

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of the Application of)
Duke Energy Kentucky, Inc. for Authority) Case No. 2016-00159
to Establish a Regulatory Asset)

APPLICATION

Comes now Duke Energy Kentucky, Inc. (Duke Energy Kentucky or the Company), by counsel, pursuant to KRS 278.030(1), KRS 278.040(2), KRS 278.220 and other applicable law, and hereby requests that the Kentucky Public Service Commission (Commission) approve the establishment of a regulatory asset for necessary gas main pressure testing that must be performed in order to maintain the system's historic maximum allowed operating pressure (MAOP). In support of this Application, the Company states as follows:

I. Applicant Information and General Filing Requirements

1. Duke Energy Kentucky is an investor-owned utility engaged in the business of furnishing natural gas and electric services to various municipalities and unincorporated areas in Boone, Bracken, Campbell, Gallatin, Grant, Kenton, and Pendleton Counties in the Commonwealth of Kentucky.

2. Pursuant to 807 KAR 5:001, Section 14(1), Duke Energy Kentucky's business address is 139 East Fourth Street, Cincinnati, Ohio 45202. Duke Energy Kentucky's local office in Kentucky is Duke Energy Envision Center, 4580 Olympic Boulevard, Erlanger, Kentucky 41018, and its electronic mail address is KYfilings@duke-energy.com.

3. Pursuant to 807 KAR 5:001, Section 14(2), Duke Energy Kentucky states that it was originally incorporated in the Commonwealth of Kentucky on March 20, 1901, and attests that it is currently in good standing in said Commonwealth.

II. Background

4. In December 2011, Congress passed the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011, an amendment of Title 49 United States Code 60101 (Pipeline Safety Act of 2011). The federal regulations required more stringent safety and reliability protocols for both Department of Transportation and Owners/Operators. Among other things, the Pipeline Safety Act of 2011, and advisory bulletins by the Pipeline and Hazardous Materials Safety Administration (PHMSA) clarified expectations of requirements for operators of gas transmission lines to verify accuracy of records of their system which includes providing traceable, verifiable, and complete documentation to support maximum allowable operating pressure.¹

5. Areas of Duke Energy Kentucky's natural gas transmission and distribution systems date back to the 1950's. Much of this system was not originally installed by Duke Energy Kentucky, but rather has been acquired through various mergers and acquisitions dating back many decades. As a result of PHMSA's clarification of its expectations of compliance under the Pipeline Safety Act of 2011, Duke Energy Kentucky began reviewing its records for compliance with the Pipeline Safety Act of 2011 and consistency with PHMSA's guidance. Duke Energy Kentucky has completed this thorough review and has now determined that it has incomplete and insufficient records available for some of its pipeline systems when evaluated

¹ See Attachment 1, PHMSA Advisory bulletin.

under the newly redefined requirement standards by PHMSA that require immediate corrective action.

6. Upon receiving this PHMSA guidance, Duke Energy Kentucky, in compliance with Pipeline Safety Act of 2011, and to maintain the integrity of its natural gas delivery system, as well as to ensure that it continues to operate the system at the appropriate and historic MAOP, conducted and completed a very thorough segment by segment review of all transmission pipelines and facilities to determine both the existence and adequacy of its system records. This thorough and comprehensive record review involved not only investigating Duke Energy Kentucky's existing records, but reaching out to prior owners of parts of the Duke Energy Kentucky natural gas delivery system, such as Columbia Gas, to search for any system records that might exist and that were not provided to the Company as part of various mergers and acquisitions decades ago. It was only after the Company completed this review and analyzed the documentation that was available, that the Company could determine whether additional action was necessary or required under the federal regulations, and the immediacy of any such actions. To the extent documentation was not sufficient to verify the MAOP for particular segments as required under the aforementioned federal regulations as interpreted by PHMSA, Duke Energy Kentucky must immediately take action to verify the capabilities of these segments.

7. Pressure testing of existing transmission pipelines must now be performed in order to provide traceable, verifiable, and complete documentation to support existing the MAOP levels per CFR Title 49 Parts 192.501 and 192.619. If Duke Energy Kentucky does not perform this pressure testing, the Company will no longer be able to support operating its systems at historic MAOP levels, and will have to reduce operating pressures creating the potential that the system will have insufficient pressure during a time of need.

8. Specifically, Duke Energy Kentucky must conduct pressure testing along certain segments of its transmission pipeline, AM07, comprising of approximately three miles. This work includes removing the line from service, purging the residual natural gas, separating the section to be tested, filling the line with water, bringing the pressure up to the specified test value, removing the water after a successful test, and returning the line to service.

9. The estimated cost of conducting this pressure testing, including necessary planning and pre-engineering, is approximately \$2 million in incremental and unplanned Operation and Maintenance (O&M) expense that the Company will incur during calendar year 2016. A detailed estimated budget for the O&M expense to conduct the MAOP verification is as follows:

Contract Labor	\$1,503,000
Material	\$50,000
Company labor	\$47,500
Contingency	\$320,100
Total	\$1,920,600

10. The requirements resulting from the PHMSA advisory bulletin guidance on the Pipeline Safety Act of 2011 were not in place at the time of Duke Energy Kentucky's last natural gas rate case filed in 2009. The cost of performing this work was neither anticipated nor known and is not currently reflected in Duke Energy Kentucky's base rates. In fact, the need to perform this work was not discovered or determined until the Company recently completed its internal record compliance survey and evaluation and determined what actions were necessary to satisfy PHMSA requirements.

11. The approximate \$2 million expense is a significant and material unanticipated, one-time expense beyond the control of Duke Energy Kentucky that it must incur as a result of PHMSA's clarified interpretations to federal regulations.

III. Request to Establish a Regulatory Asset

12. A regulatory asset is created when a utility is authorized to capitalize an expenditure that, under traditional accounting rules, would ordinarily be recorded as a current expense. The reclassification of an expense to a capital item allows the utility the opportunity to request recovery in future rates of the amount capitalized. The authority to establish regulatory assets arises out of the Commission's plenary authority to regulate utilities under KRS 278.040 and to "establish a system of accounts to be kept by utilities subject to its jurisdiction... and may prescribe the manner in which such accounts shall be kept."²

13. Duke Energy Kentucky must obtain Commission approval for accounting adjustments before establishing any expense as a new regulatory asset. Specifically, the Commission stated in Case No. 2001-00092, "[t]herefore, the Commission finds that in the future, ULH&P shall formally apply for Commission approval before accruing a cost as a deferred asset, regardless of the rate-making treatment that the Commission has afforded a similar cost in previous rate case proceedings."³

14. The Commission has exercised its discretion to approve regulatory assets where a utility has incurred: (1) an extraordinary, nonrecurring expense which could not have reasonably been anticipated or included in the utility's planning; (2) an expense resulting from a statutory or administrative directive; (3) an expense in relation to an industry sponsored initiative; or (4) an extraordinary or nonrecurring expense that over time will result in a saving that fully offsets the

² KRS 278.220.

³ *In the Matter of Adjustment of Gas Rates of The Union Light, Heat and Power Company*, Final Order, Case No. 2001-00092 (Ky. P.S.C., Jan. 31, 2002).

cost.⁴ In exercising discretion to allow the creation of a regulatory asset, the Commission's overarching consideration has been the context in which the regulatory asset is sought to be established and not necessarily the specific nature of the costs incurred.⁵

15. Duke Energy Kentucky asserts that its request to establish a regulatory asset for the necessary MAOP pipeline pressure tests is consistent with the first and second above-listed examples, "an extraordinary, nonrecurring expense which could not have reasonably been anticipated or included in the utility's planning" and "an expense resulting from a statutory or administrative directive." The need for the necessary pressure tests only recently came to light through PHMSA's newly issued advisory bulletin that provided new and greater interpretation of its regulations and as Duke Energy Kentucky completed its comprehensive record review and gathering its information on its natural gas delivery system in order to support and maintain its historic MAOP levels. Thus, the costs to be incurred to effectuate this necessary pressure test are extraordinary and nonrecurring expenses that Duke Energy Kentucky could not have anticipated or included in its planning. Moreover, as the need for the additional pressure tests arose through PHMSA's promulgation of new directives and guidance regarding expectations under its

⁴ See *In the Matter of the Application of East Kentucky Power Cooperative, Inc. for an Order Approving Accounting Practices to Establish a Regulatory Asset Related to Certain Replacement Power Costs Resulting from Generation Forced Outages*, Final Order, Case No. 2008-00436 (Ky. P.S.C., Dec. 23, 2008); *In the Matter of the Application of Louisville Gas and Electric Company for an Order Approving the Establishment of a Regulatory Asset*, Final Order, Case No. 2008-00456 (Ky. P.S.C., Dec. 22, 2008); *In the Matter of the Application of Kentucky Utilities Company for an Order Approving the Establishment of a Regulatory Asset*, Final Order, Case No. 2008-00457 (Ky. P.S.C., Dec. 22, 2008); *In the matter of the Joint Application of Duke Energy Kentucky, Inc., Kentucky Power Company, Kentucky Utilities Company and Louisville Gas and Electric Company for an Order Approving Accounting Practices to Establish Regulatory Assets and Liabilities Related to Certain Payments Made to the Carbon Management Research Group and the Kentucky Consortium for Carbon Storage*, Final Order, Case No. 2008-00308 (Ky. P.S.C., Oct. 30, 2008); *In the Matter of the Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for an Order Approving Proposed Deferred Debits and Declaring the Amortization of the Deferred Debits to be Included in Earnings Sharing Mechanism Calculations*, Final Order, Case No. 2001-00169 (Ky. P.S.C., Dec. 3, 2001).

⁵ *In the Matter of the Application of East Kentucky Power Cooperative, Inc. for an Order Approving Accounting Practices to Establish a Regulatory Asset Related to Certain Replacement Power Costs Resulting from Generation Forced Outages*, Final Order, Case No. 2008-00436 (Ky. P.S.C., Dec. 23, 2008).

regulations, the aforementioned costs also qualify as an expense resulting from a statutory or administrative directive.

16. If the Commission approves Duke Energy Kentucky's requested regulatory asset treatment, Duke Energy Kentucky expects to make the following journal entries:

- Debit FERC Account 182.3 Other Regulatory assets
- Credit FERC Account 874 Mains and Services Expenses

17. The estimated and approximate \$2 million cost of the pressure test is significant to Duke Energy Kentucky given the relative size of its natural gas operations. So to prevent a significant impact to Duke Energy Kentucky's financial position, the Company respectfully requests the Commission issue an order approving this application in sufficient time for the Company to make the appropriate journal entries in 2016, and no later than December 1, 2016.

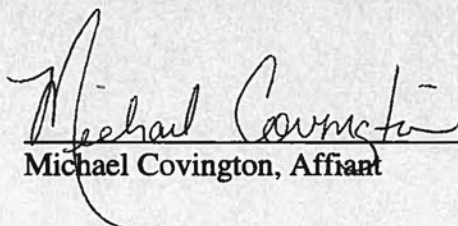
18. Failing to perform these necessary pressure tests will result in the Company no longer being able to support operating its system at historic pressure levels, meaning that the reductions in MAOP could place the system at risk for losing pressure and dropping service during emergencies and extreme weather conditions. It is imperative that Duke Energy Kentucky perform this testing. And the requested accounting treatment will ensure that the Company is not financially harmed by having to perform these testing activities outside of normal operational planning parameters and cycles.

WHEREFORE, on the basis of the foregoing, Duke Energy Kentucky respectfully requests that the Commission enter an Order approving the establishment of a regulatory asset for the income statement associated with the necessary pressure testing on its natural gas delivery system and granting Duke Energy Kentucky all other additional relief to which it may appear entitled.

VERIFICATION

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) SS:

The undersigned, Michael Covington, being duly sworn, deposes and says that he is the Director of Midwest and Florida Regulatory Accounting and that the matters set forth in the foregoing Application are true and correct to the best of his information, knowledge and belief.



Michael Covington, Affiant

Subscribed and sworn to me by Michael Covington on this 29th day of April,
2016.



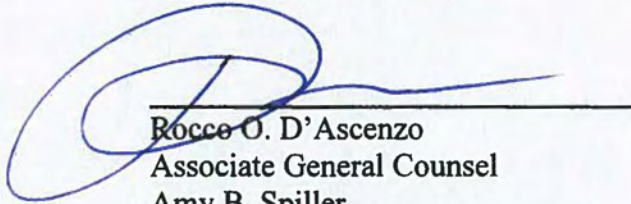


NOTARY PUBLIC

My Commission expires: October 24, 2019

This 29th day of April, 2016.

Respectfully submitted,

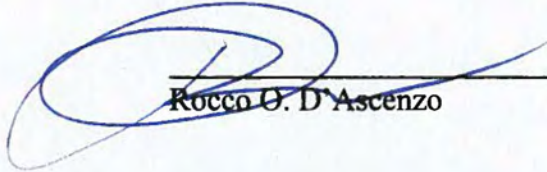


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CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing Application of Duke Energy Kentucky, Inc. has been served via electronic mail to the following party on this 2nd day of April 2016.



Rocco O. D'Ascenzo

Hon. Larry Cook
Office of the Attorney General
Utility Intervention and Rate Division
1024 Capital Center Drive
Frankfort, Kentucky 40601

Billing Code: 4910-60-W

Department of Transportation

Pipeline and Hazardous Materials Safety Administration

[Docket No. PHMSA-2010-0381

Pipeline Safety: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation

Agency: Pipeline and Hazardous Materials Safety Administration (PHMSA); DOT.

Action: Notice; Issuance of Advisory Bulletin.

SUMMARY: PHMSA is issuing an Advisory Bulletin to remind operators of gas and hazardous liquid pipeline facilities of their responsibilities, under Federal integrity management (IM) regulations, to perform detailed threat and risk analyses that integrate accurate data and information from their entire pipeline system, especially when calculating Maximum Allowable Operating Pressure (MAOP) or Maximum Operating Pressure (MOP), and to utilize these risk analyses in the identification of appropriate assessment methods, and preventive and mitigative measures.

FOR FURTHER INFORMATION CONTACT: Alan Mayberry by phone at 202-366-5124 or by email at alan.mayberry@dot.gov. All materials in this docket may be accessed electronically at <http://www.regulations.gov>. General information about the PHMSA Office of

Pipeline Safety (OPS) can be obtained by accessing OPS's Internet home page at <http://www.phmsa.dot.gov/pipeline>.

SUPPLEMENTARY INFORMATION:

Background

PHMSA's goal is to improve the overall integrity of pipeline systems and reduce risks. To adequately evaluate risk, it is necessary to identify and evaluate the physical and operational characteristics of each individual pipeline system. To that end, the Hazardous Liquid and Gas Transmission Pipeline Integrity Management (IM) Programs were created with the following objectives:

- Ensuring the quality of pipeline integrity in areas with a higher potential for adverse consequences (high consequence areas or HCAs);
- Promoting a more rigorous and systematic management of pipeline integrity and risk by operators;
- Maintaining the government's prominent role in the oversight of pipeline operator integrity plans and programs; and
- Increasing the public's confidence in the safe operation of the nation's pipeline network.

The IM regulations supplement PHMSA's prescriptive safety regulations with requirements that are intelligent, performance based and process-oriented. One of the fundamental tenets of the IM program is that pipeline operators must be aware of the physical attributes of their pipeline as

well as the physical environment that it transverses. These programs reflect the recognition that each pipeline is unique and has its own specific risk profile that is dependent upon the pipelines attributes, its geographical location, design, operating environment, the commodity being transported, and many other factors. This information is a vital component in an operator's ability to identify and evaluate the risks to its pipeline and identify the appropriate assessment tools, set the schedule for assessments of the integrity of the pipeline segments and identify the need for additional preventive and mitigative measures such as lowering operating pressures. If this information is unknown, or unknowable, a more conservative approach to operations is dictated.

An IM program must go beyond simply assessing pipeline segments and repairing defects. Improving operator IM programs, the analytical processes involved in identifying and responding to risk, and the application of assessment and development of preventive and mitigative measures is also a critical objective. In addition, the ability to integrate and analyze threat and integrity related data from many sources is essential for enhanced safety and proactive integrity management. However, some operators are not sufficiently aware of their pipeline attributes nor are they adequately or consistently assessing threats and risks as a part of their IM programs.

Over the past several years, PHMSA inspections and investigations have revealed deficiencies in individual operators' risk analysis approaches, the integration of data into these risk assessments, the abilities to adequately support the selection of assessment methods, identification and implementation of preventive and mitigative measures, and maintenance of up-to-date risk

information and findings about their pipeline segments. In particular, operators' programs fail to adequately address stress corrosion cracking, seam failure, or internal corrosion in their threat identification and risk assessments. The actual use of threat and risk information to determine assessment methods, to evaluate other preventive and mitigative measures, and to use those measures during periodic evaluation have been found to be deficient. Inspections and investigations have revealed examples where assessment methods, specific tools, and schedules were not based on a rigorous assessment of the type of threats posed by the pipeline segment, including consideration of the age, design, pipe material including seam type, coating, welding technique, cathodic protection, soil type, surrounding environment, operational history, or other relevant factors. Finally, inspections and investigations indicate that efforts to collect and integrate risk information can be inappropriately narrow, lack verification and fail to take into account relevant risk information and lessons learned from other parts of their system.

In recent pipeline accident investigations, NTSB and PHMSA have discovered indications that operator oversight of IM programs has been lacking and thereby failed to detect flaws and deficiencies in their programs. The level of self-evaluation and oversight currently being exercised by some pipeline operators is not uniformly applied. The NTSB is also concerned that pipeline operators throughout the United States may have discrepancies in their records that could potentially compromise the safe operation of their pipelines. NTSB has recommended that operators diligently and objectively scrutinize the effectiveness of their programs, identify areas for improvement, and implement corrective measures.

On January 3, 2011, NTSB recommended that PHMSA inform the pipeline industry of the circumstances leading up to and the consequences of the September 9, 2010, pipeline rupture in San Bruno, California, to ensure that both PHMSA and NTSB findings and recommendations with respect to the verification of records used to establish or adjust MAOP or MOP are expeditiously incorporated into the IM programs for pipeline operators. The pipeline rupture in San Bruno, CA involved a 30-inch-diameter natural gas transmission pipeline owned and operated by Pacific Gas and Electric Company (PG&E). The rupture occurred in a residential area killing eight people, injuring many more, and causing substantial property damage. The rupture created a crater about 72 feet long by 26 feet wide. A ruptured pipe segment about 28 feet long was found about 100 feet away from the crater. The resulting fire destroyed 37 homes and damaged 18. NTSB's preliminary findings indicate that the pipeline operator did not have an accurate basis for the MAOP calculation.

There are several methods available for establishing MAOP or MOP. A hydrostatic pressure test that stresses the pipe to a designated percent of the desired MAOP or MOP, without failure, is generally the most effective method. Hydrostatic testing requirements and restrictions for natural gas pipelines are specified in Title 49 CFR Part 192, Subpart J. Similar requirements for hazardous liquid pipelines are found in 49 CFR Part 195, Subpart E. Although hydrostatic testing is recognized to be the most direct and effective methodology for validating a MAOP or MOP, its implementation requires that operating lines be shut down, which may adversely affect customers dependent on the natural gas supplied by the pipeline, particularly if the pipe fails during the test, which could necessitate a protracted shutdown. Consequently, operators prefer to use available design, construction, inspection, testing, and other related records to calculate the

valid MAOP or MOP. However, this method is susceptible to error if pipeline records are inaccurate. With respect to the portion of the pipeline that failed in the September 9, 2010, San Bruno incident, PG&E used available design, construction, inspection, testing, and other related records to calculate the MAOP. The NTSB's examination of the ruptured pipe segment and review of PG&E records revealed that although the as-built drawings and alignment sheets mark the pipe as seamless API 5L Grade X42 pipe, the pipeline in the area of the rupture was constructed with longitudinal seam-welded pipe. The ruptured pipe segment was constructed of five sections of pipe, some of which were short pieces measuring about four feet long, containing different longitudinal seam welds of various types, including single- and double-sided welds. Consequently, the short pieces of pipe of unknown specifications in the ruptured pipe segment may not have been as strong as the seamless API 5L Grade X42 steel pipe listed in PG&E's records. PG&E's records also identify Consolidated Western Steel Corporation as the manufacturer of the accident segment of Line 132. However, after physical inspection of the ruptured section, investigators were unable to confirm the manufacturing source of some of the pieces of ruptured pipe.

Integrity Management Regulatory Provisions

For hazardous liquid pipelines, §195.452 establishes requirements for IM programs in HCAs. Section 195.452(b)(1) requires that each operator of a hazardous liquid pipeline "develop a written IM program that addresses the risks on each segment of pipeline." Section 195.452(e) defines the minimum list of risk factors that must be included in the risk assessments used to schedule segment assessments. Appendix C provides additional guidance on these risk factors.

Section 195.452(f) defines the required elements of an IM program. These elements include an analysis that integrates all available information about the integrity of the entire pipeline and the consequences of a failure, including data gathered during previous integrity assessments and data gathered in conjunction with other maintenance inspections and investigations. These elements also include an identification of additional preventive and mitigative measures to protect the HCAs (§195.452(i)), including conducting a risk analysis in which an operator must evaluate the likelihood of a pipeline release and how it could affect the HCAs. Preventive and mitigative measures to be evaluated based on risk factors include, but are not limited to, leak detection system modifications and installation of additional Emergency Flow Restricting Devices.

For natural gas pipelines, Subpart O of 49 CFR Part 192 establishes the requirements for IM programs in HCAs. Section 192.911(c) requires that IM programs include “[a]n identification of threats to each covered pipeline segment, which must include data integration and a risk assessment.” This section further requires “[a]n operator must use the threat identification and risk assessment to prioritize covered segments for assessment (§192.917) and to evaluate the merits of additional preventive and mitigative measures (§192.935) for each covered segment.” Section 192.917(b) requires an operator to integrate existing data and information on the entire pipeline that could be relevant to a covered segment. In performing this data gathering and integration, an operator must follow the requirements in ASME/ANSI B31.8S, section 4. At a minimum, an operator must gather and evaluate the set of data specified in Appendix A to ASME/ANSI B31.8S, and consider both on the covered segment and similar non-covered segments, past incident history, corrosion control records, continuing surveillance records, patrolling records, maintenance history, internal inspection records, operating stress levels, past

pressure test information, soil characteristics, and all other conditions specific to each pipeline.

Section 192.917(c) states that an operator must conduct a risk assessment that follows

ASME/ANSI B31.8S, section 5, and considers the identified threats for each covered segment.

An operator must use the risk assessment to prioritize the covered segments for the baseline and periodic reassessments, and to determine what additional preventive and mitigative measures are

needed for the covered segment. Sections 192.919 and 192.921(a) further require that the

operator explain why the particular assessment method for each segment was selected to address

the identified threats to each covered segment. Specifically, §192.921(a) requires the operator to

select the method or methods best suited to address the identified threats to the covered segment

(pipeline), which include internal inspection tool[s], pressure test, direct assessment, or other

technology that an operator demonstrates can provide an equivalent understanding of the

condition of the pipeline. More than one assessment method may be required to address all the

threats to the covered pipeline segment. Section 192.935 requires that an operator take

additional measures beyond those already required by Part 192 to prevent a pipeline failure and

to mitigate the consequences of a pipeline failure in a HCA. An operator must base the

additional measures on the threats the operator has identified to each pipeline segment. This

section requires that an operator conduct, in accordance with one of the risk assessment

approaches in ASME/ANSI B31.8S, section 5, a risk analysis of its pipeline to identify

additional measures to protect the HCA and enhance public safety.

Advisory Bulletin (ADB-11-01)

To: Owners and Operators of Hazardous Liquid and Gas Pipeline Systems

Subject: Establishing Maximum Allowable Operating Pressure or Maximum Operating Pressure Using Record Evidence, and Integrity Management Risk Identification, Assessment, Prevention, and Mitigation

Advisory: To further enhance the Department's safety efforts and implement the NTSB's January 3, 2011, recommendation to PHMSA [P-10-1], PHMSA is issuing this Advisory Bulletin concerning establishing MAOP and MOP using record evidence and integrity management; threat and risk identification; risk assessment; risk information collection, accuracy and integration, and identification and implementation of preventive and mitigative measures.

I. Establishing MAOP or MOP Using Record Evidence

As PHMSA and NTSB recommended, operators relying on the review of design, construction, inspection, testing and other related data to calculate MAOP or MOP must assure that the records used are reliable. An operator must diligently search, review and scrutinize documents and records, including but not limited to, all as-built drawings, alignment sheets, and specifications, and all design, construction, inspection, testing, maintenance, manufacturer, and other related records. These records shall be traceable, verifiable, and complete. If such a document and records search, review, and verification cannot be satisfactorily completed, the operator cannot rely on this method for calculating MAOP or MOP. Copies of the recommendations issued by NTSB to PHMSA, PG&E, and the California Public Utilities Commission, are available in the public docket and at PHMSA's website: www.phmsa.dot.gov/pipeline/regs/ntsb.

II. Performing Risk Identification, Assessment, Data Accuracy, Prevention, and Mitigation

Pipeline operators are reminded of their responsibilities to identify pipeline integrity threats, perform rigorous risk analyses, integrate information, and identify, evaluate, and implement preventive and mitigative measures as required by the Federal pipeline safety regulations.

Operators should thoroughly review their current IM programs and make any changes necessary to become fully compliant with the Federal pipeline safety regulations. Future, PHMSA inspections will place emphasis on the areas noted in this Advisory Bulletin.

Operators are also advised that PHMSA and its state partners intend to sponsor a public workshop on threat and risk identification, risk assessment, risk information collection and integration, and identification of preventive and mitigative measures. The purpose of the workshop will be to expand the industry's knowledge base about effective IM programs. At this workshop, PHMSA will discuss the progress it has seen and the challenges remaining. Operators with demonstrably effective programs will be invited to share information. Public participation will be encouraged.

A. Risk and Threat Identification

PHMSA emphasizes the need for operators to be fully cognizant of the physical and operational characteristics of their systems, understand the threats to their systems, and the risks posed by their systems. Each operator is ultimately responsible for identifying all risk factors and cannot

rely solely on the factors in §195.452(e) and Appendix C of Part 195 or §192.917. Any operator of a hazardous liquid or gas transmission pipeline that is not fully cognizant of the location, pipe material and seam type, coating, cathodic protection history, repair history, previous pressure testing, or operational pressure history, and other assessment information, incident data, soil type and environment, operational history, or other key risk factors of a pipeline operating at or above 30% SMYS should 1) institute an aggressive program as soon as possible to obtain this information, 2) assess the risks, and 3) take the proper mitigative measures based upon the operator's IM program risk findings. In addition, if these operators do not have verified information on key risk factors, an immediate and interim mitigation measure that should be strongly considered is a pressure reduction to 80 percent of the operating pressure for the previous month, hydro testing the pipeline or creating a remediation program to identify threat risks. Operators of transmission pipelines operating below 30% SMYS should also conduct an integrity threat and risk review of these pipelines to ensure safety in HCAs. PHMSA will require an operator that has not adequately identified all threats to take mitigative measures.

B. Risk Assessment

Operators are advised to re-examine the basis for their IM assessment, as well as their MAOP or MOP calculations and documentation to meet Federal regulations in 49 CFR Parts 192 and 195. Operators must consider all significant risk factors in their risk assessments; conduct risk assessments capable of supporting identification of preventive and mitigative measures; integrate into their threat and risk assessments all relevant risk information from prior integrity assessments, inspections, investigations, and incidents with design, construction, operational and maintenance data; to critically analyze the integrated data and incorporate the analysis into their

risk assessments and integrity-related decision making; update and maintain their risk information; and to ensure that the risk information is made available throughout the organization in a form that can effectively support decisions on integrity assessment methods, tools, process and procedure changes, and schedule during the required periodic evaluations of pipeline integrity. PHMSA and its state partners intend to verify that operators have taken these actions during the course of future pipeline safety inspections and investigations.

C. Data Accuracy

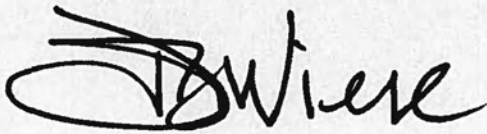
Operators must review and scrutinize pipeline infrastructure documents and records, including but not limited to, all as-built drawings, alignment sheets, specifications, and all design, construction, inspection, testing, material manufacturer, operational maintenance data, and other related records, to ensure company records accurately reflect the pipeline's physical and operational characteristics. These records should be traceable, verifiable, and complete to meet §§192.619 and 195.302. Incomplete or partial records are not an adequate basis for establishing MAOP or MOP using this method. If such a document and records search, review, and verification cannot be satisfactorily completed, the operator may need to conduct other activities such as in-situ examination, pressure testing, and nondestructive testing or otherwise verify the characteristics of the pipeline when identifying and assessing threats or risks.

D. Risk Mitigation and Prevention

PHMSA advises operators to implement a robust IM process that includes methods best suited to address the threats and risks identified (§192.921 (a) and §195.452(f)). Operators must use post

assessment and continuing evaluation processes to evaluate program effectiveness in identifying threats, addressing threat preventative and mitigative measures, and providing internal IM program feedback of assessment findings so the assessment process can be updated based upon threat findings.

Issued in Washington, DC, on JAN - 4-2011.

A handwritten signature in black ink, appearing to read "J. Wiese". The signature is stylized with a large, looping initial "J" and a cursive "Wiese".

Jeffrey D. Wiese,

Associate Administrator for Pipeline Safety.