SUPPLEMENTARY INFORMATION: The Sitka Rocky Gutierrez Airport Master Plan outlined development goals and projects that are anticipated to be necessary over the next 20 or more years at the Airport. This Final EIS discusses the proposed improvements recommended at the Airport over the next five years, which have the potential to result in significant adverse environmental impacts. The FAA and the State of Alaska Department of Transportation and Public Facilities (DOT & PF) propose the following projects recommended over the next five years at the Airport to meet the identified needs. The major actions assessed in this Final EIS include:

- Improvements to the Runway Safety Area.
- Extension of the Parallel Taxiway.
- Relocation of the Airport Seaplane Pullout.
- Installation of an Approach Lighting System.
- Repairs and Improvements to the Airport Seawall.
- Acquisition of Sufficient Property Rights to Lands Needed for Existing and Future Aviation and Airport Uses.

The proposed Airport improvements would be completed during the 2010–2015 time period and, depending on the alternatives implemented, may result in temporary or long-term impacts to the coastal resources, marine environment and wildlife (including species protected under the Endangered Species Act), water quality, wetlands, historical, architectural, archaeological, and cultural resources, terrestrial wildlife and vegetation, and subsistence.

Section 810 of the Alaska National Lands Conservation Act (ANILCA) requires an evaluation on the effects of alternatives presented in this Final EIS on subsistence activities occurring on public lands in the planning area. The evaluation in the Final EIS indicates that none of the alternatives significantly restrict subsistence activities.

If the transfer of title option is selected for the acquisition of property rights, the lands would change from Federal to State ownership. This would result in the loss of Federal subsistence rights, the lands would change from Federal to State ownership. A long-term lease or easement would preserve opportunities for a subsistence priority for rural residents from loss of Federal public lands. A long-term lease or easement would preserve opportunities for a subsistence priority for rural residents from loss of Federal public lands. The FAA conducted a public hearing on the Draft EIS October 2, 2008 and received comments on the Draft EIS through October 14, 2008. The FAA has reviewed and responded to the comments received during the Draft EIS comment period and made revisions to the EIS as appropriate.

FOURTH FURTHER INFORMATION CONTACT: Patricia Sullivan, Environmental Specialist, Federal Aviation Administration, Alaskan Region, Airways Division, 222 W. 7th Avenue #14, Anchorage, AK 99513–7504. Ms. Sullivan may be contacted during business hours at (907) 271–5454 (phone) and (907) 271–2851 (facsimile).

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Byron K. Huffman,
Manager, Airports Division, Alaskan Region.
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DEPARTMENT OF TRANSPORTATION
Pipeline and Hazardous Materials Safety Administration
[Docket No. PHMSA–2009–0148]

Pipeline Safety: Potential Low and Variable Yield and Tensile Strength and Chemical Composition Properties in High Strength Line Pipe

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


SUMMARY: PHMSA is issuing an advisory bulletin to owners and operators of natural gas pipeline and hazardous liquid pipeline systems. This bulletin advises pipeline system owners and operators of the potential for high grade line pipe installed on projects to exhibit inconsistent chemical and mechanical properties. Yield strength and tensile strength properties that do not meet the line pipe specification minimums have been reported. This advisory bulletin pertains to microalloyed high strength line pipe grades, generally Grade X–70 and above. PHMSA recently reviewed metallurgical testing results from several recent projects indicating pipe joints produced from plate or coil from the same heat may exhibit variable chemical and mechanical properties by as much as 15% lower than the strength values specified by the pipe manufacturer.

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SUPPLEMENTARY INFORMATION:

I. Background


During pipeline construction in the late-fall of 2008, several recently installed natural gas transmission pipeline systems experienced field hydrostatic test failures or excessively expanded pipe joints of large diameter, microalloyed high grade line pipe. Metallurgical, mechanical and chemical composition tests of the line pipe in these cases have shown pipe to have yield strengths, tensile strengths and/or chemical compositions that did not meet the requirements of the American Petroleum Institute, Specification for Line Pipe—5L, (API 5L), 43rd edition for the specified pipe grade. API 5L, product specification level (PSL 2), specifies material requirements in Section 6 and inspection and testing standards in Section 9. Even though the pipe supplier provided the pipeline owner or operator with documentation that the pipe that was delivered to the owner met these minimum standards, substandard pipe properties were found in some pipe joints. Specifically, PHMSA was made aware that some of the line pipe that was installed in these projects had yield strengths that were up to 15% below the listed API 5L specification requirements for the specific pipe grade.

Pipeline owners and operators should closely review the manufacturing procedure specifications for the production and rolling of the steel plate or coil that is to be used in the production of new microalloyed high strength line pipe to ensure that pipe steel was properly rolled into steel plate or coil prior to the pipe mill rolling process. Pipeline owners and operators should request detailed manufacturing procedure specifications (MPS) from the pipe manufacturer as a basis for ensuring critical steel processing parameters such as the detailed rolling schedule, including, but not limited to rolling temperature, heating temperature and temperature uniformity, are controlled throughout the steel rolling process.

Mechanical property and chemical composition tests should be conducted throughout the steel rolling and pipe manufacturing process to ensure uniformity of chemical and
II. Advisory Bulletin ADB–09–01

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

Subject: Potential Low and Variable Yield and Tensile Strength and Chemical Composition Properties in High Strength Line Pipe.


PHMSA has identified an integrity issue with respect to microalloyed high grade line pipe. Tests that have been conducted on line pipe that has been installed in pipeline systems have shown that some of the pipe material has yield strengths, tensile strengths, and/or chemical compositions that do not meet the requirements of the American Petroleum Institute, Specification for Line Pipe—5L (API 5L), for PSL 2 and the specified pipe grade. Pipe joints produced from plate or coil from the same heat may exhibit variable chemical and mechanical properties. Yield strengths below the minimum specified yield strength have been reported and yield strengths up to 15% lower than the strength values on the pipe manufacturer produced mill test report have also been reported. In some cases, the affected pipe may successfully pass strength testing methods contained in current specifications but may lead to a future pipeline integrity issue. The presence of low yield strength line pipe installed in a pipeline system may result in increased susceptibility to excessive pipe expansion or rupture during the pre-in-service field hydrostatic strength test.

PHMSA wants to ensure that owners and operators of recently constructed pipeline systems are aware of the need to investigate whether their pipelines contain joints of pipe that do not meet minimum specification requirements. Pipeline owners and operators should review all MPS mill test reports and other appropriate documentation with their pipe suppliers to determine if all specification requirements have been met. Pipeline owners and operators should be aware that small deviations in steel rolling schedule parameters can have a pronounced effect on final mechanical properties. The MPS should provide adequate information concerning process details and inspection methods to ensure that the materials are uniform and will meet all specification requirements.

PHMSA advises pipeline owners and operators of in service pipelines to review their pipe specifications, pipe steel making and rolling MPS, pipe mill test reports, deformation tool results and all hydrostatic test failure results for both mill and in place hydrostatic tests to ensure that inconsistent mechanical and chemical properties are not inherent in microalloyed line pipe grades on all API 5L—PSL 2, X70 and X80 line pipe installed during recent construction projects.

Pipeline owners and operators should conduct technical document reviews on all high strength microalloyed line pipe installed during this period, review hydrostatic test failures that occurred on pipelines installed during this period and consider using methods to detect pipe expansion such as running deformation tools that detect expanded pipe in these systems if they have any knowledge, findings or pipe history that lead them to believe their newly constructed high grade line pipe systems contain line pipe joints that do not meet specification requirements. Should a pipeline owner or operator have knowledge of other high grade pipe vintages supplied at early dates that are in their operating systems that may have this problem, they should consider conducting reviews as described above with these operating pipelines to ensure that operating pressures and anomaly repair procedures are not being conducted outside of their 49 CFR Parts 192 and 195 Code parameters.


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Jeffrey D. Wiese,
Associate Administrator for Pipeline Safety.

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