

MODULAR INSULATED COVERS



MAXIMIZE THE EFFICIENCY OF YOUR WASTEWATER LAGOON TREATMENT

-  **ENHANCE WASTEWATER TREATMENT ALL YEAR**
-  **HELPS CONTROL ODOUR**
-  **HELPS CONTROL ALGAE**

Modular Insulated Covers (MIC) are designed to help retain heat in water and wastewater ponds, and to protect against process heat loss and cold temperatures. A properly designed MIC system is an economical way to add insulation to open ponds or tanks retaining heat which can assist the biological degradation of waste materials. Common applications include modular cover systems for waste water, lagoons and tank systems.



WHAT HAPPENS TO WASTEWATER IN A COLD ENVIRONMENT?

When temperatures drop below zero, the efficiency for BOD removal as well as Nitrification drops significantly. Meaning in regions such as Canada and the Northern US States, your wastewater treatment performance can be impacted for up to 6 months per year.

If the wastewater is not properly treated, the release of the treated wastewater may not meet the discharge guidelines due to higher BOD's and ammonia levels in the water.



WHAT ARE THE BENEFITS OF MODULAR INSULATED COVERS?

- ✔ PROVIDES THERMAL INSULATION
- ✔ HELPS CONTROL ODOURS
- ✔ HELPS CONTROL ALGAE BY SHIELDING SUNLIGHT
- ✔ ADAPTS TO WATER LEVEL FLUCTUATIONS
- ✔ EASE OF MAINTENANCE
- ✔ CUSTOM DESIGNED TO FIT SPECIFIC BASIN DIMENSIONS

Properly designed Modular Insulated Covers have demonstrated the ability to hold temperatures steady around 10°C [45-50°F], even when temperatures dip as low as -40°C [-40°F]. With properly designed and installed cover systems you can treat wastewater all year round.

Modular Insulated Covers are not only effective in the winter, but they also can increase the efficiency of your lagoon system in the summer. They keep the temperature at a constant all year round, helping you manage the entire wastewater treatment process much more efficiently.

