



Wastes Not Acceptable for Disposal in an Unlined C/D (Construction & Demolition) Landfill

The City of Douglas Landfill and Transfer Station is an unlined landfill with a permitted C&D cell. All municipal solid waste is shipped to Casper Regional Landfill with the exception of C/D waste, which is allowed to be buried ONLY in the permitted C/D cell. The City of Douglas also operates a recycling center with several recycling and compost dumpsters located around Douglas. For a complete list of recycling/compost dumpster locations, as well as to view an interactive map, go to the Recycling page of our website or use the following link: <http://www.cityofdouglas.org/index.aspx?NID=217>

Per WYDEQ, SWRR Chapter 1, Section 1(e), the definition of construction/demolition waste is in part:

“includes, but is not limited to stone, wood, concrete, asphaltic concrete, cinder blocks, brick, plaster and metal.”

Because the definition for C/D waste is non-specific, the following additional information regarding items that may be included in the definition of C/D waste, and of wastes that are, and are not, acceptable in unlined C/D landfills is being provided. **Table 1 provides a list of C/D wastes acceptable for disposal in unlined C/D landfills. Table 2 provides a list of C/D wastes unacceptable for disposal in unlined C/D landfills.** With respect to certain waste types in Tables 1 and 2, wastes not acceptable for disposal include partially unused containers of materials. For example, empty or dry paint containers may be disposed, containers partially full of liquid paint may not be disposed.

Note that the following tables are for illustration purposes only, and they are not intended to be all inclusive. If a [landfill] operator has any questions regarding the acceptability of a particular waste type, please contact Department staff listed at the end of this memorandum.

Questions from the public, including commercial haulers, should be directed to the City of Douglas, Public Works Department, 307-358-9750, or the Douglas Landfill scale house, 307-351-2186.

Waste types that may be disposed in an unlined C/D landfill are limited. Rigorous, routine waste screening will be required so that disposal of any prohibited wastes is prevented. **Permittees'** (e.g. the City of Douglas) **failure to strictly comply with waste screening requirements, including failure to refuse prohibited wastes, may result in enforcement action by the Department, including potential revocation of the operating permit as set forth in SWRR Chapter 1, Section 4(b).**

Table 1. Wastes Acceptable for Disposal in an Un-Lined C/D Landfill

All wastes must pass the paint filter liquid test prior to acceptance.

- Asphalt (hardened paving and shingles)
- Brick
- Cabinets
- Cardboard
- Carpet and carpet pads
- Caulking tubes (dry)
- Ceiling tile
- Ceramics
- Cinder block
- Clean wood
- Concrete with or without rebar/wire mesh, asphaltic concrete
- Containers (empty, clean, and rinsed)
- Corrugated shipping containers
- Dirt (uncontaminated)
- Creosote treated wood (such as railroad ties and telephone poles)
- Drums (empty, clean, and rinsed)
- Drywall
- Electrical fixtures
- Electrical wiring
- Fiberboard
- Fiberglass
- Flashing
- Flooring tiles
- Furniture
- Glass
- Green wastes (grass, shrubs, tree limbs, etc.)
- Gypsum wallboard
- Hardened asphalt
- Insulation (fiberglass, foam/treated cellulose/sheathing) Lumber (painted or unpainted and untreated)
- Masonite/slate
- Metal (ferrous and non-ferrous, if not recycled)
- Metal studs
- Masonry and plaster
- Mortar
- Nails
- Non-friable asbestos
- Paper products
- Packaging foam
- Paint containers (dry)
- Pallets/spools/reels
- Paperboard
- Particleboard
- Pesticide and herbicide containers if triple rinsed
- Plaster
- Plastic pipe
- Plastic sheeting
- Plumbing fixtures
- Porcelain/bathroom fixtures
- Pressboard/chipboard
- Roofing materials/roofing felt
- Sheathing
- Siding (does not contain friable asbestos)
- Sod
- Steel
- Stone/rock
- Street sweepings
- Styrofoam
- Sump waste from car wash sumps (must pass the paint filter liquids test and concentrations of metals, VOCs, and other compounds must be sampled and found to be below regulatory limits)
- Textiles
- Tile (ceiling and ceramic)
- Tires (may include wheels)
- Vinyl (doors, siding, windows, flooring)
- White good/appliances (if refrigerators have properly removed)
- Wire
- Wood (clean, untreated, painted or unpainted)
- Wood pallets

Table 2. Wastes Not Acceptable for Disposal in an Un-Lined C/D Landfill

- Aerosol cans containing any product
- Adhesives
- Automobiles
- Automotive cleaners, solvents, waxes
- Batteries (alkaline or rechargeable, Ni-Cd, lithium, metal hydride, etc.)
- Caulk
- Containers with liquids
- Dead animals
- Driveway sealants
- Drums and containers containing any waste
- Epoxies
- Electronic wastes
- Exit signs (lighted, from building interiors)
- Friable asbestos
- Fuel tanks
- Garbage
- Glues
- Hazardous wastes (listed or characteristic)
- Industrial wastes
- Lacquer thinners
- Lead containing materials (lead acid batteries, lead based paint, flashing, solder, etc.)
- Liquids of any type or quantity
- Medical/infectious wastes
- Mercury containing devices (switches, bulbs, thermostats, etc.)
- Mercury based paints
- Metallic pigments in unused paint containing: lead, arsenic, barium, cadmium, zinc, mercury, or chromium
- Municipal solid waste
- Oils, greases, and any petroleum contaminated
- Paints
- PCBs in ballasts, transformers, and capacitors
- Petroleum contaminated soil
- Pentachlorophenol
- Pesticides
- Petroleum constituents. leachable from roofing tars
- Petroleum storage tanks (unless properly decommissioned and certified clean)
- Polyurethane
- Putrescible wastes
- Rechargeable and/or alkaline batteries
- Resins
- Roofing cement sealers
- Sealers
- Septage Sludges
- Smoke detectors
- Solvents
- Stains
- Thermostats and thermometers (mercury containing)
- Transformers
- Treated wood (e.g., pressure treated, chromate copper arsenate (green treated wood); pentachlorophenol (brown treated wood), copper naphthenate, ammoniacal copper zinc arsenate (ACZA), ammoniacal copper quaternary compound (ACQ), etc.)
- Used oil and/or grease filters
- Varnishes

For More Information: If you have questions regarding construction demolition landfills, please contact staff in the DEQ offices listed below.

Cheyenne Office (Rebecca Dietrich)	(307) 777-7752
Casper Office (Dale Anderson)	(307) 473-3450
Lander Office (Patrick Troxel)	(307) 332-6924

References

U. S. Environmental Protection Agency, 1995, Construction and Demolition landfills, prepared by ICF Kaiser Incorporated, prepared for ESEPA Office of Solid Waste, Contract No. 68-W3-0008, 39 p.

Maine Department of Environmental Protection, 2005, Report to the Joint Standing Committee on Natural Resources Concerning the Safe Management of Arsenic- Treated Wood Wastes.

Martin, Jeff, 2005, Preliminary Evaluation of Leachate Analytical Results from Ohio C&D landfills, Interoffice Memorandum to Dan Harris, Chief, DSIWM.

Ohio EPA, 2009, An Evaluation of Leachate from Ohio's construction and Demolition Debris Landfills, 104 p.

Townsend, Timothy, et.al., 2000, Continued research into the characteristics of leachate from construction/demolition Waste landfills, Florida Center for Solid and Hazardous Waste Management Report # 00-04, 71p