## LPTV Station K21DE • Flash-Cut to Digital • Seaside/Astoria, Oregon

### Statement Concerning Environmental Processing

The applicant seeks authority to "flash-cut" the operation of K21DE from NTSC Channel 21 to DTV Channel 21, with some associated facility modifications.

The proposed antenna will be mounted on an existing structure and will not increase the overall height of that structure. The Commission's TOWAIR routine indicates that the antenna structure does not require registration.

The proposed operation was evaluated using Far-Field Equation (1) on page 30 of Supplement A to OET Bulletin No. 65 (August 1997). $ERP_V$ was set to zero and $ERP_A$ was set to the maximum ERP specified in Item 9 of the "Tech Box" portion of FCC Form 346. The elevation-plane antenna relative field values ("F" in Equation (1)) were those published by the manufacturer for the specified antenna. The maximum calculated power density at 2 meters above ground was found to be 3.0% of the public MPE limit applicable to the frequency of the proposed operation. The proposed operation is therefore categorically excluded under Section 1.1306 of the Commission's rules from having to consider the contributions of other stations at the site.

It is reported that access to the structure on which the antenna is to be mounted and to associated radio frequency generating equipment is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower, it is also reported that appropriate measures will be taken to ensure worker safety with respect to radio frequency exposure. Such measures may include reducing the average exposure by spreading out the work over a longer period of time, wearing personal protective clothing and/or personal exposure monitors, or scheduling work when the stations are at reduced power or shut down.

None of the other factors specified in Section 1.1307 of the Rules are believed to apply.