

- **Proposed modifications to NAESB WGQ Standard No. 4.3.90:**

4.3.90 The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent collected and readily available, for location(s) that are representative of mainline gas flow. The information available for the identified location(s) should be provided in a downloadable format. Information should be reported in units as specified in the tariff or general terms and conditions. Provision of non-tariff specified gas quality attributes should be in units selected and identified by the TSP on its Informational Postings Web Site. In any event, all applicable parties' compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

The following Listed below are examples of gas quality attributes that could be included in posting for the applicable Gas Day(s) and Location(s):

- Heating Value
- Interchangeability index(ices)/factor(s)
- Hydrocarbon Liquid-liquid Drop-drop Out-out control parameter(s)/factor(s)
- Hydrocarbon Componentscomponents, % of C1 – Cnn, as used in determining Heating Value
- Specific Gravity
- Water
- Nitrogen
- Carbon Dioxide
- Oxygen
- Hydrogen
- Helium
- Total Sulfur
- Hydrogen Sulfide
- Carbonyl Sulfide
- Mercaptans
- Mercury and/or any other contaminants being measured
- Other pertinent gas quality information that is specified in the TSP's tariff or the general terms and conditions.

Where a TSP collects gas quality information less frequently than on a daily average basis, it may substitute such information provided that the TSP posts explanatory notice on its Informational Postings Web Site.

- **Proposed modifications to NAESB WGQ Standard No. 4.3.92:**

4.3.92 Data provided pursuant to NAESB WGQ Standard No. 4.3.90 should be provided in a tabular downloadable file to be described by the Transportation Service Provider. The first row of the file should contain the column headers. Data should be made available in a single download for one and/or all location(s) representative of mainline gas flow as posted for a given date range within the most recent three month period.

- **Proposed NAESB WGQ Standard 4.3.x1.**

4.3.x1 For data provided pursuant to NAESB WGQ Standard 4.3.90, where a Transportation Service Provider (TSP) does not provide a Wobbe Number for location(s) that are representative of mainline gas flow, upon notification from a customer or other applicable partyService Requester of its desire to begin discussing the interchangeability of gas supplies, should endeavor to calculate a Wobbe Number for such location(s) that are representative of mainline gas flow. Within 90 days of such

~~notificationAs soon as practical~~, but no later than the initiation of discussions to develop tariff-based gas quality interchangeability provisions, a TSP should provide a Wobbe Number for location(s) that are representative of mainline gas flow.

Where a TSP uses an alternative method to characterize interchangeability, it may substitute or supplement the Wobbe Number with the applicable data. Where no above-mentioned notification is received by the TSP or where the above mentioned discussions lead to a conclusion that tariff based gas quality interchangeability provisions are not necessary, a TSP may satisfy this standard by providing a Heating Value and Specific Gravity.

- **Proposed NAESB WGQ Standard 4.3.x2:**

4.3.x2 For data provided pursuant to NAESB WGQ Standard No. 4.3.90, a Transportation Service Provider (TSP) with tariff-based gas quality provisions for the control of hydrocarbon liquid drop out should measure or calculate a 1) Cricondenthem Hydrocarbon Dew Point (CHDP) or 2) C6+GPM for the location(s) that are representative of mainline gas flow. If applicable, the TSP should provide the control parameter specified within its tariff. Where a TSP uses an alternative approach to control hydrocarbon liquid drop out, it may substitute the appropriate control parameter.

- **Proposed NAESB WGQ Definition 4.2.x1.**

4.2.x1 For data provided pursuant to NAESB WGQ Standard 4.3.90, Readily Available is defined to include, but is not limited to, that data currently collected from existing chromatography or other gas sampling equipment or through non-equipment oriented enhancements such as computer programming and/or related systems development necessary to collect, process, derive, store and report information.

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4.3.90 The Transportation Service Provider (TSP) should provide on its Informational Postings Web Site daily average gas quality information for prior gas day(s), to the extent collected and readily available, for location(s) that are representative of mainline gas flow. The information available for the identified location(s) should be provided in a downloadable format. Information should be reported in units as specified in the tariff or general terms and conditions. Provision of non-tariff specified gas quality attributes should be in units selected and identified by the TSP on its Informational Postings Web Site. In any event, all applicable parties' compliance with gas quality requirements is in accordance with the TSP's tariff or general terms and conditions.

Listed below are examples of gas quality attributes:

- Heating Value
- Interchangeability index(ices)/factor(s)
- Hydrocarbon liquid drop out control parameter(s)/factor(s)
- Hydrocarbon components, % of C1 – Cnn, as used in determining Heating Value
- Specific Gravity
- Water
- Nitrogen
- Carbon Dioxide
- Oxygen
- Hydrogen
- Helium
- Total Sulfur
- Hydrogen Sulfide
- Carbonyl Sulfide
- Mercaptans
- Mercury and/or any other contaminants being measured
- Other pertinent gas quality information that is specified in the TSP's tariff or the general terms and conditions.

Where a TSP collects gas quality information less frequently than on a daily average basis, it may substitute such information provided that the TSP posts explanatory notice on its Informational Postings Web Site.

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Where a TSP uses an alternative method to characterize interchangeability, it may substitute or supplement the Wobbe Number with the applicable data. Where no above-mentioned notification is received by the TSP or where the above mentioned discussions lead to a conclusion that tariff based gas quality interchangeability provisions are not necessary, a TSP may satisfy this standard by providing a Heating Value and Specific Gravity.

- **Proposed NAESB WGQ Standard 4.3.x2:**

4.3.x2 For data provided pursuant to NAESB WGQ Standard No. 4.3.90, a Transportation Service Provider (TSP) with tariff-based gas quality provisions for the control of hydrocarbon liquid drop out should measure or calculate a 1) Cricondenthem Hydrocarbon Dew Point (CHDP) or 2) C6+GPM for the location(s) that are representative of mainline gas flow. If applicable, the TSP should provide the control parameter specified within its tariff. Where a TSP uses an alternative approach to control hydrocarbon liquid drop out, it may substitute the appropriate control parameter.

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4.2.x1 For data provided pursuant to NAESB WGQ Standard 4.3.90, Readily Available is defined to include, but is not limited to, that data currently collected from existing chromatography or other gas sampling equipment or through non-equipment oriented enhancements such as computer programming and/or related systems development necessary to collect, process, derive, store and report information.

Text Key

Black	Text of current Standards language
Black Underlines and Strike-Throughs	Text of Modifications in R06008 Recommendation
Blue	Text of Modifications from 12/7/2006 EC Meeting
Red	New Modifications for 1/12/2007 BPS Meeting

Objective of 1/12/2007 Modifications

Retain concepts that received 4-1 segment approval at 12/7/2006 EC Meeting but address concerns from Pipeline Segment regarding the need for further clarity in standards language.

Text Key

For the Order in RP02-436-000, please refer to paragraphs 1-4. The modifications to 4.3.x1 providing the 90 day implementation timeline are intended to follow the spirit of this Order, giving the TSP a reasonable period to design, test and implement necessary changes.

**COPY**

**100 FERC ¶ 61, 340**

**FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D.C. 20426**

September 25, 2002

In Reply Refer To:  
Tennessee Gas Pipeline Company  
Docket No. RP02-436-000

Tennessee Gas Pipeline Company  
Nine E Greenway Plaza  
Houston, TX 77046

Attention: Marguerite N. Woung-Chapman  
General Counsel

Reference: Order No. 587-O Compliance Filing

Dear Ms. Woung-Chapman:

1. On August 1, 2002, Tennessee Gas Pipeline Company (Tennessee) filed the tariff sheets shown on the Appendix in compliance with Order No. 587-O. The proposed tariff sheets adopt Version 1.5 of the North American Energy Standards Board's (NAESB) Standards. Tennessee proposes an October 1, 2002 effective date. Tennessee also requests temporary waiver of the NAESB Version 1.5 EDM/EDI data set requirements that are not being used by Tennessee's customers. Tennessee states that it will incorporate any of the NAESB data sets requested by a customer within 90 days of the request.
2. The Commission conditionally accepts Tennessee's proposed tariff sheets, effective October 1, 2002. The Commission requires Tennessee to file revised tariff sheets consistent with the following findings within 15 days of the date of this order.

**Discussion**

3. Tennessee requests temporary waiver of the NAESB Version 1.5 EDM/EDI data set<sup>1</sup> requirements that are not being used by Tennessee's customers until 90 days after a

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<sup>1</sup>Data sets are data elements grouped to transmit specific information, such as Nominations, Request for Confirmations, Confirmation Response, Scheduled Quantity, and Scheduled Quantity for Operator.

customer request. Tennessee states that its customers are utilizing only nine of the 46 NAESB data sets.

4. The Commission notes that the NAESB data sets are to be used by more persons than just a pipeline's customers. Agents, third party service providers, other pipelines and the Commission can require the use of the NAESB data sets for their communication with and access to information from Tennessee. Further, the Commission requires certain capacity release information to be available to the public. Therefore, the Commission will require Tennessee to implement the capacity release data sets for publically available information. As for the remaining data sets, the Commission will grant Tennessee an extension of time to comply with a NAESB data set for up to 90 days from the date any person first requests use of a NAESB data set that Tennessee does not currently support.

5. Tennessee proposes to establish a new open access Part 284 Rate Schedule TTT to implement title transfer tracking (TTT). The proposed Rate Schedule TTT permits customers to nominate title transfers at existing pooling points. Tennessee does not propose a rate under Rate Schedule TTT. However, it reserves the right to propose a rate in a later proceeding. Tennessee also proposes, as part of Rate Schedule TTT's *pro forma* service agreement, to terminate automatically the agreement if the customer fails to pay all of the amount of any bill for service rendered; and, at Tennessee's sole discretion, terminate the agreement in the event the customer fails to abide by the provisions of the agreement.<sup>2</sup>

6. The Commission accepts Tennessee's proposed Rate Schedule TTT. However, the Commission does not accept Tennessee's proposal to automatically terminate a Part 284 service. The Commission established Part 284 pre-granted abandonment authorization termination procedures in the Order No. 436<sup>3</sup> restructuring proceedings. The policy permits pipelines to suspend service for failure to comply with the agreement or tariff,

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<sup>2</sup>Proposed 5th Revised Volume No. 1, Original Sheet No. 659U.

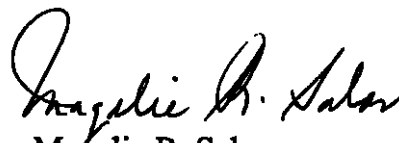
<sup>3</sup>Regulation of Natural Gas Pipelines After Partial Wellhead Decontrol, Order No. 436, *FERC Statutes and Regulations, Regulations Preambles 1982-1985* ¶ 30,665 (1985), *modified*, Order No. 436-A, *FERC Statutes and Regulations, Regulations Preambles 1982-1985* ¶ 30,675 (1985), *modified further*, Order No. 436-B, *FERC Statutes and Regulations* ¶ 30,688 *reh'g denied*, Order No. 436-C, 34 FERC ¶ 61,404 (1986), *reh'g denied*, Order No. 436-D, 34 FERC ¶ 61,405 (1986), *reconsideration denied*, Order No. 436-E, 34 FERC ¶ 61,403 (1986), *appeal docketed sub nom., Associated Gas Distributors v. F.E.R.C.*, No. 85-1811 (D.C. Cir., Dec. 12, 1985).

and service may be terminated only upon notice.<sup>4</sup> Tennessee's proposed language is also inconsistent with its other Part 284 *pro forma* service agreements, which provide for notice before termination.<sup>5</sup>

7. Tennessee traditionally incorporates Standard 1.3.2 in its tariff verbatim. However, in this filing and without explanation, Tennessee does not propose to incorporate revised NAESB Standard 1.3.2 (Version 1.5) verbatim, omitting the Standard's references to title transfer tracking nominations. Tennessee simply proposes to update the reference from "GISB" to "NAESB."<sup>6</sup> The Commission requires Tennessee to incorporate revised NAESB Standard 1.3.2 (Version 1.5) in its tariff verbatim, including the changes in the errata dated November 30, 2001.<sup>7</sup>

8. Public notice of the filings was issued on August 12, 2002. Interventions and protests were due as provided in Section 154.210 of the Commission's regulations. Pursuant to Rule 214 (18 C.F.R. § 385.214 (2002)), all timely filed motions to intervene are granted. Any opposed or untimely filed motion to intervene is governed by the provisions of Rule 214.

By direction of the Commission.

  
Magalie R. Salas,  
Secretary.

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<sup>4</sup>Paiute Pipeline Company, 43 FERC ¶ 61,257 at 61,713 (1988).

<sup>5</sup>See the *pro forma* service agreements for Rate Schedule FT-A's article 12.3, Rate Schedule IT's article 11.3, Rate Schedules LMS-MA and LMS-PA's article 3.3, which all provide for notice prior to termination of agreement for reasons of customer non-performance.

<sup>6</sup>Proposed 5th Revised Volume No. 1, 8th Revised Sheet No. 312, 10th Revised Sheet No. 314 and 11th Revised Sheet No. 314A.

<sup>7</sup>Section 284.12(a)(i) notes that the required Nomination Standard was dated August 1, 2001, including NAESB's errata dated October 1, and November 30, 2001. The missing material is included in NAESB's errata.



Appendix

Tennessee's Proposed Tariff Sheets  
Accepted Effective October 1, 2002

FERC Gas Tariff

Fifth Revised Volume No. 1

Eighth Revised Sheet No. 99  
1st Rev Eighth Revised Sheet No. 161  
1st Rev Ninth Revised Sheet No. 167  
1st Rev Eighth Revised Sheet No. 173  
1st Rev Third Revised Sheet No. 219A  
1st Rev Third Revised Sheet No. 234  
First Revised Sheet No. 238  
Second Revised Sheet No. 245  
Second Revised Sheet No. 248  
Original Sheet No. 249  
Sheet Nos. 250 - 300  
1st Rev Tenth Revised Sheet No. 301  
1st Rev Eleventh Revised Sheet No. 305  
Seventh Revised Sheet No. 310  
Eighth Revised Sheet No. 312  
Tenth Revised Sheet No. 314  
Eleventh Revised Sheet No. 314A  
Tenth Revised Sheet No. 315  
1st Rev Tenth Revised Sheet No. 316  
Seventh Revised Sheet No. 329  
1st Rev Sixth Revised Sheet No. 334  
1st Rev Third Revised Sheet No. 334A  
Seventh Revised Sheet No. 343  
Seventh Revised Sheet No. 346  
Fourth Revised Sheet No. 352  
Sixth Revised Sheet No. 355  
Seventh Revised Sheet No. 356  
1st Rev Fifth Revised Sheet No. 357  
1st Rev Third Revised Sheet No. 358  
Eighth Revised Sheet No. 400  
Twelfth Revised Sheet No. 412  
First Revised Sheet No. 412A

Seventh Revised Sheet No. 509  
First Revised Sheet No. 654A  
Original Sheet No. 659T  
Original Sheet No. 659U  
Original Sheet No. 659V  
Original Sheet No. 659W  
Original Sheet No. 659X  
Second Revised Sheet No. 661  
Second Revised Sheet No. 668