SOLMAX

ANIMAL WASTE

Human consumption of animal products is growing. As livestock farming intensifies, farmers are under increasing pressure to manage the risk that animal waste presents to the environment and to human health. Our geosynthetics offer effective, reliable and economical containment solutions.

Protecting the environment

Unmanaged, animal waste can negatively impact sensitive habitats and contaminate scarce resources. It is responsible for environmental catastrophes such as fish kills, algae blooms and groundwater contamination. In addition, release of methane gasses impacts global warming.

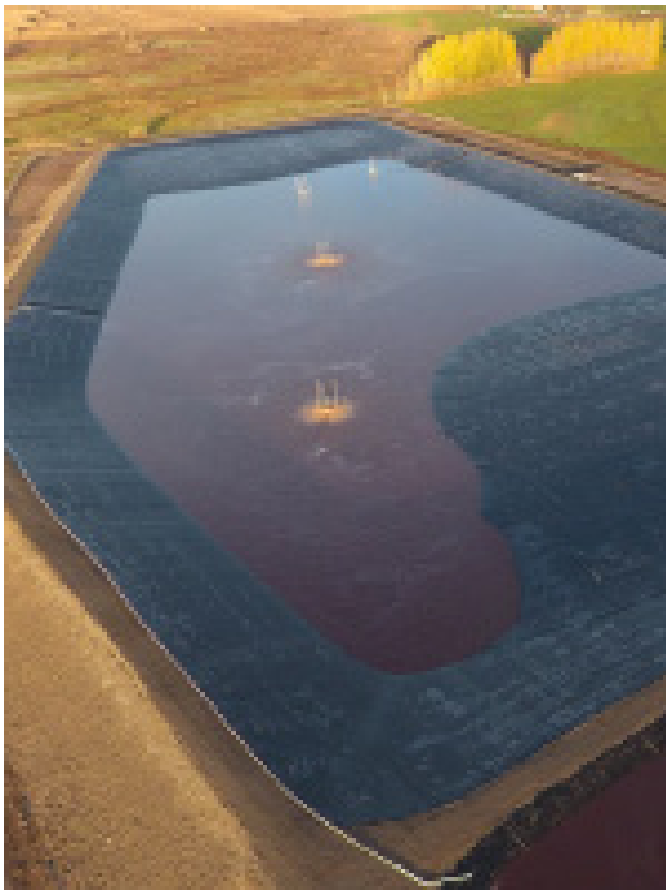
As farms increase in size and environmental awareness grows, farmers and industrial operators are looking for more environmentally friendly, cost effective and secure ways to store and contain animal waste. Geosynthetics offer distinct advantages.

Applications – ponds, gas collection

Solmax geomembranes' excellent chemical resistance and low permeability make them well suited to animal waste applications. They address many of the weaknesses inherent in materials traditionally used to construct waste containment solutions, such as compacted soil, clay, concrete, or steel, making them the preferred solution of regulatory agencies and the general public for waste containment.

They can be used to line holding lagoons, anaerobic treatment ponds and evaporation ponds Geomembrane liners and covers can also be used to enclose waste for the collection of methane gas that can be used for heating or electric power generation.

Our geosynthetics offer more effective, economical and reliable containment of animal waste, protecting sensitive environments, scarce natural resources, and human health.



Products

Solmax's high density polyethylene (HDPE) geomembranes can be used for most applications.

- Our linear **low-density polyethylene (LLDPE)** geomembranes are ideal for cold weather and soft subgrade applications.
- **High-performance white reflective surface finishes** help control wrinkles from thermal expansion and contraction, and act as a signal layer to identify mechanical damage.
- A **double-layer liner with a geonet** in-between offers leak detection.

- **Non-woven geotextiles** protect the geomembrane from puncture by the subgrade and/or by an overlying protection layer.
- **Geonet-composite drainage products** can replace subsoil drains placed below the geomembrane or release gas trapped under a geomembrane.
- **Textured HDPE geomembranes** can be used for slope stability or to provide traction for safety around impoundments.

Geosynthetics are kind to the environment. They minimize the need to mine, then transport high quality granular materials. They also outperform traditional, high-energy consuming solutions, offering outstanding engineering performance.

Advantages

- High-quality lining solutions with stringent quality-control strategies
- Excellent chemical resistance
- Low permeability
- Outstanding UV stability and long-term durability

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