

August 4, 2009

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Tennessee Gas Pipeline Company
Abbreviated Application for a Certificate of Public Convenience and Necessary to
Construct, Install, Modify, Replace, and Operate Certain Pipeline and
Compression Facilities
Docket No. CP09-444-000

Dear Ms. Bose:

On July 17, 2009, Tennessee Gas Pipeline Company ("Tennessee") filed the above-referenced certificate application with the Federal Energy Regulatory Commission ("Commission") in Docket No. CP09-444-000. Tennessee is seeking a certificate of public convenience and necessity to construct, install, modify, replace, and operate certain pipeline looping and compression facilities to be located in Pennsylvania and New Jersey (collectively referred to as the "300 Line Project" or "Project").

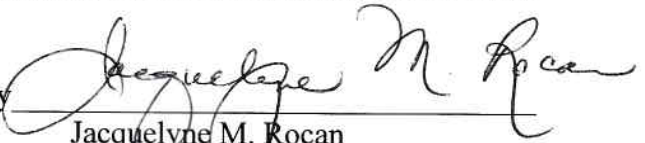
In response to a request from Commission Staff, Tennessee is providing electronic versions of the hydraulic models used to prepare Exhibit G, Flow Diagrams Showing Daily Design Capacity and Reflecting Operation with and without Proposed Facilities Added. Also, Tennessee is providing electronic versions of the hydraulic models prepared to analyze the potential Eastern Alternative for Loop 325 and the alternate locations for new Compressor Station 310, as discussed in Resource Report 10 of the Environmental Report submitted as Exhibit F-1 to the certificate application. The assumptions used by Tennessee in the hydraulic model used to analyze the alternative locations for new Compressor Station 310 are enclosed as well. These hydraulic models are sensitive, protected Critical Energy Infrastructure Information as defined in Section 388.113(c) of the Commission's regulations, 18 C.F.R. § 388.113(c)(2008). Accordingly, the compact disc containing the hydraulic models is marked "Contains Critical Energy Infrastructure Information - Do Not Release." In addition, these models contain commercially sensitive information and are submitted under a request for confidentiality pursuant to Section 388.112 of the Commission's regulations, 18 C.F.R. § 388.112 (2008).

In reviewing the hydraulic model prepared to analyze the alternative locations for new Compressor Station 310, Tennessee determined that a modification is needed to the discussion in Section 10.4.2.1 of Resource Report 10 regarding the length of additional looping that would be required if the alternate locations for the compressor station were selected. The attached text of Section 10.4.2.1 of Resource Report 10 has been revised to reflect the modified mileage and replaces the text of that section which was filed with the certificate application.

Any questions concerning this filing should be addressed to the undersigned or to Mr. Thomas Joyce at (713) 420-3299.

Respectfully submitted,

TENNESSEE GAS PIPELINE COMPANY

By 

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Enclosures

cc: Mr. David Hanobic (Commission Staff)
Mr. Joseph Caramanica (Commission Staff)
Official Service List

**Tennessee Gas Pipeline Company
Docket No. CP099-444-000**

**Hydraulic Model
Alternative Locations for New Compressor Station 310**

Assumptions Used

- A summer model was used to evaluate the design and alternatives for the section of 300 Line located west of Compressor Station 313, including new Compressor Stations 303 and 310, and existing Compressor Stations 307 and 313. This section is a critical pathway used by customer to transport gas to and from northern storage fields that are connected to Tennessee's system.
- For purposes of the evaluation, the 6, 9, and 14 mile alternative sites for Compressor Station 310 were located between new Compressor Station 310 and existing Compressor Station 313.

**Tennessee Gas Pipeline Company
Docket No. CP099-444-000**

**Resource Report 10
Revised Section 10.4.2.1**

10.4.2.1 Alternative Site - Compressor Station 310

One alternative site for Compressor Station 310 (Site B) was identified in Sergeant Township, McKean County, Pennsylvania. The site is located in close proximity to the preferred site and adjacent to County Route 146. The alternative site includes high quality timber growing land and is within close proximity to seasonal and year round residences. Any site work would require significant clearing of forest resources. The proximity of the nearest NSA to the alternative site was significantly closer than the preferred location. Potential environmental impacts, along with the location of NSAs, eliminated this alternative site from further consideration.

APA Watch, Inc. identified three alternative sites for Compressor Station 310, located approximately 6, 9, and 14 miles, respectively, southwest from the proposed location and along the existing 300 Line. Tennessee's hydraulic model indicates that each of the above alternate locations for Station 310 would necessitate additional looping west of Station 313 ranging in length from 5 to 8 miles of 36-inch diameter pipeline (dependent upon the distance from the proposed location). For the reasons stated in Section 10.2.3 above, the proposed Project scope does not include any looping in this region. The cost and environmental impact of building the additional pipeline looping make these alternatives locations not feasible for the relocation of Station 310.