

# Earth Dams – Geomembrane Solutions

- ➔ Earth Dam design.
- ➔ Civil works, canals and silt traps.
- ➔ Various liner types and thicknesses HDPE & LDPE.
- ➔ Dam cleaning solutions.
- ➔ Pumps, filtration & pipe work.
- ➔ Turnkey lining solutions.



## Earth works and civils

- Earth dam design and excavation.
- Suitable for landfills, wetlands and water storage.
- Storage of larger volumes contaminated water that needs to be processed.
- Used extensively in mining and waste water treatment.



## Lining of earth dams.

- Various liner options available.
- HDPE and LDPE lining solutions.
- Leak detection membranes.



Different material types and thicknesses.

- Qualified staff members.
- Return water pipe work.
- Suitable for process water in mining applications and storage of large volume potable water
- Storage capacity up to 4.0 ML .
- Various liner options available depending on the application.



### Turnkey mining solutions.

- Typical contaminated buffer water storage solution.
- The water is then sent to a treatment plant for processing according to DWAF requirements.
- Water treatment, filtration and suspended solid removal.
- Coal fines removal.



## Reed bed filters

- Used in sewage treatment plants.
- PVC – Supported. Food grade and process water. 600 – 1000 gsm.
- HDPE, suitable for potable and process water storage. 1 , 1.5 and 2mm thickness.
- LDPE, suitable for potable and process water storage. 1 and 1.5mm thickness.



## Ornamental ponds and liners.

- Lining of lakes and municipal ponds.
- Ornamental water features and sprayers.
- Suitable for parks and public areas.
- Cleaning and refurbishment of water features.



## Cleaning and maintenance of silt traps

- Maintenance and cleaning contracts.
- Silt removal from canals, silt traps and dams.
- Maintenance of pumps and pumping stations.
- Design of pollution control systems.
- Oil and water separators.





## Cleaning of silted dams

- Silt removal and de contamination of pollution control dams.
- Maintenance contracts for dam cleaning.
- Safe disposal of contaminated waste.
- Water and pollution control management with independent testing services.

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For queries and enquiries please contact us :

[sales@hydrex.co.za](mailto:sales@hydrex.co.za)

Tel : +27 11 440 4472