



Crude Move

CRUDE OIL MOVEMENT IN THE GREAT LAKES BASIN: 101

Great Lakes Webinar Series

Join the Great Lakes Sea Grant Network and Great Lakes Commission for a webinar series. Crude Move participants will explore the movement of crude oil across the Great Lakes Basin.

GOALS

- Explore the issues, risks, interests and options for moving crude oil throughout the Great Lakes Basin,
- Examine the systems of influence creating current infrastructure,
- Discuss transportation options with reference to environmental, social and economic systems.

These webinars are **FREE** and start at **1PM EST**.
To participate, register at Go.osu.edu/crudemove.

March 3	Crude Oil Movement in the Great Lakes Basin Properties and Pathways
April 13	Understanding Hazards, Risk and Security Health, Safety and Environmental Impacts
June 15	Spill Response Requirements and Regional Capacity Regulations and Resources
August 17	Regulatory requirements and Activities Creating tools for addressing multiple objectives

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THIS IS A “WICKED PROBLEM”

Crude oil extraction, transportation, refining and distribution present us with truly “Wicked Problems,” a theory defined by interrelated systems and misunderstood values. The issues created by our choice to use crude oil and its refined products impact both opportunity and degradation across many spheres of social, economic and environmental interest. Probing system interconnectivity and the domino effect of choice, the Crude Move webinars offer a fresh approach to this wicked problem.

WHY SO WICKED?

No doubt about it: oil is a commodity that impacts our **social, economic and environmental well-being**. Crude oil has moved through the Great Lakes basin for decades, but new developments in U.S. export policy and growing production in the North Dakota Bakken and Alberta Tar Sands have increased the pressure to move crude oil to refineries in the basin and beyond. The webinars will define how transportation options and different types of crude oil moved present both risks... and benefits.

WHY THE GREAT LAKES BASIN?

Potential oil spills anywhere within the Great Lakes watershed pose risks to both the system and its communities. The region is particularly dependent on petroleum products because of regional industry and businesses. Yet its geography presents challenges with regard to the transportation of oil. By examining the unique “system of systems” related to our crude oil movement choices, the webinars seek to illuminate issues and opportunities, and the cascading outcomes created as we seek to make wise management choices.

WHAT ARE THE TRANSPORTATION CHOICES?

Crude oil can move by **pipeline, rail, ship and barge, and truck**. However, the relative social and environmental risks and costs are not clear. Hazardous cargo like crude oil lends itself to an interest in better understanding relative risk—such as spill mitigation. The webinar inquiry will include crude oil characteristics, transportation options and hazard evaluation seeking to better comprehend risk and the absolute costs of our choices, while keeping in mind our “triple bottom-line” of social, economic and environmental values.

Crude oil and its refined product take many forms. They impact mobility, quality of life, national security, economic and environmental health. Choose wisely.