

Environmental Protection

There are two main factors that need to be addressed in order to make sure that the environment around a proposed facility is protected.

1) Significant affects to the environment.

EMF's proposed facility will be constructed on an existing tower, therefore it should have no adverse effect on the surrounding environment.

2) Human exposure to excess levels of radiofrequency radiation.

In order to comply with OET 65, EMF carefully investigated RF sources on the site, and learned that the site is not straightforward. There are multiple towers with both TV and FM stations nearby and the proposed EMF station only adds 12.22 $\mu\text{W}/\text{cm}^2$ at its highest value to the site.

Accordingly, EMF respectfully requests that the Commission grant the instant Construction Permit with the condition that EMF make RF measurements before constructing the facility and submit the results of those measurements, along with the theoretical change caused by the addition of its antenna, prior to Commission grant of Program Test Authority.

If the results of the measurements and subsequent calculations reveal that there are areas that would exceed the requirements of OET 65 for controlled or uncontrolled access, EMF will work with the site owners and other broadcasters to erect fencing and/or signage to fully comply with OET 65.

Further, after construction of the instant facility, EMF will continue to cooperate with other site users to reduce power or cease broadcasting as necessary to protect workers and others having access to the site from excessive levels of RF Radiation.