

Human Waste Systems, Disposal and Regulation

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Free Dump Stations in Colorado

- Edwards Rest Area
- Rifle Rest Area
- Fruita Rest Areas.

Site to find free dump stations:

<https://www.sanidumps.com/maps/index.php?id=19>

Select “List Free Locations Only” from the drop-down and click on Submit.

Displays a map with icons that you can click on for further information.

Applicable Regulations:

Per Lynne Carpenter, many rivers only accept WAG bags (or their disposable equivalent) IF there is no raft support. In other words, a group can only use WAG bags if all the boats are considered small craft (canoe, kayak, packraft, etc.). Once a raft joins the group, it must be a system that can be cleaned out. For example, Dinosaur National Monument

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(Lodore and Yampa) and the BLM (Ruby Horsethief) both have (or at least had the last time I checked) that requirement.

Please check on-and-off water toilet system rules and disposal rules at your destination.

Options for groovers:

Rocky Mountain Canoe Club:

Rocky Mountain Canoe Club has a options available for trips, including three-100 use toilets and one- 50 use toilet, all of which need to be cleaned out. This can be done at RV dump stations which can be a bit disagreeable. The Club Equipment Page also has links to sites where portable toilet and bag systems can be purchased.

<https://rockymountaincanoeclub.net/members/club-equipment/>

Purchased Groovers:

EcoSafe System

If you want the system that a lot of rafters swear by, look up the [EcoSafe system](#). The stem fits into two [rocket boxes](#) and is a really durable (and almost completely airtight - but you definitely want to keep it out of the sun) system. I gave you the links just FYI - there are probably better places to buy (like [Down River Equipment](#) in Wheat Ridge). Cleaning it out is not pleasant but honestly it is no different than cleaning out the system on an RV or something. You attach a water hose to the top, put a flexible sewer hose on the side, turn on the water, and it should empty into the dump station. Bring good rubber gloves and cleaner to do the final cleanup. To ensure that we don't clog the system(s), DO NOT use anything other than TP in the system - no wet wipes (flushable or not), no hygiene products, etc. And, the RMCC club has some hard-sided toilet systems if you need one. Great, free alternative. Or if you are really squeamish about cleaning it out (total get that) - rent one. Universities often are good sources for rentals, if outside the normal semesters (especially during summer break). (Source: Lynne Carpenter)

EcoSafe System from Amazon, click [here](#):

Options for bag-based river toilet systems:

These were provided by RMCC club members in email exchanges in February 2022

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Biffy Bags:

Biffy Bags are the high-end of disposable. They have a silvered mylar storage bag which keeps the contents much more odor free, than for example Wag Bags, which is a government army product. The Biffy Bag has a larger supply of better TP and a moist towelette to clean up at the end that won't turn into shreds like some of the others. It's a lot of non-recyclable plastic. In addition, you will need an airtight storage for your final product, such as one made out of large diameter PVC pipe with a screw in cap.

For more info: <https://www.biffybag.com/biffy-bag.htm>

(Source: Fran Rulon-Miller)

Disposable Bag System:

- Disposable Bags: Both REI and Amazon have several brands.
- A water-tight plastic ammo box to act as a seat, hold unused bags, hand sanitizer and TP.
- A PVC cylinder with screw-on caps (at both ends for easier clean-out) to hold used bags. screw-on caps at both ends for easier clean-out

(Source: Carol Duecker)

Disposable Bags at REI:

Double Duty:

Cleanwaste Systems:

Sit Structure:

For a "sit structure" I cut a thick sheet of ABS, formerly a landscaping tree bucket, so that it rolls into a cone and tie in that shape. The cone is comfortably tall, about 18 ". It has a strip of plastic edging on top so bags don't cut. In transit this sheet lies flat on the bottom of my canoe, taking no space. In camp roll into a cone, slip in a bag, then put on a plywood top. Plastic cone can be moored to ground with pegs to battle wind. I tested the weight-bearing to 250 pounds. An ABS plastic disc, rock-weighted, covers the opening to avoid flies and rain. For a leak-proof hard container to carry used bags I use a 2-3 gallon picnic jug. Opening its spout allows me to relieve pressure at times to avoid an ugly explosion! It wedges under the prow or stern of the canoe in transit.

(Source: Eric Hermann)

Toilet in a Tube

From the Alpaca packrafts, site but it might be the ticket for some folks *Toilet in a Tube* <https://cleanwaste.com/products/toilet-in-a-tube>

(Source: Bill Rivers)

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TRIPTIPS Portable Toilet

This is what I use for camping (tent or pick up). It can be taken on a river trip. Bag system is like *Biffy Bags*. I use a disposable hard plastic container with screw tight lid to dispose of, yep all goes in trash, including container. This system is convenient, portable, and easy! Disposable container sold separately! Click [here](#) to see this product on Amazon.

(Source: Lynda Law)

DIY Systems from Rocky Mountain Sea Kayak Club Website:

[Human Waste Disposal--Containers and Procedures](#)

[Human Waste Disposal--Containers, Part II](#)