#### Administrator

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1200 New Jersey Avenue, SE. Washington, DC 20590

## Pipeline and Hazardous Materials Safety Administration

The Honorable John D. Rockefeller, IV Chairman Committee on Commerce, Science, and Transportation United States Senate Washington, DC 20510

Dear Mr. Chairman:

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) is submitting this report to Congress to fulfill the requirement of Section 8(a) of the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 (Act). The Act requires the Secretary of Transportation to submit a report to Congress on leak detection systems utilized by operators of hazardous liquid pipeline facilities and transportation related flow lines. The Act requires the following be included in the report:

- an analysis of the technical limitations of current leak detection systems, including the
  ability of the systems to detect ruptures and small leaks that are ongoing or intermittent,
  and what can be done to foster development of better technologies; and,
- an analysis of the practicability of establishing technically, operationally, and economically feasible standards for the capability of such systems to detect leaks, and the safety benefits and adverse consequences of requiring operators to use leak detection systems.

PHMSA has been exploring issues involving leak detection for a number of years prior to the Act. On October 18, 2010, an Advanced Noticed of Proposed Rulemaking (ANPRM) for the Safety of On-Shore Hazardous Liquid Pipelines was published. Among other issues discussed in the ANPRM was whether to establish and/or adopt standards and procedures for minimum leak detection requirements for all pipelines.

- PHMSA and the National Association of Pipeline Safety Representatives sponsored a public workshop in March 2012 entitled "Improving Pipeline Leak Detection System Effectiveness."
- PHMSA coordinated a Government/Industry Pipeline Research and Development (R&D) Forum in July 2012 that included a working group discussion focused specifically on leak detection and mitigation.
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It should also be noted the general approach was taken that leak detection systems are not just limited to the actual technology used and applied to pipeline facilities and infrastructure. Effective leak detection also relies heavily on how well any technology is implemented through people, procedures, and the environment in which it is installed and operated.

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PHMSA will use all of the input gathered from the above initiatives when considering rulemaking in line with Section 8(b) of the Act. PHMSA anticipates progressing with a rulemaking related to leak detection in 2013.

An identical letter has been sent to the Ranking Member of the Senate Committee on Commerce, Science, and Transportation; the Chairman and Ranking Member of the House Committee on Transportation and Infrastructure; and the Chairman and Ranking Member of the House Committee on Energy and Commerce.

Regards,

U.S. Department of Transportation

Pipeline and Hazardous Materials
Safety Administration

Administrator

1200 New Jersey Avenue, SE. Washington, DC 20590

DEC 27 :::

The Honorable John Thune Ranking Member Committee on Commerce, Science, and Transportation United States Senate Washington, DC 20510

#### Dear Senator Thune:

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) is submitting this report to Congress to fulfill the requirement of Section 8(a) of the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 (Act). The Act requires the Secretary of Transportation to submit a report to Congress on leak detection systems utilized by operators of hazardous liquid pipeline facilities and transportation related flow lines. The Act requires the following be included in the report:

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Regards,

U.S. Department of Transportation

Administrator

JEC 27

1200 New Jersey Avenue, SE. Washington, DC 20590

## Pipeline and Hazardous Materials Safety Administration

The Honorable Bill Shuster Chairman Committee on Transportation and Infrastructure U.S. House of Representatives Washington, DC 20515

Dear Mr. Chairman:

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) is submitting this report to Congress to fulfill the requirement of Section 8(a) of the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 (Act). The Act requires the Secretary of Transportation to submit a report to Congress on leak detection systems utilized by operators of hazardous liquid pipeline facilities and transportation related flow lines. The Act requires the following be included in the report:

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Regards,

# of Transportation Pipeline and Hazardous Materials Safety Administration

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The Honorable Nick Joe Rahall, II Ranking Member Committee on Transportation and Infrastructure U.S. House of Representatives Washington, DC 20515

### Dear Congressman Rahall:

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) is submitting this report to Congress to fulfill the requirement of Section 8(a) of the Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 (Act). The Act requires the Secretary of Transportation to submit a report to Congress on leak detection systems utilized by operators of hazardous liquid pipeline facilities and transportation related flow lines. The Act requires the following be included in the report:

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Regards,

Administrator

1200 New Jersey Avenue, SE. Washington, DC 20590

120 27

The Honorable Fred Upton
Chairman
Committee on Energy and Commerce
U.S. House of Representatives
Washington, DC 20515

Dear Mr. Chairman:

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U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration

Administrator

1200 New Jersey Avenue, SE. Washington, DC 20590

1-3 77

The Honorable Henry Waxman Ranking Member Committee on Energy and Commerce U.S. House of Representatives Washington, DC 20515

### Dear Congressman Waxman:

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