



LANDSLIP RAPIDLY PROGRESSES TOWARD LIMIT OF DISTURBANCE

KLEIN CREWS PERFORM GROUND FAILURE MITIGATION IN WEST VIRGINIA

On semi-mountainous terrain, slips and landslides present serious hazards on the project site. When gas lines are laid in the ground, if the land is not replaced as compactly as it was before, portions of the ground can fail. Energy Transfer experienced this problem when there was a landslide on their right of way.

When KLEIN crews received the call, they knew they needed to act fast. Within 48 hours the slip had already progressed enormously and they now faced the risk of material slippage outside the set limit of disturbance.

After assessing the site, multiple spring heads were identified causing extremely unstable soil conditions on very steep ground. Crews installed a temporary access road and were able to perform temporary site stabilization. Once stabilized, KLEIN crews applied calciment and installed numerous erosion and control methods to protect the land until a more permanent solution could be put in place.

By performing stabilization quickly and efficiently, KLEIN crews were able to stop the slip before it reached the limit of disturbance and repair the land to a workable, safe condition.



-  Pipeline
-  Energy Transfer
-  Sisterville, WV
-  www.kleinaccess.com

TERRAIN

- Semi-Mountainous

CHALLENGES

- Environment
- Water
- Slippage



CHALLENGES & SOLUTIONS

ENVIRONMENT

1

The land was slipping toward a drop that contained a small pond so crews installed a variety of erosion and sediment controls to protect the waterway and control runoff.

WATER

2

After identifying where each spring head was located, KLEIN crews were able to install a drainage system with material stockpiling allowing the water to flow through controlled discharge points.

SLIPPAGE

3

The risk of materials sliding toward the set limit of disturbance was high since they were near a powerline, so crews performed temporary site stabilization by using a benching method to protect employees and materials from slipping.

PROJECT STATS

9

PERSON

crew

14

DAY

project duration

KLEIN

GET IN TOUCH.

www.kleinaccess.com

330-877-0458