

Who is Headwater Lining ?

Headwater Lining is a **full service lining company** specializing in small and large volume containment applications. We service public and private needs for applications ranging from groundwater protection below landfills and wastewater treatment plants, to water conservation in reservoirs and retention ponds. As such, we offer the support services of pond design and liner consultation, leak detection & repair, and a variety of water containment accessories.

Why hire Headwater Lining ?

Headwater Lining is a containment lining company sized to provide you with attentive service while delivering large company capabilities. Located at the heart of the Northern Rocky Mountains in Bozeman, MT, we have chosen to concentrate on providing high quality, responsive products and services to our local clientele in the Northern Rockies. Our principals have vast experience in selling, fabricating and/or installing lining products with over 50,000,000 sq. ft. of geomembranes during the last 15 years. Headwater is equipped with state of the art field seaming and seam testing equipment to provide our customers with top-notch lining service and is supported by the premiere factories and fabrication plants in North America. We stock quality liners at our Bozeman, Montana location for custom fabrication for all sizes and types of projects.

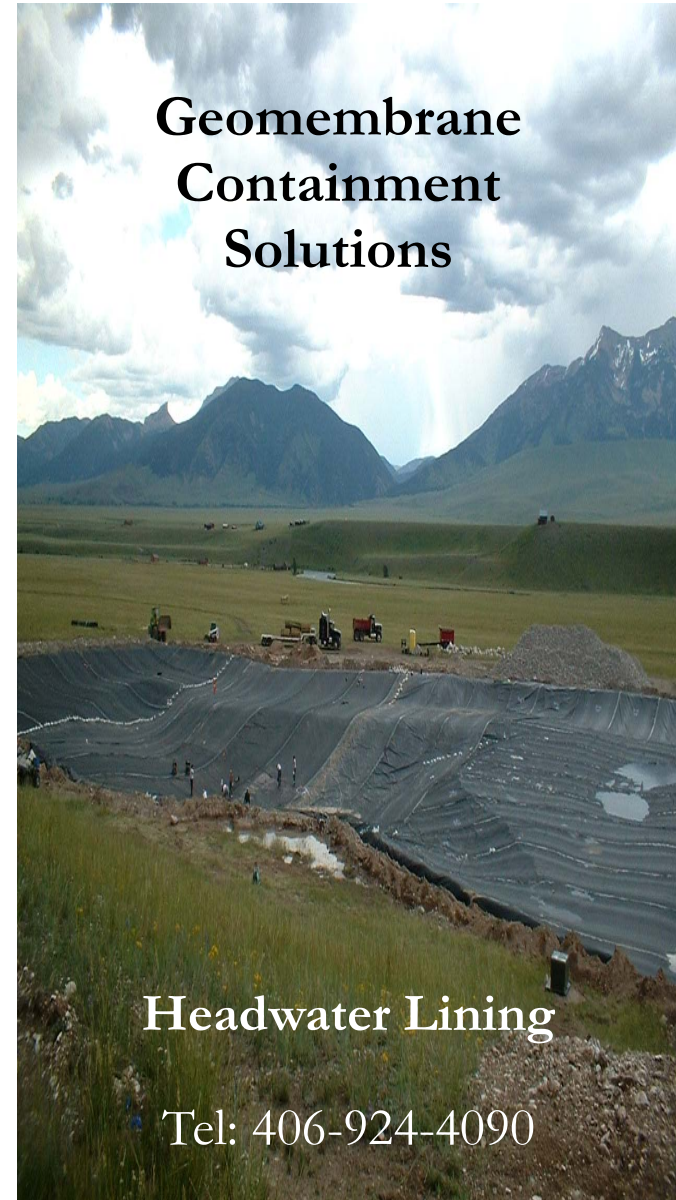
Unlike our giant national competitors, when you hire Headwater Lining, you get timely personal and professional service from our staff and direct involvement from the proprietors. We want the chance to earn your business and are eager to show you Headwater Lining's ability to complete the project beyond your expectations.

We are your local lining source



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Geomembrane Containment Solutions



Headwater Lining

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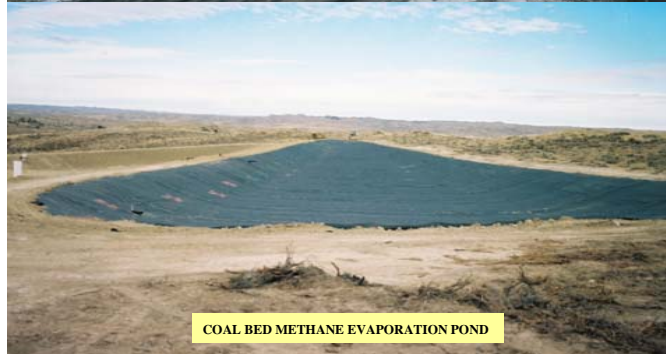
Giving You Comprehensive Lining Solutions For Every Containment Need

Items To Consider When Choosing A Containment Liner

- Goal of Project & Life Expectancy
- Size and Geometry of Project
- Properties of Substance to be Contained
- Weatherability-Exposure to Elements
- Type and Compaction of Subgrade
- Type and Availability of Backfill
- Number of Penetrations or Attachments
- Budget Constraints & Warranty Requirements
- Location and Constructability
- Performance of Synthetic vs. Clay Lining Products



FLATHEAD CO LANDFILL



COAL BED METHANE EVAPORATION POND

PRODUCTS & SERVICES

HDPE-High Density Polyethylene is the most common long term liner used in the world. It requires specialized equipment and experience to install, but is by far the most economical, functional, and UV stable product on the market. Also available in Linear Low Density Polyethylene. 30 to 120 mil thickness.

PVC-Polyvinyl Chloride offers an economical solution when single piece liners are required. They are pre-fabricated in controlled environments and offer ease of installation and repair. PVC is not UV stable, so long term performance requires adequate soil coverage. 20 to 60 mil thickness.

Reinforced Liners-Reinforced Polypropylene (RPP), Hypalon (CHDPE), and Elvaloy-based liners (XR-5, Coolguard, Coolshield) are containment specific product lines for a variety of specialized needs. They offer dimensional stability for UV exposed applications and excellent chemical resistance for hazardous containment. 36, 45, and 60 mil thickness

EPDM-Ethylene Propylene Diene Monomer is a cured rubber lining system available in single pieces up to 50' x 200'. The product is UV stable and conforms well to small, oddly shaped ponds. It cannot be welded by controlled heat fusion machinery, so a tape system must be incorporated.

GCL-Geosynthetic Clay Liner is a sodium bentonite based composite fabric that has clay imbedded in differing woven and non-woven geotextile layers. Traditionally used in landfill and secondary containment systems, we also incorporate this product into stream and canal liners.

Tarpaulins-Woven Coated Polyethylene liners have been the primary product used for temporary liners. Tarpaulins are not suitable for long term containment, due to the small amount of impermeable coating (<2.5 mils), which is not especially resistant to abrasion. 9 mil, 12 mil, 14 mil, 16 mil, 20 mil, and 24 mil available.

Geotextiles and Geocomposites-Headwater Lining carries a full line of non-woven geotextiles and net-core geocomposites that are used for underlayment and overlayment protection for projects with poor sub-grades. They are also incorporated for gas venting under exposed liner applications.

Call us for a copy of our complete product specification guide!

406-924-4090

www.headwaterlining.com

INSTALLATION & CONSULTATION SERVICES

All installations are carried out in a professional manner and satisfaction is guaranteed. We perform on-site inspection of sub-grades, field seaming of multiple panel geomembrane liners by heat fusion or chemical bonding, build boots for pipe penetrations, and adhere to the industry standard quality control programs. Our installation supervisors and technicians are certified by the International Association of Geosynthetic Installers to provide our customers with the most cutting edge performance in welding practices, QA/QC, and installation procedures. With over 15 years experience, Headwater Lining's project managers can also offer consultation in pond design and liner system specification to ensure your project is done right the first time.



HDPE INSTALLATION