RECYCLING CERTIFICATION INSTITUTE

DTG Redmond
C&D Operations
Redmond, Washington

Debris to Green Recycling

CORR PROTOCOL EVALUATION REPORT

Nothing Wasted

December 23, 2024
Evaluation Body: Nothing Wasted Consulting

Executive Summary

This report corresponds to the evaluation of the Application for CORR Certification submitted to the Recycling Certification Institute (RCI) by Debris to Green Recycling, Redmond (DTG) C&D Material Recovery Facility (MRF) operation located at 8504 192nd Ave NE Redmond, WA.

This Evaluation was conducted by Nothing Wasted Consulting (NWC) which is a certified evaluating body of RCI and represents an independent review of data and information provided by RCI. Due diligence was followed to ensure Duty of Care and Duty of Loyalty to the Institute and to manage any Conflict of Interest.

RCI Evaluators Manual 2.0 (EM) and RCI General CORR Protocol 1.9 (GCP) were used to guide the evaluation process as is standard practice for all Evaluations. The DTG Redmond MRF has not previously participated in a CORR Protocol Evaluation.

RCI uses a 95% confidence level as its Minimum Quality standard when calculating recovery or recycling rates using the weights of materials recovered and recycled. The evaluation found neither material nor immaterial misstatements nor deviations from the described process train for the operations at the DTG Redmond MRF site. The twelve months of recovery and recycling data submitted by DTG Redmond was within the quantitative materiality threshold of 95% (less than 5% error) per EM Section 2.2.3.

Overview of Construction & Demolition Recycling Facility and Operations

DTG Redmond accepts, sorts, and diverts Construction and Demolition (C&D) debris. The C&D materials are delivered, manually inspected, tipped, and processed for recovery. C&D materials are tipped and sorted within the newly constructed fabric hoop style building with a steel and concrete structure of approximately 8,600 square feet. The tipping floor is covered and protected. The east end of the building is completely closed with a large roll up door that remains shut when not actively removing material from the building. High traffic areas have concrete or asphalt surfaces, while less trafficked areas have crushed rock surfaces. The facility accepts C&D materials six days per week. Normal operating hours are 6 AM to 10 PM Monday through Friday, and 6 AM to 2 PM on Saturdays. Materials are delivered to the facility in debris box trucks, commercial vehicles, and self-haul public vehicles. Vehicles circle the building to be weighed, inspected, tipped, and then circle the building again for a final weight.

Load Checking

Materials are delivered to the facility in debris box trucks, commercial vehicles, and self-haul public vehicles. Vehicles circle the building for an initial weigh-out. Wood and concrete loads are inspected to ensure less than 5% contamination before they are directed to the appropriate pile outside the building. Mixed loads are also inspected for contaminants and hazardous materials. Unaccepted items may not be left behind.

Acceptable C&D loads are composed primarily of wood, metal, cardboard, plastic, roofing, concrete, asphalt, and drywall.

Processing

C&D material is minimally sorted onsite due to space restrictions. Loads are directed to the newly constructed fabric hoop style building with a steel and concrete structure of approximately 8,600 square feet. The tipping floor is covered and protected. The facility primarily recovers recyclable commodities, such as cardboard, wood, metal, drywall, concrete, asphalt, plastic, and roofing from construction and demolition debris.

Source-separated wood loads are tipped outside the building in a designated area at the SE corner of the facility. The material is visually screened for any contaminants, which are removed by hand or using an excavator, and then are transferred to one of DTG's wood processing facilities for grinding/screening. Clean wood does not contain pressure treated or painted wood. If the load contains more than 5% pressure treated and/or painted wood, then the load is tipped inside the building for further processing.

Once material is tipped onto the floor, a loader picks clean large materials from the pile including wood, concrete, clean drywall, metal, and wiring, and places them into their respective containers. All material is loaded onto trucks and taken to other DTG facilities. There is currently no residual pile onsite.

The processing line recovers materials such as, but not limited to, wood, metal, concrete, asphalt, and roofing. The recovered materials are manually sorted by material type.

Wires, metal, wood, and concrete are sorted into bins. Residual material drops off at the end.

The following materials are recovered, and their respective processing is described below each material:

Clean Wood that is not pressure treated or painted or cannot be repurposed is sent to one of DTG's facilities for further processing (grinding/screening) as a wood-derived fuel material. It is then loaded into possum belly trailers and transported to a local paper mill.
Concrete and asphalt are separated and loaded into side dump trailers and transported to a crushing yard to be recycled into new road base products.
Metals (ferrous & non-ferrous) are sorted by ferrous and non-ferrous types and are either baled or shredded to be melted at a steel mill. Metal is loaded into end dump trailers or Hook Lift containers and transported to a local metal recycling company.
Residuals: Any material collected but not recyclable is loaded into containers and transported to the local transfer stations or approved landfill for disposal.

Development of Evaluation Plan

DTG initiated the Certification process by first Registering its Mixed C&D line on RCI's Registration webpage: https://www.recyclingcertification.org/registration/ and subsequently submitted an Application for Certification. The application included monthly and annually detailed and summarized tonnage reports, lists of markets (material recipients and their contact info), and a variety of other background documents. Other information provided through the intake process includes:

- Name of the facility
- Street address of the facility (P.O. Box not acceptable)
- Name of the city/state where the facility is located
- Facility type
- Scale(s) certified (required)
- Permits – state/local Registration Number or state/local permit number
- Hours of facility operation
- Current tons of Inbound and Outbound materials
- Name of company contact person, their position/title, and contact information
- Website address

Key elements of this information can be found in the CORR Protocols Edition 1.91. RCI also provided an overview of the Evaluation process to aid in the streamlining and completion of activities on the day of the site visit. On-site review would include:

- Tour of the facility
- Verify process train of materials as stated in Application for Certification
- Verify proper sorting and storage of the materials
- Verify use and calibration frequency of certified scales
- Observe and verify weighing of materials and electronic storage of information
- Observation and verification of load/material sorting and accuracy
- Observe and verify QC measures are in place to ensure accuracy in recovery and uploading of facility data
- Review of recyclables sales records
- Confirmation of permits
- Interviews with key personnel
- Review of employee training/safety manuals
- Calculation of variance in recovery and recycling rates
- Other materials/documentation that may aid in preparation of a Facility Evaluation Report and Evaluation Opinion.

DTG submitted twelve prior months' data for RCI's review to determine accuracy of the mass-balance calculations. DTG provided an Excel spreadsheet that allowed for calculations and data review as well as the determination of random sampling to occur during the site visit including weight tags, days, dates, materials, tons, etc. RCI noted areas of potential risk on which to follow up during the site visit.

SITE VISIT

On December 23rd, 2024, NWC performed an on-site evaluation of the DTG Redmond C&D MRF operations. Janusz Bajsarowicz, Matt Dunyon, and Manual Silva conducted the tour of the facility, and submitted all appropriate documents as requested. NWC completed a thorough walk-through of the facility, examining where all materials enter, are measured, deposited, processed/sorted, and staged before they eventually leave the facility.

The site visit also included follow-up questions from NWC and RCI's initial review of DTG's submitted data and facility narrative. An interview with Mr. Bajsarowicz, Mr. Dunyon, and Mr. Silva was conducted during and after the walk through. All tickets are uploaded through Encore. Onsite, tickets can only be accessed for up to 30 days. Mr. Dunyon assisted with retrieving the requested weight tickets for previous loads. NWC also reviewed training manuals and in-person training logs to determine if adequate quality control (QC) existed for those staff with the potential to directly affect the recycling and recovery rates reported by the facility and determined adequate and ongoing training exists in these key positions to maintain quality control of processes and data. Mr. Silva shared documentation during and after the visit.

Overall, the DTG Redmond facility (including administrative offices, C&D MRF, scale house, and Public drop-off area) was observed to be clean and well-maintained, and maintenance logs were well-kept. Adequate signage was observed indicating safety, hazards, material identification, directions for traffic, and where different materials should be deposited. All personnel were observed to be wearing appropriate personal protective equipment.

Regulatory Compliance Test

DTG Redmond possesses the necessary permits to operate

The facility permits held by DTG include a Solid Waste Facility Permit issued by the Seattle-King County Department of Public Health, a Fire Life Safety Permit issued by the Fire Department of Redmond, and a Business License issued by the State of Washington.

There has been no substantiated non-compliance with permitted operations or other regulations governing the operations of this facility in the past twelve months. No irregularities were found involving management or employees who have a significant role in internal controls, or that could have a material effect on the reporting of DTG's recovery and recycling rates.

Use of Scales

NWC concludes that DTG Redmond satisfies the requirements for use of scales

DTG Redmond has one metal platform scale that is calibrated once every six months by Unitec Co. Every incoming vehicle is required to go over the inbound scale and record its weights before disposing of any material at the tipping floor or the source separated pile. The computer records weights from both the inbound and outbound scale platforms which the Encore software uses to calculate and record net weight. The software also calculates the price for each load based on the facility's current rates.

Materials In

All incoming loads are assessed to find their origin and waste type. All material is manually inspected before being tipped. Source-separated material, including wood and concrete are checked for less than 5% contamination rate. Higher contamination requires that the material be tipped on the tipping floor. Mixed C&D loads are inspected for unauthorized material. Unaccepted items cannot be left behind and must be removed by the customer.

Materials Out

Outbound tons from the C&D line are tracked through the Encore system. All outgoing containers are weighed before removal. Each weight ticket contains a numeric ticket number, date, time, origin, commodity type (material code), and price (if applicable). Source-separated materials are sent to specific recyclers. Some Mixed C&D is sent in trucks to other DTG facilities to be sorted. Residual from onsite sorting is sent to local transfer stations to be disposed of.

Supporting Data for Rate Estimates

NWC concludes DTG Redmond maintains the required supporting data as required by the EM for recycling and recovery rate estimates

DTG Redmond uses the Encore program to record, track, and process weight transactions on each vehicle and load entering and exiting the facility. The scale used to record these weights is calibrated once every six months by a scale contractor licensed by the State of Washington (Unitec Co.). DTG's electronic data management system, Encore, is then utilized to store all weight tags generated from the scalehouse. During the site visit, NWC reviewed digital weight tags within the Encore program to verify the accuracy of DTG's self-reporting as well as the process for any subsequent adjustments. Mr. Bajsarowicz explained how the Encore program is used to generate their monthly reports to RCI.

Data Transcription and Management

Sufficient QC exists for the creation of reuse and recycling rate tables from EMS data

NWC interviewed Mr. Bajsarowicz regarding the Encore Scale software used for data storage, report generation, and mass balance spreadsheet creation. Data is reviewed by

an analyst. The analyst breaks up the data by material and area of origin. They then create the monthly reports submitted to RCI.

NWC verified DTG Redmond's procedures by observing different steps throughout the data recording process.

Individuals Properly Trained for Functions They Perform

DTG employees receive adequate in-house initial and recurring training, including training from outside sources

NWC reviewed DTG Redmond's training schedules and modules/materials as well as conducted interviews with key employees during the site visit. Adequate signage was observed for safety, hazards, and material identification, and all personnel were observed to be utilizing appropriate personal safety equipment.

DTG Redmond regularly conducts training with its staff on assorted topics (see sample list below). Potential hazards and safety procedures are stressed during these training sessions. During each meeting, employees are required to sign log sheets. These training log sheets identify the topics covered, the date and time of the training sessions, the name and title of the instructor, the name and job titles of the employees, and documentation by the trainer of successful completion. DTG also does daily training with key staff members before each shift. This program is titled "Employee Focused; Safety Obsessed."

NWC was able to verify, upon request, that DTG Redmond's C&D employees receive initial and refresher training in the following areas:

Fall Protection & Ladders
Injury & Illness Prevention Plan & Incident Reporting
Lockout-Tagout
Personal Protective Equipment
Owning Safety
Eliminating Hazards
Employees Speak Up
Environment Awareness
Sort Line SOP
JHA of the Sort Line
Fire Extinguisher Training

These log sheets are filed onsite. Based on the observations of staff, the work areas, and the initial and ongoing training of DTG employees, NWC concludes that DTG Redmond provides employees with adequate and appropriate training.

Performance Standard Test

Reported recovery and recycling rates are within the 5% allowed threshold

RCI requested electronic copies of mass balance spreadsheets from DTG before scheduling the site visit. RCI reviewed the files and noted areas requiring clarification. Email correspondence and an in-person interview with Mr. Bajsarowicz were conducted to review RCI's questions regarding the twelve-month mass balance sheet and monthly entries.

Formulas were reviewed, their validity was tested, and a general overview was scheduled for discussion during the site visit. The recycling and recovery rates information submitted by DTG Redmond fell within the Quantitative Materiality threshold (95 percent or better accuracy) as defined in the EM. NWC concludes that DTG Redmond's reported reuse and recycling rates satisfy the Performance Standard Test required per the EM.

Evaluation Statement Overview

Based on an extensive review of data from DTG's C&D MRF operation, the findings according to RCI protocols via the evaluation process, and the on-site visit and interviews with key staff, NWC finds that DTG Redmond's C&D MRF operation meets RCI's eligibility requirements, complies with all measurement and record-keeping requirements, and has no existing material or significant immaterial non-conformances or misstatements in its reported data. NWC hereby certifies the Recovery and Recycling rates submitted by DTG Redmond as Real Rates as outlined in the EM and per RCI CORR Protocols.

The undersigned hereby certify that the information provided herein is true, complete, and accurate; they have read and understand the protocols developed by RCI and are familiar with the requirements of RCI. Furthermore, they also certify that any signatories duly elected, qualified, and acting officers of their respective organizations and that their organizations agree to be bound to the protocols of RCI.

For Nothing Wasted Consulting:

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By		Title
Melissa Baxter		12/23/24
Print Name		Date

For Debris to Green Recycling – DTG Redmond

		Sr. Director of Compliance
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