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# The Recycling Times



HADCO Group's Recycling Division Monthly E-Newsletter



Image Credit: [New Atlas](#)

## How Wastepaper is Recycled

Whether you are a business, restaurant, school, or household, recycling your wastepaper and cardboard has never been easier. But did you know that separating your wastepaper and cardboard is only the beginning of the journey for these paper products?

Paper-based products are among the most recycled materials worldwide, with a recycling rate of 68%. According to data from the World Economic Forum from 2021, over 50 million tons of paper were recovered for recycling.

We believe it is important for each of us to understand that minor changes in our daily habits can have a significant impact on the environment. In this edition of The Recycling Times, we will look at what happens after your wastepaper and cardboard are collected, and how they are recycled into new paper-based products.

**“SOMETIMES RECYCLING MAY SEEM OUT OF REACH, BUT YOU WILL BE SURPRISED HOW SMALL CHANGES IN THE WORKPLACE CAN GO A LONG WAY. HADCO RECYCLING DIVISION WILL BE HERE TO HELP GUIDE YOUR DECISIONS.”**

Kevin Whiteman -  
Managing Director,  
Recycling Division,  
HADCO Group

**Learn how  
paper is  
recycled below**

# Wastepaper Recycling Process

## Collecting, Sorting and Exporting

Our local wastepaper products (printer paper, newsprint, books, magazines, used cardboard from packaging, snacks, cereal, tissue rolls and detergent boxes) begin their international recycling journey to become new paper-based products through collection by New Age Recycling, and are then sorted at our Arima plant where they are packaged in bales for export.

Following this, the bales of paper and cardboard are exported via ocean to recycling paper processing mills internationally.



New Age Recycling employee bales paper through machine



New Age Recycling employee loads baled cardboard onto shipping container for export



Paper in pulping machine  
Image Credit: [Weima](#)



Pulp mass after processing  
Image Credit: [Wikipedia](#)

## Shredding and Pulping

The recovered paper is shredded into smaller pieces and combined with water and other chemicals in a “pulper” that acts like a blender to separate fibres in the paper sheets from each other. This combination of liquids and paper fibres creates what is known as the “pulp”.

# Wastepaper Recycling Process

## Screening and De-Inking

The pulp slurry is strained through screens that filter unwanted pieces from the pulp such as staples or paperclips that were not removed during the sorting process, as well as remove any thicker pieces of paper or cardboard that were not properly broken down.

De-inking involves the washing and rinsing of the pulp to ensure that colourants, dyes, and inks float to the top and run off. Chemicals are often used to ensure that the dyes and inks are separated from the pulp. Now free from any colourants, the pulp mass undergoes its last step before becoming a new paper-based product.



Pulp being strained through circular screens  
Image Credit: [Richard Venditti](#)



Pulp in a vat of de-inking chemicals  
Image Credit: [Biozyme](#)



Close up of cleaned pulp mass being pressed through rollers  
Image Credit: [Richard Venditti](#)



Dried paper sheets begin to form after numerous roller pressings  
Image Credit: [Richard Venditti](#)

## Rolling, Drying and Cutting

The cleaned pulp mass is put on a conveyor belt and goes through multiple compressions via press rollers which ensure that all moisture is removed. To ensure the pulp sheets are completely void of moisture, heat rollers are also used.

The final result is a flattened pulp mass of paper. The paper can be cut into any size and used as is, or rolled onto reels for the creation of other paper-based products!

*Note: We have simplified the paper-making process. Sometimes, virgin fibres are pressed into the newly recycled pulp mass to make it smoother and stronger. A similar process of pulping, de-inking, rolling, and drying occurs for the production of recycled cardboard materials.*

## Get Involved!

Now that you have a better understanding of how paper is recycled, it is time to do your part! Households and individuals who are interested in responsibly disposing of waste materials can take any of their sorted recyclable material mentioned above to the following locations:

**HADCO Limited - Head Office - JRJ Warehousing Compound, Bhagoutie Trace, San Juan.**

**New Age Recycling Facility - 17A Yorke Avenue, O'Meara Industrial Estate, Arima.**

**Ecoimpact Facility - Lot 17 DEFG, e Teck Diamond Vale Business Park, Diego Martin.**

**Caribbean Battery Recycling Facility - 2 El Socorro Ext, LP 52 Patraj Trace, San Juan.**

If you are a business, restaurant or school and are interested in learning more about reducing your carbon footprint or would like to schedule a collection, please contact us at New Age Recycling at: (868) 290-2970 / 2975 or visit [www.newagerecyclingtt.com](http://www.newagerecyclingtt.com).



Image Credit: [Pulp and Paper](#)

**“WE WANT TO HELP YOUR PLACE OF BUSINESS BECOME ECO-FRIENDLY IN DISPOSING OF WASTEPAPER AND CARDBOARD. THANK YOU FOR TAKING THE TIME TO LEARN MORE ABOUT HOW PAPER IS RECYCLED.”**

Ronaldo Pierre -  
Business Development  
Officer,  
New Age Recycling Limited,  
HADCO Group

For more information, visit us at [www.hadcoltd.com/divisions/recycling/](http://www.hadcoltd.com/divisions/recycling/)

