Exhibit 43 - Statement C

**ENVIRONMENTAL CONSIDERATIONS** 

prepared for

White Knight Broadcasting of Natchez License Corp.

WNTZ-DT Natchez, Mississippi Facility ID 16539

Ch. 49 790 kW 549 m

The instant proposal is not believed to have a significant environmental impact as defined under

Section 1.1306 of the Commission's Rules. Consequently, preparation of an Environmental Assessment

is not required.

**Nature of The Proposal** 

White Knight Broadcasting of Natchez License Corp. ("White Knight") herein proposes to

modify the Construction Permit for WNTZ-DT, a new digital television ("DTV") station on Channel 49,

paired with WNTZ analog Channel 48, Jackson, Mississippi. White Knight proposes to locate the

WNTZ facility on a new tower structure.

Based on information provided by representatives of the applicant, it is believed that the provisions

of Section 1.1307(a)(1-7) would not apply in this case.

The proposed WNTZ-DT transmitting antenna will be top-mounted on a new tower structure. The

FAA has been advised of the proposed construction on FAA Form 7460-1. The area surrounding the

proposed site is rural in nature and is not residential or heavily populated. Accordingly, the use of white

high intensity lighting (as specified in the pending FAA Form 7460-1) is not expected to be objectionable.

However, White Knight may utilize a dual tower lighting configuration should there be any concern.

Therefore, it is believed that this application may be categorically excluded from environmental processing

pursuant to §1.1306 of the FCC Rules.

<sup>1</sup>There are no block-level centroids within 1 km of the proposed site, according to 2000 U.S. Census data.

Cavell, Mertz & Davis, Inc.

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**Human Exposure to Radiofrequency Radiation** 

The proposed operation was evaluated for human exposure to radiofrequency energy using the

procedures outlined in the Commission's OET Bulletin No. 65 ("OET 65"). OET 65 describes a means

of determining whether a proposed facility exceeds the radiofrequency exposure guidelines adopted in

§1.1310. Under present Commission policy, a facility may be presumed to comply with the limits specified

in §1.1310 if it satisfies the exposure criteria set forth in OET 65. Based upon that methodology, and as

demonstrated in the following, the proposed transmitting system will comply with the cited adopted

guidelines.

The WNTZ-DT antenna will be installed such that its center of radiation is 568.8 meters above

ground level. An effective radiated power ("ERP") of 790 kilowatts, horizontally polarized, will be

employed. According to elevation pattern data provided by the antenna manufacturer, the proposed

WNTZ-DT antenna will have a relative field of 10 percent or less from 10 to 90 degrees below the

horizontal plane (i.e.: below the antenna). Thus, a value of 10 percent relative field is used for this

calculation. The "uncontrolled/general population" limit specified in §1.1310 for Channel 49 (center

frequency 683 MHz) is 455.3 µW/cm<sup>2</sup>.

OET-65's formula for television transmitting antennas is based on the NTSC transmission

standards, where the average power is normally much less than the peak power. For the DTV facility in

the instant proposal, the peak-to-average ratio is different than the NTSC ratio. The DTV ERP figure

herein refers to the average power level. The formula used for calculating DTV signal density in this

analysis is essentially the same as equation (9) in OET-65.

 $S = (33.4098) (F^2) (ERP) / D^2$ 

Where:

S = power density in microwatts/cm<sup>2</sup>

ERP = total (average) ERP in Watts

F = relative field factor

D = distance in meters

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Using this formula, the proposed facility would contribute a power density of  $0.82\,\mu\text{W/cm}^2$  at two meters above ground level near antenna support structure, or 0.2 percent of the general population/uncontrolled limit. At ground level locations away from the base of the tower, the calculated RF power density is even lower, due to the increasing distance from the transmitting antenna.

§1.1307(b)(3) states that facilities contributing less than five percent of the exposure limit at locations with multiple transmitters are categorically excluded from responsibility for taking any corrective action in the areas where their contribution is less than five percent. Since the instant situation meets the five percent exclusion test at all ground level areas, the impact of any other facilities near this site may be considered independently from this proposal. Accordingly, it is believed that the impact of the proposed operation should not be considered to be a factor at or near ground level as defined under §1.1307(b).

## Safety of Tower Workers and the General Public

As demonstrated herein, excessive levels of RF energy will not be caused at publicly accessible areas at ground level near the antenna supporting structure. Consequently, members of the general public will not be exposed to RF levels in excess of the Commission's guidelines. Nevertheless, tower access will be restricted and controlled through the use of a locked fence. Additionally, appropriate RF exposure warning signs will be posted.

With respect to worker safety, it is believed that based on the preceding analysis, excessive exposure would not occur in areas at ground level. A site exposure policy will be employed protecting maintenance workers from excessive exposure when work must be performed on the tower in areas where high RF levels may be present. Such protective measures may include, but will not be limited to, restriction of access to areas where levels in excess of the guidelines may be expected, power reduction, or the complete shutdown of facilities when work or inspections must be performed in areas where the exposure guidelines will be exceeded. On-site RF exposure measurements may also be undertaken to establish the

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bounds of safe working areas. The applicant will coordinate exposure procedures with all pertinent stations.

## Conclusion

Based on the preceding, it is believed that the instant proposal may be categorically excluded from environmental processing under Section 1.1306 of the Rules, hence preparation of an Environmental Assessment is not required.