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July 27, 2006

BY HAND

Robert G. Nelson  
Chief, Satellite Division  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

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JUL 27 2006

Federal Communication Commission  
Bureau / Office

Re: SBS-6, Response to Information Request Regarding Application  
for License Modification or, in the Alternative, Request for  
Special Temporary Authority  
IBFS File Nos. SAT-MOD-20051020-00204 and  
SAT-STA-20051020-00205

Dear Mr. Nelson:

This letter responds to your request of May 11, 2006, for further information from PanAmSat Licensee Corp. ("PanAmSat") concerning its applications for an extension of the license term for SBS-6 or, in the alternative, for Special Temporary Authority ("STA") to operate SBS-6 for a period of 180 days after the license expires.<sup>1</sup>

In response to your specific questions:

- (1) PanAmSat plans to use a disposal altitude at the end of life of SBS-6 of 150 km above the geostationary orbit.
- (2) PanAmSat has reserved 6.5 lbs. of bi-propellant to accomplish a 150 km deorbit altitude. The reserved fuel figure was determined by the spacecraft manufacturer and provided for in the propellant budget. To calculate this figure, the manufacturer used the "rocket equation," *i.e.*, it plugged in the

<sup>1</sup> As a result of an oversight, this letter was not submitted within the 30-day time frame that you had requested. PanAmSat apologizes for the delay.

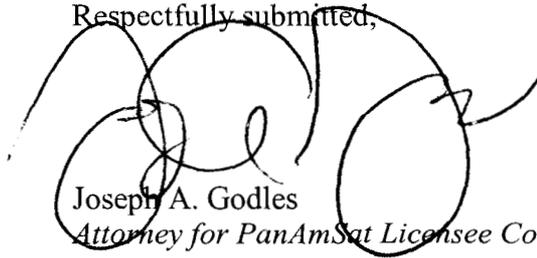
expected mass of the satellite at end of life and the required delta-velocity to achieve the desired orbit. PanAmSat has established a 2-sigma fuel reserve allowance to account for fuel gauging uncertainty.

- (3) The fuel that is estimated to be available to SBS-6 as of July 24, 2006, consists of 64.6 lbs. of oxidizer and 42.2 lbs. fuel.
- (4) PanAmSat has not experienced any in-orbit anomalies with SBS-6 that could cause loss of control of the spacecraft or prevent post-mission disposal.
- (5) Stored energy will be removed at the spacecraft's end of life by depleting all propellant tanks and leaving fuel line valves open, venting all pressurized systems, leaving all batteries in a permanent discharged state, and turning off all active units. .

Finally, PanAmSat confirms that it intends to maintain the assigned orbital longitude of SBS-6 in the east-west direction within +/- 0.05 degrees during the remainder of the satellite's operational life.

Please direct any questions with respect to this matter to the undersigned.

Respectfully submitted,



Joseph A. Godles  
*Attorney for PanAmSat Licensee Corp.*

**GOLDBERG, GODLES, WIENER & WRIGHT**

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