

**NORTHWEST EMC, INC.**

22975 NW Evergreen Parkway, Suite 400  
Hillsboro, OR 97124

February 28, 2007

Dear Application Examiner:

On behalf of Schweitzer Engineering Laboratories, Inc., Northwest EMC Inc is submitting this application for the certification of Schweitzer's 915MHz radio transceiver, M/N: SEL-8310. The product is a Wireless Remote Fault Reader, FCC ID: R34SEL-8310. The radio operates in the 902-928 MHz band and uses FSK modulation. The SEL-8310, as part of the RadioRANGER system, helps locate underground faults. The SEL-8310 communicates with an underground SEL-8300 that monitors fault conditions on up to four 3-phase circuits per installation. It is battery operated with no provision for connection to the AC mains either directly, or indirectly from another device.

The radio works with two different types of antennas: an internal coaxial dipole or a remote ¼ wave stub with a magnetic base. The remote antenna is connected through 10 feet of RG-58U coax cable and is intended for use on the roof of a vehicle. Testing was performed with both types of antennas. These configurations satisfy the requirements of 47 CFR 15.203.

The receiver portion of this radio transceiver has been verified to FCC 15B. The technical reports and exhibits demonstrate compliance with FCC rules 47 CFR 15.249.

Your efforts in reviewing this application are greatly appreciated.

Best regards,

Northwest EMC, Inc.