

Existing combined mass balance work sheet

Construction Managers Observations/Experience

- A number of construction managers from large construction firms have raised concerns about C&D Annual Report Form
 - Need for greater accuracy and precision
- These firms are customers of the C&D processing facilities

Construction Managers Observations/Experience

- Continuity between...
 - MassDEP SWFAR form
 - Signed letters for C&D-processing facilities' annual diversion rates
 - 3rd-party verification (RCI)
- What is the intent behind transfers?
 - Recycled?
 - Further Processing?
- Overutilization of "C&D Waste" line item
- Ultimately, better data management leads to...
 - Better understanding of waste generated in demolition/construction
 - Improved waste diversion within the industry

Discussion

MassDEP Program Updates

MassDEP Deconstruction Work Group

MassDEP Recycling Market Development

Innovation Grant program announcement

C&D Process Separation Rate
incremental increases

C&D Minimum Performance Standard (Updated July 2024)

Criterion #1

- Separate all waste ban materials to the greatest extent possible
 - C&D: ABC, metal, wood, clean gypsum wallboard
 - Other: Cardboard, Tires, CRTs, Batteries, etc.

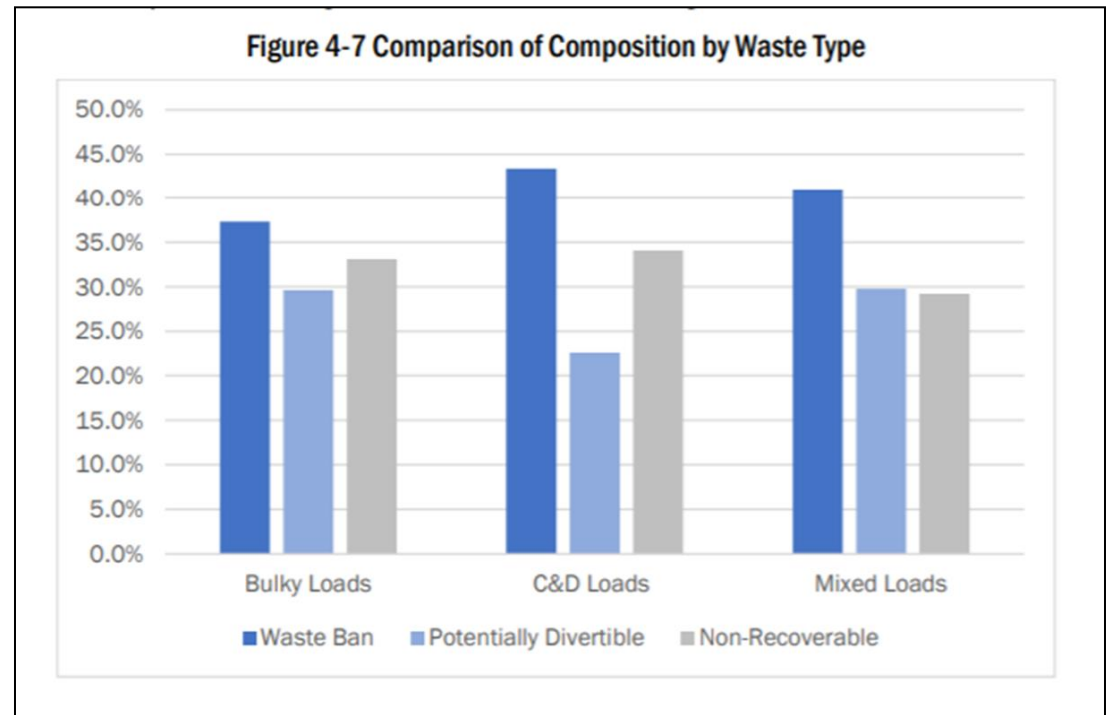
Criterion #2

- Meet or exceed the Process Separation Rate (PSR) Minimum Threshold

MPS July 2024 Update: <https://www.mass.gov/doc/minimum-performance-standard-for-construction-demolition-handling-facilities/download>

Incremental Increases in PSR Minimum Threshold

- The most recent MassDEP 2022 Waste Characterization study documented >35% Waste Ban material content in all types of C&D material loads (C&D, Bulky, and Mixed)
- Schedule of incremental increases in PSR minimum threshold:
 - 2020 = 15% (currently in effect)
 - 2025 = 20% (effective 1/01/2025)
 - 2027 = 23% (effective 1/01/2027)
 - 2030 = 25% (effective 1/01/2030)
- Tied to 2030 SWMP Goal to reduce disposal by 260,000 tons compared to 2018 baseline



<https://www.mass.gov/doc/statewide-bulky-waste-characterization-study-june-2022/download>

Next Steps

C&D Processors

- 11/01/2024: Submit revised WBCP in writing
 - Recognize increases to PSR min. threshold through 2030
 - Submit under BWP SW45 permit mod application (presumptive approval)
- If major changes (e.g., install new equipment, reconfigure process, etc.), then reach out to regional office to discuss required permit mod

C&D Transfer Stations

- Unless requested by Regional SW Staff, no submittal of revised WBCP required, if facility...
 - Operates as a C&D TS, and will continue to operate that way
 - Operates as solid waste TS permitted to accept no more than 50 TPD C&D Waste.
 - Operates as Municipal TS that aggregates C&D waste loads from vehicles with capacity of 5 cu. yds. or less.

Discussion

Announcements

EBC 19th Annual C&D Materials Management Summit

- Doubletree Hotel, Westborough, MA
- In-person
- **Friday, Jan. 31, 2024**
- 9:00 am – 3:00 pm



[Programs & Events - Environmental Business Council of New England, Inc. \(ebcne.org\)](http://ebcne.org)

For More Information:

Point of Contact:

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- C&D Materials Management webpage: <https://www.mass.gov/lists/managing-construction-demolition-cd-wastes>
- C&D Subcommittee Webpage: <https://www.mass.gov/info-details/massdep-construction-demolition-subcommittee>