

## **Pipeline Specs for Keystone XL**

- Keystone XL would be a 36 inch, thin wall, high pressure oil pipeline
- Pipe wall thickness @ .465 (less than 1/2 inch)
- TransCanada uses cheaper “Welspun” supplied steel that is made in India. Welspun steel was shown to have defects in other pipelines built between 2007 and 2009. TransCanada was buying pipe from Welspun between 2007 and 2009.
- The testing pressure of the pipe is 1900 to 2000 psi and current U.S. regulations allow for 72% operating pressure, which equals 1440 psi.
- TransCanada applied for a “special permit”(essentially a safety waiver) that allows for operations at 80%, which equals 1600 psi. They withdrew their application after public outcry, but they are allowed to apply again if or when they receive a Presidential Permit. Receiving this permit would allow them to save an est. \$1 billion/year.
- In addition, the pipe is allowed to run 10% over operating pressure for overpressure and surge events.
- The proposed capacity is currently at 1.1 million barrels per day.
- This pipeline will be buried 2-4 feet underground, according to easement agreements and word from the company.
- According to company engineers, the friction and external heat would cause the materials pipeline to run at as much as 140 degrees Fahrenheit. Many chemicals thought to be in the pipeline have boiling points much lower than 140 F.