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**From:** DJLACHAP@up.com [mailto:DJLACHAP@up.com]

**Sent:** Friday, July 09, 2010 10:04 AM

**To:** Behnam Ghaffari

**Subject:** RE: File 0188-EX-RR-2010

Mr. Ghaffari,

Many of Union Pacific's locomotives and special-purpose rail cars are equipped with automated tracking systems and equipment, including Global Positioning Systems (GPS) receivers. The installation facilities where these systems are installed and tested are opaque to GPS signals. The Omaha location is used to test and research in engineering new locomotive onboard devices that use the GPS signal. The other locations are as explained above.

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