



## **KENAI PENINSULA BOROUGH**

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**MIKE NAVARRE  
BOROUGH MAYOR**

### **MEMORANDUM**

**TO:** Assembly President Gary Knopp  
Kenai Peninsula Borough Assembly Members

**THRU:** Mayor Mike Navarre *sd*

**FROM:** Chief James Baisden *JCB*

**DATE:** January 3, 2012

**SUBJECT:** Ordinance 2011-19-58: Appropriating \$30,000 from the Nikiski Fire Service Area Capital Project Fund for a Corrosive Water Mitigation System at Nikiski Fire Station #2

This memo corrects the memo dated November 23, 2011, and questions raised by the assembly at introduction.

The water for the new Nikiski Fire Station #2 is provided by Nikishka Bay Utilities. The water has a low pH (acidic) level and is considered corrosive. Due to its low pH level, it will have a negative long term impact on the piping, equipment and appliances at Fire Station #2.

Installation of a chemical injection system will mitigate the corrosive nature of the water. The proposed system will inject sodium hydroxide NA OH (Caustic Soda) to neutralize the acidic pH of the water. This system has been used in similar conditions with success. The cost of the chemical injection system is estimated to be between \$25,000 and \$30,000.

At its November 9, 2011, board meeting, the Nikiski Fire Service Area Board approved the use of \$30,000 from the Nikiski Fire Service area Capital Project Fund, fund balance for the purchase and installation of a chemical injection system.

Please amend the second and third whereas clauses in Ordinance 2011-19-58, as follows:

**WHEREAS**, water supplied by Nikishka Bay Utilities has a [HIGH] low [PH] pH level and is considered corrosive; and

**WHEREAS**, Although drinkable, because of its [HIGH] low [PH] pH level, it will have a negative long term impact on the piping, equipment and appliances at Fire Station #2; and

Your consideration is appreciated.