



**GLOBAL**  
ENVIRONMENTAL  
ENGINEERING INC.

Client: Michigan Department of  
Environmental Quality (MDEQ)

Project Budget: \$125,615.00  
Contract Start Date: Dec, 2008  
Completion Date: Jun, 2011



## Woodland Oil MDEQ Traverse City, MI

On this State Funded Clean-Up project, Global was the project engineer and was responsible for the design of an air sparging/soil vapor extraction remediation system. The system included five soil vapor extraction wells and twelve sparging wells that operated on a rotating schedule. One of the soil vapor extraction wells and nine of the sparging wells were installed as horizontal wells beneath M-72 using directional drilling method. Global designed the system, prepared the plans and specifications, oversaw bidding and oversaw the installation as well as subsequent operation of the treatment system.



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