



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

SEP 9 2019

1200 New Jersey Avenue, SE  
Washington, D.C. 20590

Mr. Frank T. Richards, P.E.  
Senior Vice President, Program Management  
Alaska Gas Development Corporation  
3201 C Street, Suite 200  
Anchorage, Alaska 99503

**Docket No. PHMSA-2017-0044**

Dear Mr. Richards:

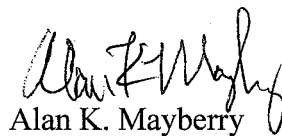
On April 14, 2017, Alaska Gas Development Corporation (AGDC) requested the Pipeline and Hazardous Materials Safety Administration (PHMSA) to issue a special permit to waive compliance from 49 Code of Federal Regulations (CFR) 192.103, 192.105, 192.317, and 192.620 for the use of strain-based design (SBD) for the Alaska LNG Pipeline. The Alaska LNG Pipeline is an 807-mile 42-inch-diameter natural gas transmission pipeline that AGDC has proposed to build extending from the AGDC's proposed Gas Treatment Plant (GTP) on the North Slope of Alaska to the Liquefaction Facility on the shore of the Cook Inlet near Nikiski, Alaska, including an offshore pipeline section crossing the Cook Inlet.

PHMSA is granting this special permit (enclosed) for the 42-inch diameter Alaska LNG Pipeline. This special permit provides relief from the Federal Pipeline Safety Regulations for the AGDC special permit segments and requires AGDC to comply with certain conditions and limitations designed to maintain pipeline safety. AGDC is authorized to design, construct, and operate approximately 34 miles of pipeline in seven (7) discrete special permit segments using SBD. SBD involves enhanced metallurgy and engineering to allow the pipe to deform in the longitudinal direction while maintaining its integrity and safety. SBD is a technology that enables compliance with 49 CFR 192.53, which requires that materials are "able to maintain the structural integrity of the pipeline under temperature and other environmental conditions that may be anticipated."

PHMSA grants this special permit based on the findings set forth in the "Special Permit Analysis and Findings" and "Final Environmental Assessment and Finding of No Significant Impact" documents, which can be read in their entirety in Docket No. PHMSA-2017-0044 in the Federal Docket Management System (FDMS) located at [www.regulations.gov](http://www.regulations.gov).

My staff would be pleased to discuss this matter or any other regulatory matter with you. Mr. John Gale, Director of Standards and Rulemaking Division may be contacted at 202-366-0434, on regulatory matters, and Ms. Senth White, Director of Engineering and Research Division, may be contacted at 202-366-2415, on technical matters specific to this special permit grant.

Sincerely,



Alan K. Mayberry  
Associate Administrator for Pipeline Safety

Enclosure: Special Permit – PHMSA-2017-0044

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