



Just the Facts...in a year, the average American uses as much wood in the form of paper as the average resident of the developing world burns as fuel.



Did you know? If you throw away 2 aluminum cans, you waste more energy than 1,000,000,000 of the world's poorest people use a day.



Did you know? Printed newspaper can make cozy beds for farm animals.



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# Waste Streams and Disposal Options for Newspapers

## PREPRESS / PHOTOGRAPHY / PLATEMAKING

### FILM/PAPER --- DEVELOPER AND FIXER

- 1. Drained to publicly-owned treatment works
- 2. Hauled offsite for treatment (w/ or w/out evaporation)
- 3. Direct discharge after treatment

### PLATE DEVELOPER/CONDITIONER/FINISHER

- 1. Drained to publicly-owned treatment works
- 2. Hauled offsite for treatment (w/ or w/out evaporation)
- 3. Direct discharge after treatment

### PROOFING SYSTEM DEVELOPER

- 1. Drained to publicly-owned treatment works
- 2. Hauled offsite for treatment (w/ or w/out evaporation)
- 3. Direct discharge after treatment

### USED PHOTOGRAPHIC FILM

- 1. Sold to vendor where the silver is recovered and resold
- 2. Returned to supplier for silver recovery and polymer recycling
- 3. Discarded in landfill

### CONTACT/DYLUX PAPER

- 1. Discarded in landfill

### RECOVERED SILVER

- 1. Silver sludge, flake, and ion exchange resins sold to vendor for recovery
- 2. Spent canisters returned to vendor for processing

### OFF-SPEC OFFSET PRINTING PLATES

- 1. Sold to vendors, scrap metal dealers for resale

### OFF-SPEC PHOTOPOLYMER PLATES WITH AND WITHOUT METAL BACKING

- 1. Sold to vendors who burn off the plastic and resell the aluminum
- 2. Returned to supplier for recycling/reuse
- 3. Discarded to landfill

### PACKAGING --- CHEMICAL CONTAINERS, BOXES, SLIP SHEETS

- 1. Sent to vendor for recycling
- 2. Returned to supplier for recycling/reuse
- 3. Discarded to landfill

### PLASTIC FILM ROLL END CAPS

- 1. Sent to vendor for recycling
- 2. Returned to supplier for recycling/reuse
- 3. Discarded to landfill

### USED ADDITION PENS/OPAQUE PENS

- 1. Discarded to landfill

### USED RUBBER GLOVES, EAR PLUGS, GOGGLES, AND SPLASH APRONS

- 1. Discarded in landfill

### USED AEROSOL CANS

- 1. Discarded in landfill

### USED KNIVES/RAZOR BLADES

- 1. Discarded in landfill

## OFFICE

### SEWAGE

- 1. Drained to POTW
- 2. Drained to septic system

### PRINTER/TONER CARTRIDGES

- 1. Returned to supplier for refilling/reuse
- 2. Sent to vendor for refilling/reuse
- 3. Discarded to landfill

### BEVERAGE CONTAINERS, BOTTLES, AND CANS

- 1. Sold to vendor for recycling

### CORRUGATED AND OTHER PAPER-BOARD CONTAINERS

- 1. Sold to vendor for recycling

### NEWSPAPERS

- 1. Sold to vendor for recycling

### COMPUTER PAPER

- 1. Sold to vendor for recycling

### OFFICE PAPER

- 1. Sold to vendor for recycling

### LUNCHROOM WASTE --- CUPS, UTENSILS, PLASTIC, PAPER, STYROFOAM, ETC.

- 1. Discarded to landfill

## MAINTENANCE

### USED FLORESCENT LAMPS, OTHER MERCURY-BASED LIGHT BULBS AND BALLASTS

- 1. Discarded to landfill --- only if acceptable
- 2. Sent to vendor for recycling

### USED BATTERIES

- 1. Discarded to landfill

### USED MOTORS, AFTER STRIPPING

- 1. Discarded to landfill

### USED VELCRO, BRUSH, GRATER MATERIAL

- 1. Discarded to landfill

### USED BELTING, BOTH RUBBER AND LEATHER

- 1. Discarded to landfill

### USED POLYURETHANE/POLYURETHANE TUBING

- 1. Discarded to landfill

### USED VACUUM BAGS/DUST

- 1. Discarded to landfill

### STAINLESS, ALUMINUM, BRASS, BRONZE, COPPER

- 1. Sold to vendor for resale as scrap metal

### PARTS WASHER FLUID

- 1. Returned to supplier for recycling
- 2. Sent to TSDF for incinerating

### UNREPAIRABLE NON-METAL PARTS

- 1. Discarded to landfill

### USED PAINT BRUSHES/CANS

- 1. Discarded to landfill

### USED GREASE GUN CARRIAGES/CARTRIDGES

- 1. Discarded to landfill

### USED BRAKE PADS/LININGS

- 1. Discarded to landfill

### WASTE OIL

- 1. Sent to TSDF for fuel blending
- 2. Sent to TSDF where water and oil phases are separated. Oil is recycled. Water is treated and discharged to POTW

### PARTS FOR RACK REPAIRS

- 1. Salvage usable parts
- 2. Sent appropriate parts to scrap metal dealer for resale
- 3. Discarded to landfill

### PAINT AND PAINT CANS

- 1. Discarded to landfill --- only if acceptable

### SPENT FLOOR CLEANING CHEMICALS

- 1. Drain to POTW --- only if acceptable

## NEWSPRINT STORAGE WAREHOUSE

### CONTAMINATED MILLWRAP, ROLL ENDS

- 1. Millwrap and roll ends with vapor barrier sent to vendor for repulping into paperboard
- 2. Discarded to landfill

### UNCONTAMINATED MILLWRAP, ROLL ENDS

- 1. Millwrap and roll ends with vapor barrier sent to vendor for repulping into paperboard
- 2. Discarded to landfill

### FIBER ROLL STOCK CORES

- 1. Cores with metal end caps sent to vendor for burning. Cores with no end caps sent to vendor where shredded and made into new cores
- 2. Discarded to landfill

### WOODEN ROLL STOCK CORE PLUGS

- 1. Sent to vendor for collection, sorting, and resale to paper mills
- 2. Discarded to landfill

### NEWSPRINT --- UNPRINTED

- 1. Sent to vendor for recycling
- 2. Discarded to landfill
- 3. Given to local farmers for animal bedding
- 4. Given to schools for art classes (on cores)

### ROLL REJECTS

- 1. Sent to supplier for recycling
- 2. Salvage usable paper and sell unusable to vendor for recycling

### SANDPAPER

- 1. Discarded to landfill

### BAILING WIRE

- 1. Sold to scrap metal dealer for resale
- 2. Discarded to landfill

NOTES:  
TSDF = Treatment Storage Disposal Facility  
POTW = Publicly Owned Treatment Works



Did you know? Unprinted newspaper can be donated to schools for art classes.



Did you know? You can turn your trash into cash.



Just the Facts...it is estimated that Americans will generate 223 million tons of municipal solid waste in the year 2000.

## PACKAGING & DISTRIBUTION

### PRINTED NEWSPRINT

- 1. Sold to vendor for recycling
- 2. Discarded to landfill
- 3. Given to local farmers for animal bedding

### RETURNS --- PRINTED NEWSPRINT

- 1. Separated into appropriate paper grades and sold to vendor for recycling
- 2. Unseparated sold to vendor for recycling at lowest grade
- 3. Discarded to landfill

### POLYESTER STRAPPING, DYNARIC WHITE

- 1. Sent to vendor for recycling into new strap

### NON-DYNARIC PLASTIC STRAPPING

- 1. Discarded to landfill

### PLASTIC STRAPPING CORES

- 1. Sent to vendor for recycling
- 2. Discarded to landfill

### PRESSURE SENSITIVE LABEL PAPER

- 1. Discarded to landfill

### USED STRETCH/SHRINK WRAP

- 1. Sent to vendor for reuse
- 2. Discarded to landfill

### USED STRETCH WRAP CORES

- 1. Discarded to landfill

### VARIOUS PAPER GRADES FROM INSERTS

- 1. Sent to vendor for recycling
- 2. Discarded to landfill
- 3. Given to farmers for animal bedding

### DEFECTIVE POSTAL PALLETS

- 1. Returned to postal facility
- 2. Discarded to landfill

### MAIL BAGS

- 1. Returned to postal facility
- 2. Discarded to landfill

### METAL POSTAL CARTS

- 1. Returned to postal facility
- 2. Discarded to landfill

### CORRUGATED CARDBOARD SHEETS

- 1. Full pallets sent to vendor for reuse

### KRAFT BOTTOM SHEETS

- 1. Sent to vendor for recycling
- 2. Discarded to landfill

### KRAFT BOTTOM WRAP CORES

- 1. Sent to vendor for recycling
- 2. Discarded to landfill

### PLASTIC POSTAL CONTAINERS

- 1. Returned to postal facility
- 2. Discarded to landfill

### NON-SHEETED CORRUGATED CARDBOARD

- 1. Collected in dumpster and sent to vendor for reuse

### SHRINK FILM CORES

- 1. Sent to vendor for reuse

### SHRINK FILM CORE ENDS

- 1. Sent to vendor for reuse

### "GOOD WOOD", BROKEN SKIDS, TOPS, ETC.

- 1. Reusable wood waste sold to vendor for rebuilding
- 2. Put skids outside for legal thievery
- 3. Build a doghouse

### "JUNK WOOD", UNABLE TO BE REUSED/REPAIRED

- 1. Discarded to landfill
- 2. Shredded and used for mulch

### COMPOSITE/PLASTIC SKIDS

- 1. Returned to supplier
- 2. Sent to vendor for recycling/reuse
- 3. Discarded to landfill

### USED PACKING MATERIALS, PEANUTS AND MYLAR

- 1. Discarded to landfill

### STYROFOAM

- 1. Sent to vendor for recycling

### ANIMAL GLUE DRIPPINGS

- 1. Discarded to landfill

### WASTE ADHESIVE

- 1. Shipped to TSDF where it is solidified and landfilled
- 2. Stick anywhere

### METAL STRAPPING

- 1. Sold to scrap metal dealer for resale
- 2. Discarded to landfill

### MAILING TUBES

- 1. Sent to supplier for recycling/reuse
- 2. Sent to vendor for recycling
- 3. Discarded to landfill

### WASTE OIL

- 1. Sent to TSDF for fuel blending
- 2. Sent to TSDF where water and oil phases are separated. Oil is recycled. Water is treated and discharged to POTW

Just the Facts ... about 80% of our trash goes to landfills. Only 10% in incinerated and only 10% is recycled.

## FLEET MAINTENANCE

### FUEL TANKS --- ABOVE OR BELOW GRADE

- 1. Cut up for scrap and sold to scrap dealer for resale
- 2. Filled with concrete --- only if approved

### ENGINE OIL

- 1. Sent to TSDF for incineration
- 2. Sent to vendor for recycling

### HYDRAULIC OIL

- 1. Sent to TSDF for incineration
- 2. Sent to vendor for recycling

### BRAKE FLUID

- 1. Sent to TSDF for incineration

### TRANSMISSION FLUID

- 1. Sent to TSDF for incineration

### POWER STEERING FLUID

- 1. Sent to TSDF for incineration

### OIL AND FUEL FILTERS

- 1. Drained and discarded to landfill

### FREON

- 1. Recycled and reused with certified equipment and technician

### TIRES

- 1. Sent to vendor for recycling
- 2. Sent to vendor for incineration
- 3. Discarded to landfill

### METAL PARTS

- 1. Some sent to scrap metal dealer for resale
- 2. Discarded to landfill

### GASOLINE AND DIESEL FUEL

- 1. Sent to TSDF for incineration

### PAINT, CANS, AND SOLVENT

- 1. Sent to TSDF for incineration

Information provided by  
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# Waste Streams and Disposal Options for Newspapers

Reuse and Recycle