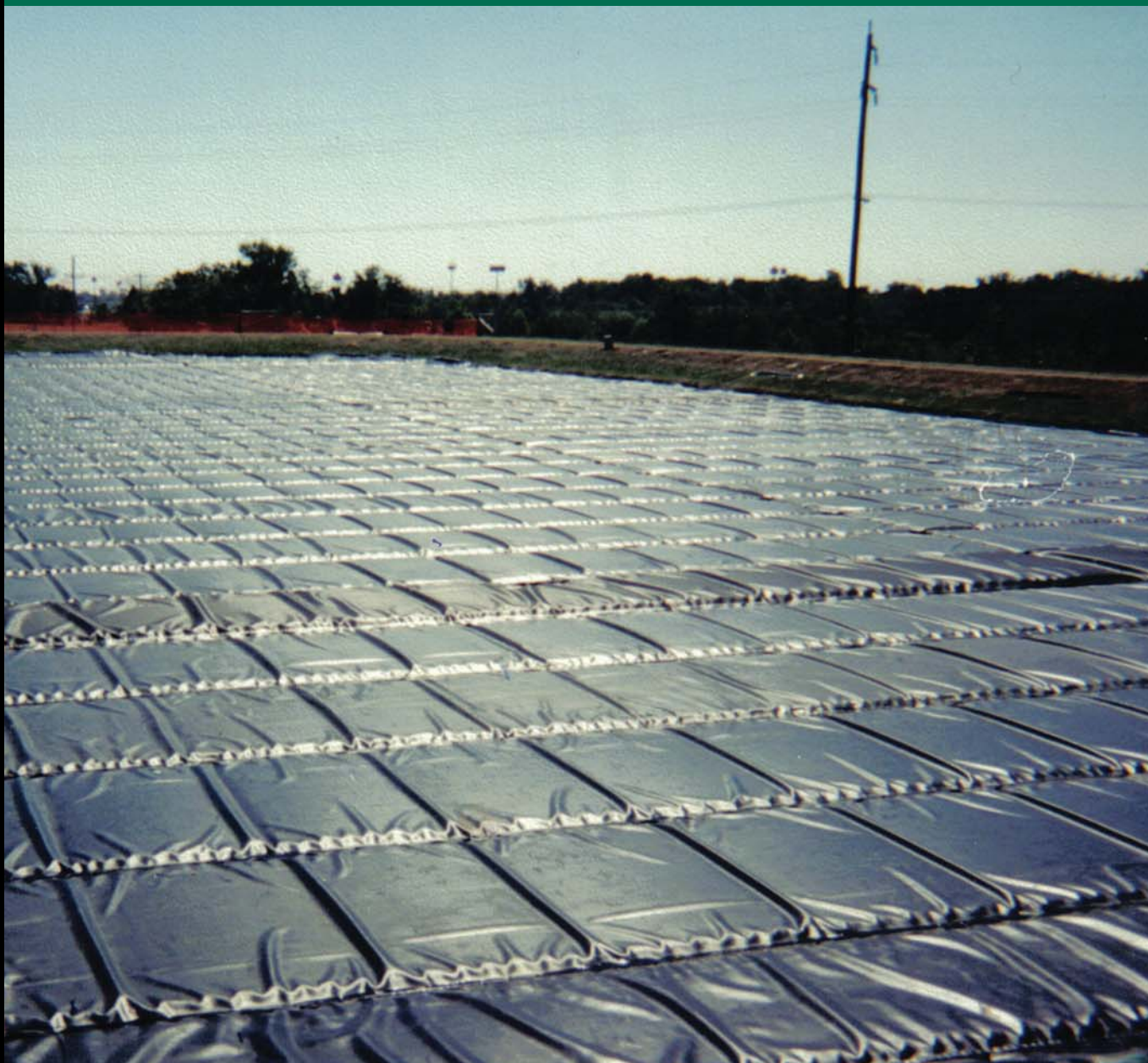


LemTec™ Covers



LEMNA
TECHNOLOGIES, INC.

Innovative Cover Solutions



AMERICA'S #1 WASTEWATER COVER

BEST SELLING COVERS IN THE INDUSTRY

Let Lemna improve the performance of your existing wastewater treatment facility. We solve problems of odor, algae and heat loss in any tank or lagoon. Our covers are simple and virtually maintenance-free. We can provide a custom design, based on your needs, in your time frame. We have hundreds of wastewater treatment facilities to our credit . . . *Let us work for you.*



LemTec™ Modular Insulated Covers are the premier floating modular covers in the market offering solutions for odor containment, heat retention, algae control, bird/animal mitigation and improvement of effluent quality in tanks and ponds.

MUNICIPAL AND INDUSTRIAL



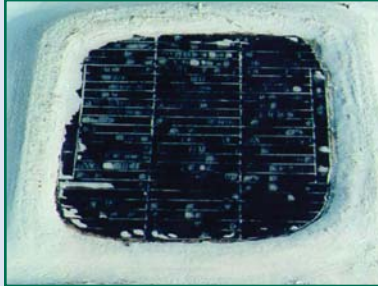
LemTec™ Gas Collection Covers are less expensive than traditional technologies while also providing additional benefits such as heat retention, serviceability and easy equipment access. Our covers are maintained under a negative pressure, therefore eliminating huge ballooning and water entrapment that are common with other cover manufacturers covers.

LEMTEC™ FAMILY OF COVERS

Algae Control



Heat Retention



Odor Control



Industrial Gas Collection



Hazard Mitigation



Agricultural



Potable Water



Aerobic



Anaerobic



Tank



Chlorine Tank



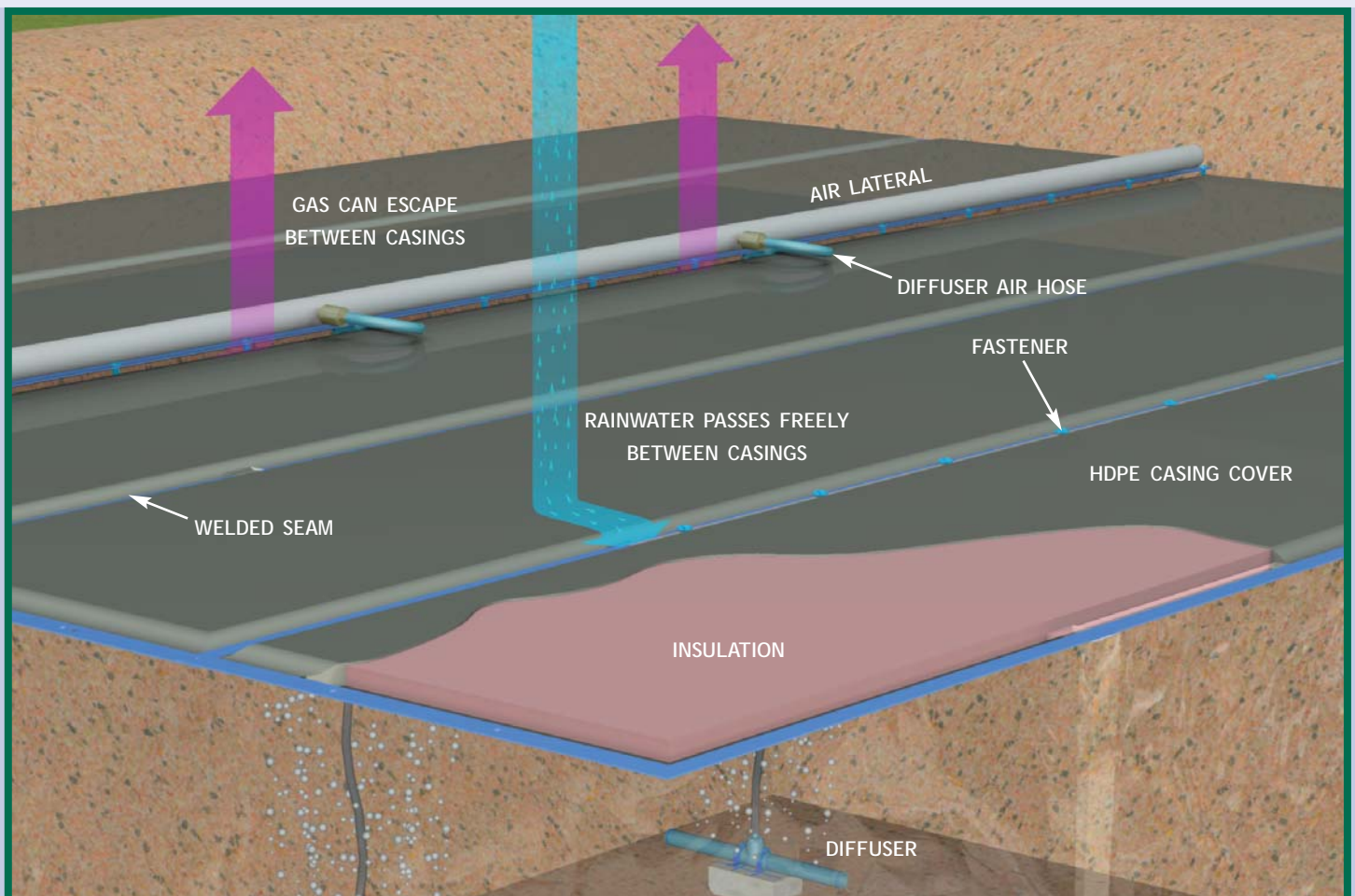
Digester



INSULATED MODULAR COVER

FIRST AND STILL THE BEST . . .

Lemna Technologies was the **1st** company to introduce a floating modular cover system in the wastewater industry. This innovative patented cover solution consists of individual casings that are fastened together to form a complete cover over the water surface. Each individual casing consists of closed cell insulation sealed between two sheets of durable geomembrane. The result is a cost-effective, easy to install, maintenance-free solution.



SIMPLY THE BEST



BEFORE

OTHER COVER SUPPLIERS
TYPICAL PROBLEMS



AFTER

LEMNA'S COVER SOLUTIONS



Rainwater Ponding

Problem

Eliminated

Ballooning

Gas trapped causes ballooning

Gases escape between casings

Heat Loss

Uninsulated-heat escapes

Insulation provides heat retention

Varying Water Levels

Water level limitations

Adapts to any variation in water level

Custom Hatches

Not available or cumbersome

Access to submerged or floating equipment, or for sampling

Rainwater Collection Pumps

Required

Rainwater passes between casings

Field Welding at Installation

Required

Not Required

Maintenance and Repair

Entire cover needs to be removed

Only individual casings need to be removed

Installation

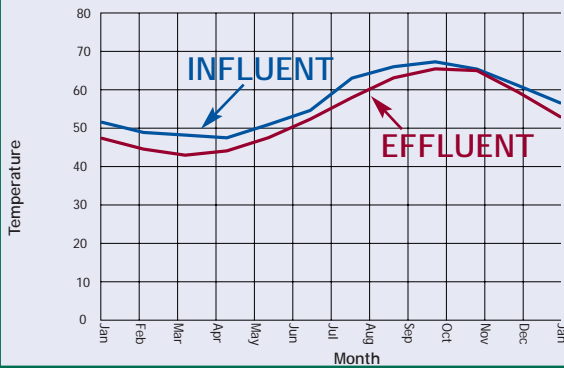
- Large crew
- Heavy mechanical equipment
- Basin usually needs to be empty

- Small crew
- No heavy equipment
- Basin can be full or empty

LEMTEC™ MODULAR INSULATED COVER



WISCONSIN HEAT RETENTION DATA

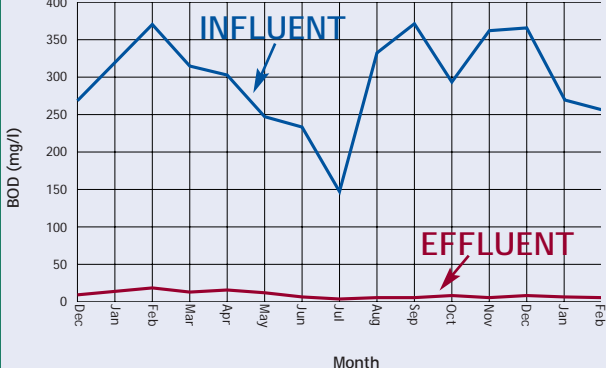


PROBLEMS SOLVED

EXCELLENT BOD REDUCTION



WISCONSIN BOD LAB DATA



REDUCED CHLORINE DEMAND



LEMTEC™ MODULAR INSULATED COVER

BEFORE



EXCELLENT TSS REDUCTION

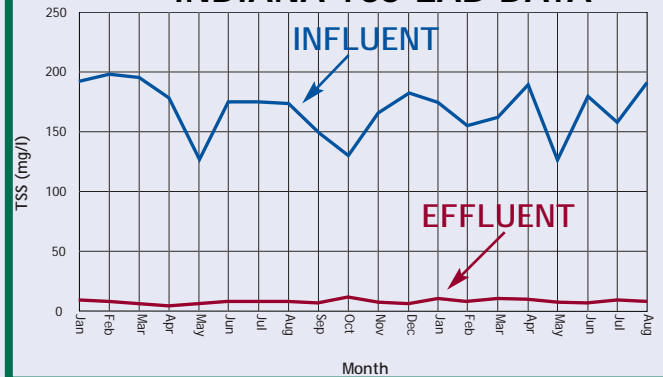


PROBLEMS SOLVED

AFTER



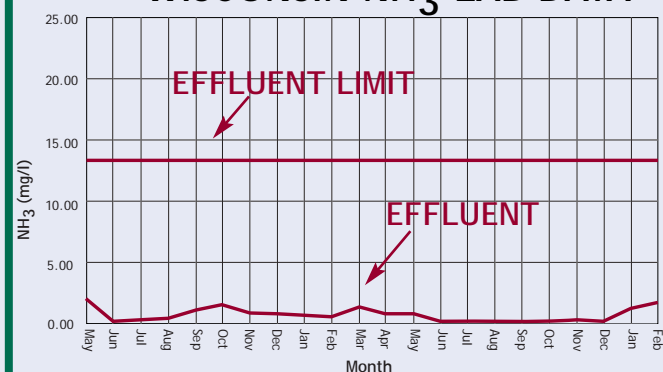
INDIANA TSS LAB DATA



EXCELLENT
AMMONIA REDUCTION



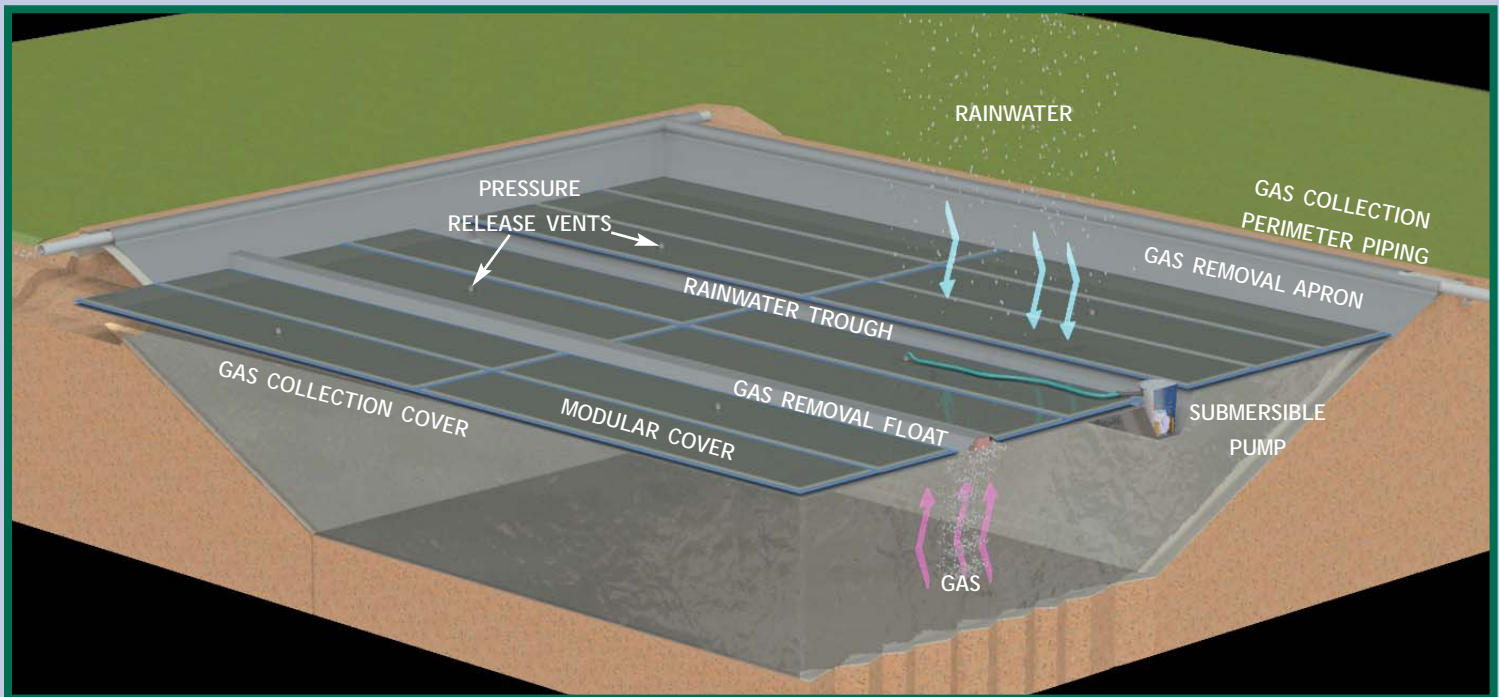
WISCONSIN NH₃ LAB DATA



GAS COLLECTION COVER

WE TAKE NO SHORT-CUTS IN QUALITY, OUR GAS COLLECTION COVERS ARE BUILT WITH **100% VIRGIN PLASTIC**, **100% OF THE TIME**

- Wide selection of design options available to meet a variety of budgets.
- Easily adaptable to accommodate a wide range of “R” Values.
- Air-tight cover traps and efficiently channels gas to perimeter for draw-off.
- Rainwater quickly and easily removed via low horsepower surface pumps.
- Years of trouble free service.



LEMTEC™ GAS COLLECTION COVER



THE LEMTEC™ GAS COLLECTION COVER PROVIDES AN IDEAL
SOLUTION FOR ODOR CONTROL AND HEAT RETENTION IN
INDUSTRIAL APPLICATIONS



LEMNA ADVANTAGES



FULL ENGINEERING SERVICES PROVIDED

- Project Plans and Specifications at NO COST
- Detailed drawings and budgets
- Complete proposals with design and pricing
- Installation estimates and requirements
- Guaranteed results
- Full Warranty

YEARS OF *NO* MAINTENANCE AFTER INSTALLATION

- Rain and snow melt drain off cover . . . *guaranteed*
- Cover is easily removable
- Easy access to aeration and mixing equipment
- UV resistant
- HDPE provides years of maintenance-free operation
- Snow, rain or gas-no problem



FAST INSTALLATION

- Most covers are installed in less than a week
- Installed when basin is either empty or full
- Installed when process is online
- Installed with little to no field welding
- Installed with a *small* crew
- Installed with little or no heavy equipment
- Installation supervision by our site superintendents with *millions of installed square feet of geomembrane experience*

IDEAL FOR INDUSTRIAL PROCESSES

- Food processing plants
- Pulp and paper plants
- Chemical plants
- Heavy and light manufacturing
- Mining
- Dairies
- Feedlots
- Pharmaceutical



LEMNA ADVANTAGES



CUSTOM DESIGN

- Designed to accommodate any type of cutout, contour or equipment penetration
- Meets snow load requirements
- Meets high wind requirements
- Meets heat-loss requirements
- Meets access hatch and walkway panel requirements
- Meets any basin configuration requirements

YEARS OF PROVEN RESULTS

- No odor
- No ponding
- No ballooning
- No leaks
- No problem



WE OFFER THE *MOST* OPTIONS IN THE INDUSTRY

- Individual removable panels
- Walkways
- Access hatches
- Sampling ports
- Metal tanks
- Concrete tanks
- Earthen basins
- Heat retention
- Effective rainwater removal
- U.V. resistant components
- Stainless steel components



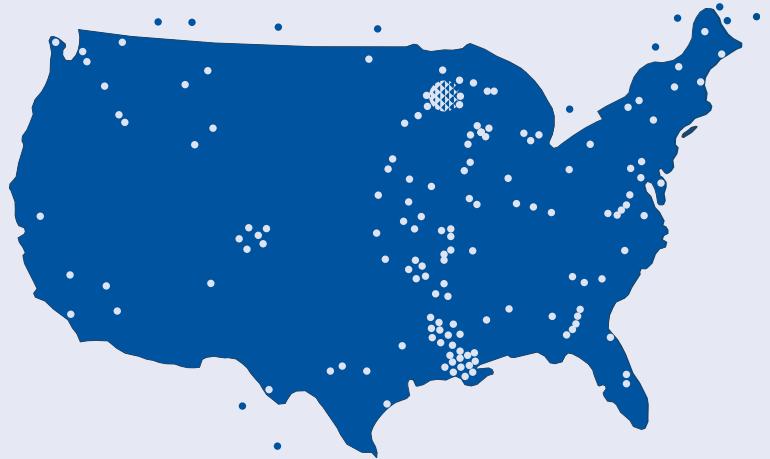
**LEMNA IS THE LEADER IN MAINTENANCE-FREE
MODULAR COVER DESIGN, SUPPLY AND INSTALLATION**

AMERICA'S WASTEWATER COVER

Lemna has been the world leader for more than 25 years in high-performance lagoon-based wastewater treatment technologies. We have 100's of treatment facilities with installations on four continents.

Headquartered in Minneapolis, Minnesota, Lemna designs and installs systems for all municipal and industrial applications. Whether supplying a floating cover to control odor or algae, or providing a turn-key wastewater treatment system to meet strict limits, "Lemna always has the solution to meet our customer's needs."

**"LET US
DESIGN A SYSTEM
FOR YOU"**



LEMNA TECHNOLOGIES, INC.

2445 PARK AVENUE

MINNEAPOLIS, MINNESOTA, U.S.A. 55404-3790

PHONE: (612) 253-2002

FAX: (612) 253-2003

E-MAIL: TECHSALES@LEMNA.COM

WWW.LEMNATECHNOLOGIES.COM