

# Next Phase of Geologic Research on Lake Maurepas

Drilling rig is establishing permitted Class V test well



## Test Well Drilling on Lake Maurepas

Air Products is currently drilling a permitted test well in the southern portion of Lake Maurepas to further assess the pore space under the lake to ensure it's suitable for carbon capture as part of the Louisiana Clean Energy Complex. A second well on the northern portion of the lake is currently in the permitting process.

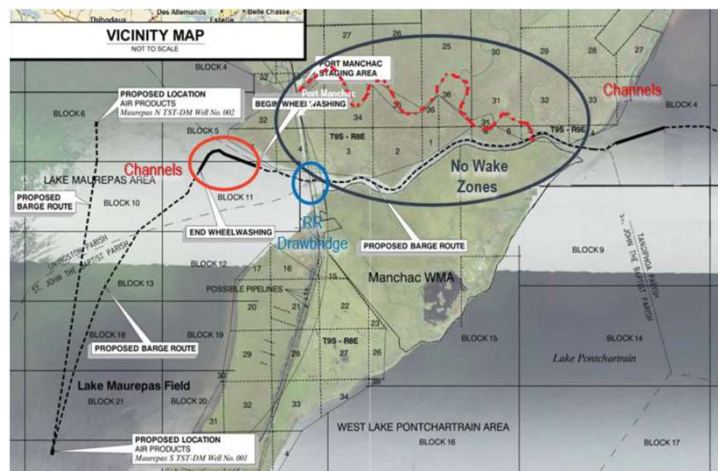
Lake users can expect to see barges, tugboats, a drilling rig, crew quarters and other equipment on the lake. The rig will be staffed 24-hours a day for around-the-clock monitoring.

Workers will be collecting materials such as core and fluid samples to supplement the data gathered during seismic testing.



Example of what drilling rig will look like on Lake Maurepas.

## Approved project map (for illustrative purposes only)



## What to expect and when

- ✓ Late July: Equipment travelled to Lake Maurepas
- ✓ August 2: Public hearing for north well drilling permit
- ✓ Early August: Well pad construction started
- ✓ Mid-August: Drilling begins on south well
- ☐ End of 2023: Drilling of south well expected to end pending weather conditions

## COMPLETED: End of Seismic Testing

- Seismic testing was a critical first step in the development of the carbon sequestration facility at Lake Maurepas.
- The now completed testing helps to ensure the pore space is suitable to safely and permanently store carbon dioxide emitted from Air Products' clean hydrogen production plant.
- The results of the testing will be further confirmed through the drilling of a test well – the next step in the project timeline.

Updated: October 2023

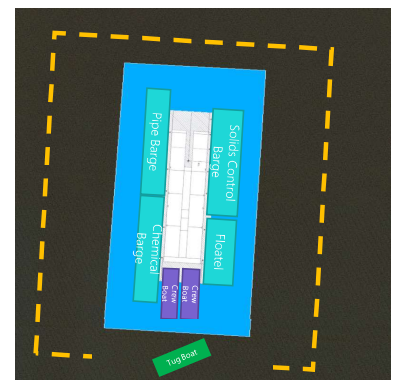
## Boater and Lake Safety

We are committed to ensuring the structures we use on Lake Maurepas are as unobstructive to daily use of the lake as possible – and boaters can easily see for safety purposes.

Buoys and flashing lights are placed around the perimeter of the rig to provide a robust visual safe buffer zone. Boaters should stay outside of these buoys and 500 feet from the rig area for their safety and the safety of the workers.

Air Products is posting weekly safety updates for boaters and people who access Lake Maurepas.

Scan this QR code with your cell phone camera to get the latest boater safety updates.



# Louisiana Clean Energy Complex

## Securing Louisiana's Energy Future

Air Products' clean energy complex will strengthen American energy independence, make significant contributions to Louisiana's economy, and position the state as a global leader in next-generation energy production.



**LOUISIANA**  
CLEAN ENERGY

### Economic Highlights

**170**

New permanent jobs created at clean energy complex

**\$93,000**

average salary of permanent jobs created

**2,000**

construction jobs, as well as 400 indirect jobs, over the next three years

### Bigger Picture: Louisiana Clean Energy Complex (LCEC)

The Ascension Parish facility is one piece of a broader complex aimed at making Louisiana a leader in clean energy production. The LCEC will use proven carbon capture and sequestration technology to capture 95 percent of the carbon emissions made during the production of clean hydrogen at its plant, then safely and permanently sequester the CO<sub>2</sub> more than a mile beneath Lake Maurepas. Clean hydrogen is seen as critical to decarbonizing heavy-duty sectors, including transportation and industry.

#### LCEC Project Timeline

**2024**

Expected pipeline and aboveground facility construction

**2026**

Expected onstream

**2051**

Anticipated 25-year facility operation

**50+ years**

Anticipated monitoring completion

## Why Lake Maurepas

- Louisiana's geology is among the best in the world to permanently store CO<sub>2</sub>.
- The geologic pore space is located one mile under the lake and will safely store CO<sub>2</sub> without affecting wildlife or drinking water.
- The pore space is covered by caprock, which acts as a seal to permanently lock in the CO<sub>2</sub>.
- Air Products will conduct **extensive safety monitoring** throughout the life of this project. The monitoring is anticipated to last for at least **50 years**.

### Our Long History in Louisiana

**55+**

years of operation

**18**

operating facilities

**330**

Louisianians currently employed