Date of Request: \_December 6, 2019\_\_\_

1. Submitting Entity & Address:

\_\_\_\_\_\_Northern Natural Gas\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_1111 S 103rd Street\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_Omaha, NE 68124\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : \_\_\_\_\_\_\_\_Micki Hoffee\_\_\_\_\_\_\_\_\_

Title : \_\_\_\_\_\_\_\_Sr Business Systems Analyst

Phone : \_\_\_\_\_\_\_\_402-398-7653\_\_\_\_\_\_\_\_\_\_

E‑mail : [\_\_\_\_\_\_\_\_micki.hoffee@nngco.com](mailto:________micki.hoffee@nngco.com)

3. Version and Standard Number(s) suggested for correction or clarification:

This request proposes a separate of elements in the transaction set table for the data element Component and Unit of Measure for the next available NAESB WGQ Version release:

**NAESB WGQ Standard 2.4.6 – Measured Volume Audit Statement**

4. Description of Minor Correction/Clarification including redlined standards corrections:

# Transaction Set Table

**MEA Segments (Sub-detail)**

**Data Element:** Component and Unit of Measure

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Element Name** | **Usage** | **MEA01** | **MEA02** | **ME02 Description** | **MEA04** | **MEA04 Description** |
| Component (MEA02) Component Value (MEA03) ~~Unit of Measure (MEA04)~~ | SO C C1 | TR | H20 | Water | ~~ZZ~~ | ~~Pounds per Million Cubic Feet~~ |
|  |  |  | HC | Helium | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZBT | N-Butane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZCD | Carbon Dioxide | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZET | Ethane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZH | Hydrogen | ~~59~~ | ~~Parts per million~~ |
|  |  |  | ZHP | Heptane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZHS | Hydrogen Sulfide | ~~GX~~ | ~~Grains~~ |
|  |  |  | ZHX | Hexane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZIB | I-Butane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZIP | I-Pentane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZMT | Methane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZN | Nitrogen | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZNP | Neo-Pentane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZO | Oxygen | ~~59~~ | ~~Parts per million~~ |
|  |  |  | ZOC | Octane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZPP | Propane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZPT | N-Pentane | ~~P1~~ | ~~Percent~~ |
|  |  |  | ZS | Sulphur | ~~GX~~ | ~~Grains~~ |
|  |  |  | ZZZ | Carbon Monoxide | ~~P1~~ | ~~Percent~~ |
| Unit of Measure (MEA04) |  |  |  |  | 59 | Parts per million |
|  |  |  |  |  | GX | Grains |
|  |  |  |  |  | P1 | Percent |
|  |  |  |  |  | ZZ | Pounds per Million Cubic Feet |

5. Reason for of Minor Correction/Clarification:

The current transaction set table indicates a specific unit of measure or each Component, which may cause discrepancies between the dataset and a TSP’s tariff, or discrepancies in the UOM the actual measurement hardware supports.

Instead of specifying, a separate list of UOM’s could be presented such that a TSP can use whichever applies to a specific Component.