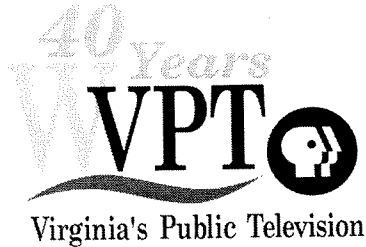


COPY



FILED/ACCEPTED
MAR 28 2008
Federal Communications Commission
Office of the Secretary

March 25 008

BY HAND

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20054

Attn: Hossein Hashemzadeh, Associate Chief
Video Division, Media Bureau

**Re: Shenandoah Valley Educational Television Corporation
WVPY3-DT, Ruckersville, VA (Facility ID 66378)
BEXPB-20070327AFG
Request for Renewal of Experimental License for DTV Booster**

Dear Ms. Dortch:

Shenandoah Valley Educational Television Corporation ("SVETC") licensee of WVPY, Channel 42 and WVPY-DT, Channel 21, Front Royal, Virginia (Facility ID 66378), respectfully requests renewal of the above-referenced experimental license for WVPY3-DT, a Digital Television (DTV) booster station operating on Channel 21 at Ruckersville, Virginia. The current authorization expires on May 16, 2008. **Attachment A** is the report required by Section 74.113 of the Commission's rules, 47 C.F.R. § 74.113, containing the information described in that section. **Attachment B** is an executed Anti-Drug Abuse Act certification.

Please direct action on this request to me, with a copy to our counsel Eve R. Pogoriler, Esq. at Covington & Burling LLP, 1201 Pennsylvania Avenue, N.W., Washington, D.C. 20004-2401. If you have any questions, please contact Ms. Pogoriler at (202) 662-5345 or epogoriler@cov.com, and she will arrange for a prompt response.

Respectfully yours,

Tony A. Mancari, Sr.
Chief Operating Officer

Attachments

Supplementary Report for Renewal of Experimental DTV Booster (§ 74.113)

Call Sign (Facility ID) Operational Date	Channel & Location	Original File Number	Power (ERP)
WVPY3-DT (66378) August 30, 2005	Channel 21 Ruckersville, VA	BEXP-200200603ACF	0.050 kW

(1) Number of Hours Operated Per Day:	24 hours per day.
(2) Data on research and experimentation conducted including the types of transmitting and studio equipment used and their mode of operation.	<p>Transmitter used is a solid state low power Axcera DTV Channel 21 transmitter with a Catherine Scala broadcast Channel 21 antenna. The studio equipment is a serial digital component SDI SD built to 400 MBPS and a 1080i 1.5 GBPS HD broadcast studio plant, with the internal 2 SDs and HD multiplexed 24 hours a day, 7 days a week.</p> <p>We have constructed the facilities so that they can be reconfigured for Distributed Transmission System (“DTS”) operation. DTS operations would require a reconfiguration to the exciter at the main station and a reconfiguration to the receive-mode of this experimental facility. Thus, we believe that if and when the Commission concludes the DTS proceeding (MB Dkt. No. 05-312) and creates a DTS service, we will be able to make the minor modifications needed for DTS operations. Until that time, these experimental operations are informative with respect to our ability to provide digital service to our viewers who are shielded by mountainous terrain from the main station’s digital service.</p> <p>We also use this DTV booster to provide overnight ITSF service downloads to local schools. We serve 188 schools and we have been intensively and proactively involved in shifting the schools from analog to digital service. We estimate that nearly 20 schools still use our analog translators for this purpose. We have visited schools to educate them as to the DTV equipment that they will need and, in some cases, to install that equipment. Many of these schools are unable to subscribe to the pay-TV services (cable or DBS), and they rely on our over-the-air broadcasts (as provided by the DTV boosters) to receive the programming. We are continuing to educate and transition these schools.</p>
(3) Data on expense of research and operation	The initial equipment expense was under \$100,000 for this specific transmitter site (for an antenna, transmission line, and

during the past year.	transmitter, as well as certain other costs). Research and performance field tests measurements cost \$2,500 (including extra monitoring point readings). To date, operational expenses have averaged \$100-\$150 per month.
(4) Power employed, field intensity measurements and visual and aural observations and the types of instruments and receivers utilized to determine the station service area and the efficiency of the respective types of transmissions.	The station was constructed as designed and approved in the construction permit using the specific approved equipment. For performance tests Axcera (the original equipment manufacturer for the transmitter) did a proof of performance on the digital transmitter. We feed a multiplexed 19.39 ATSC ASI (asynchronous interface) stream to a SMPTE 310 converter over a 2-hop microwave system from the studio to the transmitter site located on Fork Mountain in Madison County. Chief Engineer Tony Barrick used a Leader-model field strength measurement device and associated antenna equipment on a mast at 30 feet in the air. We employed various vendor set top boxes (RCA, Samsung, Hyosense, and LG) with the video and audio outputs fed to a monitor receiver to review and compare picture and audio quality on SD and HD services in the multiplex. The quality of the received signal is excellent and we are filling the proposed coverage of the antenna based on field strength readings taken from ECS Broadcast Frequency Measurement Services.
(5) Estimated degree of public participation in reception and the results of observations as to the effectiveness of types of transmission.	As noted above, we are working with the schools (and cable head-ends) within the service area to convert them from receiving our analog translator Channel 8 signal to our digital repeater (Channel 21) signal. The digital service is superior and provides better service to the public. We started a "DTV Schools" program and partnered with equipment manufacturers and others (including DTV Answers and the FCC's DTV.gov initiative). In addition to our school visits, we make regular visits to civic organizations, churches, and even to interested viewers' homes in order to educate them about the DTV transition and to assist with reception issues – approximately two dozen visits in the last year alone, and expected to increase in the future. Our efforts include DTV discussions, training, assistance with reception equipment issues, and even a DVD with facts and answers about the DTV transition. We are finding that the public is interested in learning how to receive our digital signal and in most cases have been able to do so with the installation of set-top boxes, digital television, and/or computer cards with DTV tuners.
(6) Conclusions, tentative and final.	This station permits us to provide DTV service to the viewing public in the terrain-blocked area around Fork Mountain in

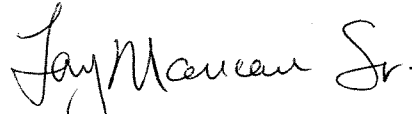
	<p>Madison County. These viewers would otherwise be unable to receive over-the-air digital service from our main transmitter site. We conclude that we are able to provide adequate coverage in the licensed service area with minimal impact to the environment and expense to the station. With 500 watts, we are covering the area very nicely. Viewer reaction has been very positive, and we have received numerous comments of how good the picture quality is on both the SD and HD services.</p>
<p>(7) Program of further developments in broadcasting.</p>	<p>We have begun a proactive service to the communities we serve with the digital repeaters. We provide a 24 x 7 High Definition service, a digital copy of our analog channel, and a "how-to" education channel. As noted above, we are currently working with the schools in the area to move our Instructional Television for the schools from our analog transmission over to our full time education and "how-to" channel.</p>
<p>(8) All developments and major changes in equipment, if any.</p>	<p>The original microwave path was converted to a Nucomm digital microwave with T1 control interface, adding a digital transmitter and antenna; all have performed as the system was designed.</p>
<p>(9) Any other pertinent developments.</p>	<p>Virginia's Public Television – WVPY appreciates the opportunity to continue exploring this experimental operation. It has provided a much needed digital service to a community that really has no other potential coverage.</p>

CERTIFICATION

The applicant certifies that, in the case of an individual applicant, he or she is not subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853a, or, in the case of a non-individual applicant (*e.g.*, corporation, partnership or other unincorporated association), no party to the application, as party is defined in 47 C.F.R. §§ 1.2001-1.2003, is subject to a denial of federal benefits pursuant to that section.

Signed and dated this 25 day of March, 2008.

SHENANDOAH VALLEY
EDUCATIONAL TELEVISION
CORPORATION



Tony A. Mancari, Sr.
Chief Operating Officer