

CASE HISTORY

CLIENT: Food Processor
LOCATION: Maine
APPLICATION: Insulated Gas Collection in an anaerobic basin
PRODUCT: LemTec™ Modular Insulated Cover System

BACKGROUND

A large employer in upper state Maine wanted to expand their food processing capability. As part of that expansion, they needed to build an anaerobic digester that would retain heat in the cold climate of Maine, and be able to collect the bio-gas produced. Lemna was asked to turn-key a bio-gas design and install the system before cold weather set in.



PROJECT INFORMATION

Lemna committed to the client the system would be installed and operational before winter. However, construction delays resulted in Lemna's start date for fabrication and installation of the 134,756 ft² be delayed until October.

LEMTEC™ SOLUTION

An innovative solution was jointly developed between the client and Lemna. A simple but effective underground heating system was installed to maintain critical welding temperatures of the geo-membrane material. Lemna's field crew insulated the work area with blankets to protect the surfaces from frost and ice accumulation.

Additional manpower and extended working hours were added to insure the project met its goal.

RESULTS

The last bolt was tightened under a brutal howling wind from the North. Performance of both the installation crew and cover system met the expectations of client. Since this installation, the client has ordered several additional Lemna cover systems.

For more information, please contact:

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