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December 23, 2009

VIA ELECTRONIC AND U.S. MAIL

Thomas S. Burack, Chairman
New Hampshire Site Evaluation Committee
29 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095

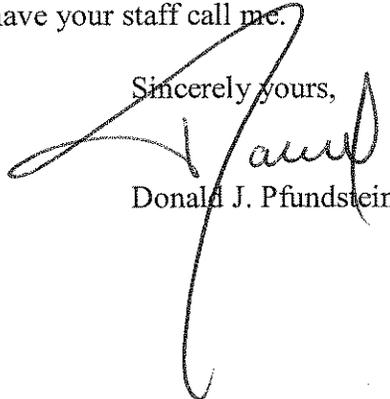
**Re: Docket No. SEC 2008-02 - Tennessee Gas Pipeline Company
Certificate of Site and Facility Concord Lateral Expansion Project ("Project")**

Dear Chairman Burack:

Enclosed for filing in the above-referenced docket is the Federal Energy Regulatory Commission ("FERC") authorization to commence service on the Project. Also enclosed is Tennessee Gas Pipeline Company's ("Tennessee") affirmative statement to FERC certifying that the facilities were constructed in compliance with all applicable conditions of the FERC Order Issuing Certificate ("FERC Order") and that continuing activities will be consistent with all applicable conditions. The FERC Order required Tennessee to file a noise survey within 60 days after placing the compressor station in service and the conditions pertaining to operation noise that were adopted as part of the Certificate of Site and Facility required Tennessee to file copies of all noise surveys filed with FERC to be filed with the Site Evaluation Committee. Accordingly, enclosed is the post-construction noise survey prepared by HFP Acoustical Consultants, Inc. that was filed with FERC by letter dated December 18, 2009. The attached survey concludes that the compressor station is in full compliance with the FERC sound level requirements.

If you have any questions, please have your staff call me.

Sincerely yours,


Donald J. Pfundstein

DJP/skr
Enclosures
cc: Service List

FERC Authorization

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

OFFICE OF ENERGY PROJECTS

In Reply Refer To:
OEP/DG2E/Gas Branch 1
Tennessee Gas Pipeline Company
Concord Expansion Project
Docket No. CP08-65-000

October 28, 2009
Jay V. Allen
Senior Counsel
Tennessee Gas Pipeline Company
1001 Louisiana Street
Houston, TX 77002

Re: Authorization to Commence Service

Dear Mr. Allen:

I grant Tennessee Gas Pipeline Company's (Tennessee) request, filed on October 20, 2009, to commence service its Concord Expansion Project (Project) in Hillsboro and Merrimack Counties, New Hampshire. Your request is in compliance with condition 8 of the Commission's August 28, 2008 *Order Issuing Certificate* (Order) issued to Tennessee in the above-referenced docket. Based on our field inspection conducted on October 26, 2009, and Tennessee's recent bi-weekly construction status reports, we find that Tennessee has adequately stabilized all areas disturbed during construction of the Project and that restoration is proceeding satisfactorily.

I remind you that Tennessee must comply with all remaining terms and conditions of the Commission's Order. If you have any questions, please contact the project manager, David Hanobic, at 202-502-8312.

Sincerely,

Lauren H. O'Donnell, Director
Division of Gas - Environment and
Engineering

cc: Public File, Docket No. CP08-65-000

Tennessee's Affirmative Statement to FERC



November 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
Concord Lateral Expansion Project
Docket No. CP08-65-000
In Service Notification

Dear Ms. Bose:

On August 28, 2008, the Federal Energy Regulatory Commission (“Commission”) issued its “Order Issuing Certificate” (“Order”)¹ authorizing Tennessee Gas Pipeline Company (“Tennessee”) to construct the Project. In compliance with Section 157.20(d)(2) of the Commission’s regulations, Tennessee hereby notifies the Commission that the Project facilities were placed in service on October 30, 2009.

Additionally, pursuant to Paragraph 9 of the Appendix attached to the Order, Tennessee encloses an affirmative statement certifying that the facilities were constructed in compliance with all applicable conditions and that continuing activities will be consistent with all applicable conditions.

Respectfully submitted,

TENNESSEE GAS PIPELINE COMPANY

By /s/ Jay V. Allen
Jay V. Allen
Senior Counsel
(713) 420-5589
(713) 420-1601 (Fax)

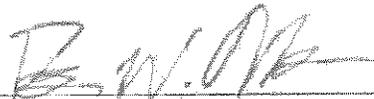
c: David Hanobic (FERC Staff)

¹ *Tennessee Gas Pipeline Co.*, 124 FERC ¶ 61,198 (2008).

TENNESSEE GAS PIPELINE COMPANY
CONCORD LATERAL EXPANSION PROJECT
DOCKET NO. CP08-65-000

I, Bryan Neskora, the undersigned authority for Tennessee Gas Pipeline Company, state the facilities constructed and placed in service to date have been constructed in compliance with all applicable conditions, and that continuing activities will be consistent with all applicable conditions. Tennessee has complied with, and will continue to comply with, all the certificate conditions outlined in its Order.

TENNESSEE GAS PIPELINE COMPANY

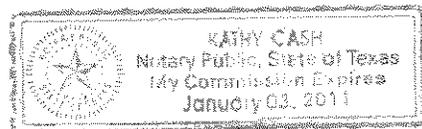
By 
Bryan Neskora
Senior Vice President
and Chief Commercial Officer

ASS 11/2/09

SUBSCRIBED AND SWORN to before me this 3rd day of November, 2009.


Notary Public

My Commission Expires: 1-3-2011



Post-Construction Noise Survey
As filed with FERC

December 18, 2009

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

Re: Tennessee Gas Pipeline Company
Concord Lateral Expansion Project
Docket No. CP08-65

Dear Ms. Bose:

Pursuant to Paragraph 13 of Appendix A attached thereof to the Federal Energy Regulatory Commission's Order Issuing Certificate dated August 28, 2008 ("Order"),¹ Tennessee Gas Pipeline Company hereby encloses a copy of the post-construction noise survey for the new Compressor Station 270B. As noted therein, the survey concludes that the compressor station is in full compliance with the Commission's requirements.

Respectfully submitted,

TENNESSEE GAS PIPELINE COMPANY

By /s/ Jay V. Allen
Jay V. Allen
Senior Counsel
(713) 420-5589
(713) 420-1601 (fax)

Enclosures

c: Mr. David Hanobic (FERC Staff)

¹ *Tennessee Gas Pipeline Co.*, 124 FERC 61,198 (2008).



ACOUSTICAL CONSULTANTS INC.

POST-CONSTRUCTION SOUND SURVEY

Tennessee Gas Pipeline Company

Compressor Station 270B1

Pelham, New Hampshire

Submitted by:

HFP Acoustical Consultants Inc.

HFP File 6514-1

December 18, 2009

**6001 Savoy Drive, Suite 115
Phone: 713.789.9400**

**Houston, Texas 77036
Fax: 713.789.5493**

**#1140, 10201 Southport Road S.W.
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**Calgary, Alberta, Canada T2W 4X9
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1 Executive Summary

HFP Acoustical Consultants Inc. of Houston, Texas conducted an environmental sound level survey at the request of Tennessee Gas Pipeline Company. The survey was conducted at Compressor Station 270B1 near Pelham, New Hampshire on December 10, 2009.

The purpose of the survey was to determine compliance with the noise requirements set forth by the Federal Energy Regulatory Commission (FERC).

Measurements were made at four Noise Sensitive Areas (NSAs). The measurement results show that under full load operating conditions, Compressor Station 270B1 contributes less than 55 dB(A) Ldn at the nearby NSAs and **complies with the FERC noise requirements.**

2 Requirements

The sound level contributions from this compressor station are limited by the noise regulation governing interstate gas transmission compressor stations. The FERC regulation is receptor based, and limits compressor station noise contributions to no more than 55 dB(A) day-night average (Ldn) or, equivalently, no more than a continuous 48.6 dB(A) at the NSAs. The State of New Hampshire Energy Facilities Site Evaluation Committee adopted the FERC regulation requirements as sufficient to satisfy the noise portion of its permitting procedure for this Station.

3 Site Sound Level Survey

Tim Simmons, Ph.D., of HFP conducted the site sound level survey on December 10, 2009. Sound levels were measured at the four nearest NSAs. The NSA positions and sound level measurement results are shown in **Map 1**. All NSAs were residences.

3.1 Measurement Equipment

Equipment used during the site survey:

- Larson Davis Model 824 Real Time Analyzer / Sound Level Meter SN A0424
- Brüel and Kjær Model 4231 Calibration, SN 2022565

Equipment was field calibrated before and after the measurements. All instrumentation has current laboratory certification.

3.2 Weather Conditions

The weather conditions were appropriate for an environmental sound level survey as shown in Table 1.

	December 10, 2009
Average Temperature	42 °F
Average Relative Humidity	40 - 45%
Wind From	WNW
Wind Speed	0 – 10 mph
Sky Condition	Partly Cloudy
Ground Condition	Snow, approx. 6-9 inches with hard top

3.3 Station Operation

The Station has one centrifugal gas compressor. It is installed inside an acoustically insulated building, and is powered by a Solar Turbines Centaur 50 Gas Turbine. The Station was operating at the maximum possible load under the process conditions.

3.4 Noise Sensitive Areas (NSAs)

There are several residential NSAs within one mile of the compressor station. Residences that are a similar distance and direction from the station are grouped together. NSA 1 is a group of townhomes located to the north of the station. NSAs 2, 3, and 4 are all residences located east of the station along a frequently-travelled two lane highway. **Map 1** shows the distance and direction to each of these NSAs.

3.5 Measurement Results

Table 2 shows the sound levels (Leq, dBA) measured at each NSA, the equivalent day-night sound level (Ldn, dBA), and comments on the audibility of the compressor station sounds at each NSA during the measurement. Also shown are the distance and direction from the center of the compressor building to each NSA.

Table 2: Sound Level Measurement Results					
NSA	Distance (feet) (Note 1)	Direction	Leq, dBA (Note 2)	Equivalent Ldn, dBA (Note 3)	Comment
1	690	North	44.8	51.2	Station audible, other sounds include distant traffic and slight wind noise.
2	680	Northeast	44.5	50.9	Station not audible, audible sounds include distant traffic and slight wind noise.
3	650	East	44.4	50.8	Station not audible, audible sounds include distant traffic and slight wind noise.
4	590	Southeast	44.4	50.8	Station not audible, audible sounds include distant traffic and slight wind noise.

Notes:

1. Distance and direction have been estimated from aerial photographs of the site. All distances reference the center of the existing compressor building.
2. The NSA 1 reading was a 57-second Leq measurement, taken during periods of minimal environmental noise contributions from non-station sources such as traffic. NSAs 2, and 3 had measurement durations of 19 and 22 seconds, respectively.
3. The equivalent Ldn was calculated by adding 6.4 dBA to the measured Leq value to account for a 10 dBA penalty added during the nighttime hours (10:00 p.m. to 7:00 a.m.)

The compressor station was observably quiet, and produced minimal noise at the NSAs. At NSA 1, the station contribution was audible but was not the dominant environmental sound source. The sound levels measured at NSAs 2 and 3 were dominated by environmental sounds such as distant automobile traffic and trees moving in a slight wind. The station was inaudible at these measurement locations.

Because the residence at NSA 4 is set back from the highway by a long driveway, it was not possible to take sound level measurements close to the residence. NSA 4 is a similar distance and direction from the station as NSA 3, and the NSA 3 measurement point at the road is close to the actual residential structure. Because a measurement at the NSA 4 driveway would not be representative of the station contribution at the residence of NSA 4, the NSA 3 measurement was used as an estimate of the sound levels at NSA 4.

4 Summary

Sound level measurements and predictions for the four nearest NSAs around Compressor Station 270B1 in Pelham, New Hampshire show that the compressor station is currently in compliance with the FERC criterion of 55 dB(A) Ldn.



**Map 1: NSA Distances, Directions, and Measurement Point Locations.
TGP CS 270B1 – Pelham, New Hampshire**