

**SHIPPING &
TRANSPORTATION**

**NORTH DAKOTA REACTS
TO PUBLIC CONCERN
OVER CRUDE OIL
TRANSPORTATION**



CASE STUDY | NORTH DAKOTA

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CHALLENGE

In 2012, North Dakota became one of the world's largest sources of light crude oil. In the absence of a developed pipeline network, most of the crude oil was being transported by road and rail to facilities, refineries and terminals across North America. In 2013-2015, a series of oil train derailments in the U.S. and Canada (and two in North Dakota itself) caused major public concerns.

We're market leaders in resilience for shipping and transport. We've partnered with over 800 ship owners and managers, supporting more than 11,000 vessels. We've advised rail and onshore logistics providers.

SOLUTION

Following these incidents, North Dakota engaged Witt O'Brien's to develop a response preparedness study for crude oil transportation incidents across the state. We risk-ranked crude-oil transportation by pipeline, rail and truck, to identify geographic areas of vulnerability and to assess incident response capabilities and preparedness.

We draw on this experience to help you prepare, comply and respond.

RESILIENCE DELIVERED

Our report concluded that of the options available in the short term, rail transportation was the most economical means to transport bulk crude oil from the oil fields to refineries and terminals. We then helped state, local and tribal governments to reduce risk and local vulnerabilities through policy changes, planning, training, staffing, equipment, public education and information sharing. Our biggest contribution was ultimately sharing the knowledge gained through the study with these governments and educating those who would prevent emergencies to encourage the best outcome possible, incident prevention.

CONTACT AN EXPERT



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