

Wastewater (Pulp & Papermaking)

DESCRIPTION

Water is heavily used throughout pulp & papermaking. Much of the residual water of the papermaking process is located in [paper mill residue](#), but additional wastewater is produced during pulping in processes like filtration, bleaching, washing and dewatering. This wastewater contains both biomass and caustics.

CLASSIFICATION

Lignocellulosic bioimass

SOURCE INDUSTRY

[Pulp & papermaking](#)

ANNUAL VOLUME GENERATED IN WISCONSIN

4.8 gallons/lb market pulp (sulfite process), 2.5 gallons/lb paper¹

CURRENT APPLICATIONS

Disposal

COST

Disposal costs

APPLICABLE BIOREFINING PROCESSES

[Anaerobic digestion](#)

REFERENCES

¹ Brown, Harry L., et al. 1996. Energy Analysis of 108 Industrial Processes. The Fairmont Press, Lilburn, GA.