-----Original Message-----
From: Keil J. Ritterpusch [mailto:kritterpusch@comspacelaw.com]
Sent: Thursday, November 18, 2004 11:39 AM
To: Sylvia Lam
Cc: Robert Nelson; Louise Klees-Wallace; Andrea Kelly
Subject: RE: Digital Globe -SAT-MOD-20040728-00151

Sylvia--

Sorry for not responding to you sooner. One reason we were holding out on responding was because we have a new earth station in Prudhoe Bay, Alaska that will communicate with the NGSO constellation once it is approved by the Commission. We thought that the site would be approved by now, but there have been a few minor complications that have prevented the site from being licenses.

Nevertheless, the new site is listed as Site 1 in the attached chart. The license application is being coordinated at NTIA right now. Also, we are working on an STA for the site right now, hopefully to be filed early this afternoon, to enable DigitalGlobe to perform communications testing at the site in advance of the ultimate approval of the underlying SES license (SES-LIC-20020607-00808) in a few weeks. For more information on the site, please give me a call (or talk to Scott Kotler).

I hope the attached chart is responsive to your inquiry. I will call you in a little while to discuss in either event.

Best regards,
Keil

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-----Original Message-----
From: Sylvia Lam [mailto:Sylvia.Lam@fcc.gov]
Sent: Thursday, November 18, 2004 8:57 AM
To: kritterpusch@comspacelaw.com
Cc: Robert Nelson; Sylvia Lam; Louise Klees-Wallace; Andrea Kelly
Subject: RE: Digital Globe -SAT-MOD-20040728-00151

Hi Keil,

I have not heard back from you.

Please provide me the requested information pertaining to station(s) located on the ground as soon as possible so that I can send DigitalGlobe application's FAS records to NTIA for coordination ASAP.

Please let me know if you have any questions.

Thanks,
Sylvia

-----Original Message-----
From: Keil J. Ritterpusch [mailto:kritterpusch@comspacelaw.com]
Sent: Tuesday, November 02, 2004 9:32 AM
To: Sylvia Lam
Cc: Robert Nelson; 'Howard J Gannes'; 'Craig Scheffler'; 'Skip Cubbedge'; beckerle@digitalglobe.com
Subject: RE: Digital Globe -SAT-MOD-20040728-00151

Sylvia--

Thank you for your e-mail. I am forwarding this e-mail to DigitalGlobe's FCC expert, Howard Gannes, as well as to two (2) DigitalGlobe engineers who will assist in providing the information requested.

We will get back to you as quickly as possible. Again, thanks for all of your help.

Best regards,
Keil

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-----Original Message-----
From: Sylvia Lam [mailto:Sylvia.Lam@fcc.gov]
Sent: Tuesday, November 02, 2004 9:21 AM
To: kritterpusch@comspacelaw.com
Cc: Sylvia Lam; sthompson@digitalglobe.com; Robert Nelson
Subject: Digital Globe -SAT-MOD-20040728-00151

Hi Keil,

We sent your application to NTIA. NTIA got back to us and would like your application to be coded using instruction from NTIA's Manual. I am working on the FAS coding, The FAS coding includes two sections: one section collects data of satellites transmitting to the ground stations and the other collects data of ground stations receiving from the satellites. Your application indicates that the NGSO will transmit remote sensing data to the ground stations in the US and the world. Can you provide specific information for your ground stations?

The information should be as the following for the frequencies 8185 MHz/375MG7D, 8380 MHz/2MG7D, and 2085.6875 MHz/128KG1D:

1. Address of site location.
2. coordinates (Latitude and Longitude)
3. Polarization
4. Minimum Angle of elevation
5. Call Sign
6. Antenna gain for the receive
7. beamwidth
8. The range of azimuth
9. The range of elevation
10. Height of antenna.

Thanks,
Sylvia

DIGITALGLOBE, INC. U.S. EARTH STATION TRANSMIT & RECEIVE SITES

1. Prudhoe Bay, AK (application with FCC pending; Call Sign E040264)

Location: DigitalGlobe RGTPB
Tract #53 of ASLS 76-227
North Slope Borough
Prudhoe Bay, Alaska 99734 (no shipping address)

Frequency	Coordinates (Lat & Long)	Polarization	Minimum Angle for Elevation	Call Sign
Downlink – 8185; 8380 Uplink – 2085.6875	Lat – 70 deg 13 min, 12.6 sec North Long – 148 deg 23 min 59.2 sec West	RHCP and LHCP X-band Receive (8185 MHz/375 MG7D, RHCP S-band Transmit (2085.6875 MHz/ 128KG1D).	0.0 degrees for X-band receive (8185 MHz/375 MG7D, 8380 MHz/ 2MG7D); 3.0 degrees for S-Band transmit (2085.6875 MHz /	"New" Assignment is FCC E040264 or Longmont Control point E95049

	Elev: 15 M NAD-83		128KG1D).	

Antenna Gain (Receive)	Beamwidth	Range of Azimuth	Range of Elevation	Height of Antenna
30.5 dB G/T (8185 MHz / 375MG7D), 8380 MHz/2MG7D. Should measure out somewhere between 29.0 and 30.5 dB for G/T a the site.	0.46 degrees in X-band receive (Full width at 3dB down) (8185 MHz / 375MG7D, 8380 MHz/2MG7D) 1.85 degrees in S-band transmit (full width at 3dB down) (2085.6875 MHz/128KG1D).	0 to 360 degrees for all frequencies (8185 MHz/ 375MG7D, 8380 MHz/2MG7D), (2085.6875 MHz/ 128KG1D)	0 to 90 degrees for X-band receive (8185MHz/ 375MG7D, 8380 MHz/2MG7D) 3 to 90 degrees for S-band transmit (2085.6875 MHz/128KG1D)	RF Feed at 21.9 feet (6.7 meters) above ground or 71.1 feet (21.7 meters) above sea level ; Maximum height of antenna structure 30.6 feet (9.34 meters) above ground.

2. Fairbanks, Alaska Site ID – E950499

Location: DigitalGlobe RGTAK
3 Mile Chena Hot Springs Road
Fairbanks, Alaska 99712

Frequency	Coordinates (Lat & Long)	Polarization	Minimum Angle for Elevation	Call Sign
Downlink – 8185; 8380 Uplink – 2085.6875	Lat – 64 deg 53 min, 27.6 sec North Long – 147 deg 31 min 44.4 sec West Elev: 122 M NAD-83	RHCP and LHCP X-band Receive (8185 MHz/375 MG7D; 8380 MHz/2MG7D) RHCP S-band Transmit (2085.6875 MHz/128KG1D).	0.0 degrees for X-band receive (8185 MHz/375 MG7D, 8380 MHz/ 2MG7D); 3.0 degrees for S-Band transmit (2085.6875 MHz / 128KG1D).	FCC Assignment is E950499 or Longmont Control point E95049

Antenna Gain (Receive)	Beamwidth	Range of Azimuth	Range of Elevation	Height of Antenna
31.25 dB G/T (8185 MHz / 375MG7D), 8380 MHz/2MG7D. Measures out to around 30.5 dB for G/T a the site.	0.35 degrees in X-band receive (Full width at 3dB down) (8185 MHz / 375MG7D, 8380 MHz/2MG7D) 1.35 degrees in S-band transmit (full width at 3dB down) (2085.6875 MHz/128KG1D).	0 to 360 degrees for all frequencies: (8185 MHz/ 375MG7D, 8380 MHz/2MG7D), (2085.6875 MHz/ 128KG1D)	0 to 90 degrees for X-band receive (8185MHz/ 375MG7D, 8380 MHz/2MG7D) 3 to 90 degrees for S-band transmit (2085.6875 MHz/128KG1D)	RF Feed at 21.0 feet (6.4 meters) above ground or 726.2 feet (221.4 meters) above sea level ; Maximum height of antenna structure 33 feet (10 meters).