



Tennessee Gas Pipeline  
Company, L.L.C.  
a Kinder Morgan company

# Survey and Environmental Fieldwork for Tennessee Gas Pipeline Company, LLC

## An Information Guide for Private Property Owners

### Introduction

Tennessee Gas Pipeline Company, LLC, a Kinder Morgan Company ("Tennessee") is investigating the possibility of constructing and operating a natural gas pipeline in your area. Tennessee must submit engineering plans and detailed environmental data to local, state and federal agencies to allow for a thorough analysis of potential project impacts. As part of the planning process, Tennessee will be conducting field surveys and evaluations of the proposed construction location. The information gathered answers many of the survey-related questions commonly asked by landowners.

Generally, up to five types of surveys may be required on an individual's property: (1) civil surveys which identify the boundaries of the corridor for all other surveys, obtain an accurate description of existing features, and locate the future pipeline, (2) geotechnical surveys (3) archaeological surveys, (4) wetland and stream surveys, and (5) Surveys for rare, threatened, or endangered species. Highly trained engineers, scientists and technicians operating under the guidance of project managers perform these surveys.

### Why do you need to survey?

Having accurate, current information along the proposed

Pipeline route is necessary for the regulatory permitting processes and to identify appropriate construction techniques. Some of this information is found in maps, aerial photos, and public records. However, some data must be obtained on site.

### What happens during civil surveys?

A Tennessee representative (right-of-way agent) will contact you prior to survey crews entering your property. The survey crews will place stakes at intervals along the proposed pipeline centerline and at certain other locations to mark features such as angle points or property lines. Surveyors' stakes are left in place to serve as a guide to other specialists (e.g., engineers, appraisers, environmental scientists) who may need to conduct investigations of the right-of-way. When the final survey crew has completed their work, the stakes will be removed. Occasionally, incidental damages can result, which are typically very minor but understandably important to Tennessee and landowners. Tennessee will fairly compensate landowners for any documented damages if they occur.

### What is a geotechnical survey?

In order to design the pipeline, it is important to gather information about the types of soil and underground rock in areas where the pipeline would cross features

such as large rivers or roads. At specific sites, a truck mounted drilling rig will drill a 3- to 6-inch- wide hole and obtain soil and rock samples. Two to four small trucks with trailers will support this work. Tennessee will need landowner directions and permission to move these vehicles to and from the site. After the samples are collected, the borehole is completely filled and the work site restored. Each boring typically takes 1 to 3 days depending on the types of soils and the depth of the boring. The Tennessee Right of Way Agent will inform you if this type of survey is needed on your property.

### What do you look for during environmental fieldwork?

This varies depending on the types of property crossed and applicable regulatory requirements. Frequently, we need to conduct archaeological surveys and wetland delineations. Other studies, such as surveys of vegetation and wildlife, soil testing, or stream crossing surveys, may also be necessary.

### How will this survey work affect me?

Generally, environmental field studies cause little or no disruption to landowners. Field crews may walk along the proposed right-of-way crossing your property. In some cases they may need to dig small holes or leave small wooden stakes (called lath) behind. Disturbance is minimal and short term.

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