

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA for C-band Transmit/Receive Earth Station on Lucius Spar Petroleum Platform

1. Applicant

Name: Anadarko Petroleum Corporation Phone Number: 832-636-1140
DBA Name: Fax Number:
Street: Suite 500 West E-Mail: peter.dehart@anadarko.com
1001 G Street, NW
City: Washington State: DC
Country: USA Zipcode: 20001
Attention: Peter DeHart


File # SES-STA-20140107-00008
Call Sign: W2000S
Grant Date: 1-13-14
From: 1-13-14
Approved: Peter DeHart
International Bureau

Applicant: Anadarko Petroleum Corporation
Call Sign: E140005
File Number: SES-STA-20140107-00008
Special Temporary Authority (STA)

Anadarko Petroleum Corporation is granted STA, under special operation conditions, for a period of 30 days.

1. Operation is located at 26 deg 07' 54.8" N.L./ 092deg 02' 25.1" W.L. on the Lucius Spar KC875 Offshore Oil Platform in the Gulf of Mexico.
2. Operations will transmit in the 5925-6425 MHz frequencies as uplink and receive in the 3700-4200 MHz frequencies as downlink to access Satmex 6 (S2695) at orbital location 113 deg W.L. using a SeaTel 2.4 meter antenna model 9797 at antenna gain of 41.7 dBi at 6.175 MHz and 38.5 dBi at 3.950 MHz .
3. Emission designator of 7M66G7W with maximum effective isotropic radiated power (eirp) density will be 18.9 dBW/4kHz as listed in the application's submitted Frequency Coordination Report.
4. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
5. Grant of this STA is without prejudice to any determination that the Commission may make pending application SES-LIC-20140107-00007.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Anadarko Petroleum Corporation's risk.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

File # SES-STA-20140107-00008
Call Sign E140005 Grant Date 1-13-14
(or other identifier)
From 1-13-14 Term Dates To: 2-12-14
Approved: [Signature]



2. Contact			
Name:	Raul Magallanes	Phone Number:	2813171397
Company:	The Law Office of Raul Magallanes	Fax Number:	2812718085
Street:	3824 Cedar Springs Rd 801-2859	E-Mail:	raul@rrtelecomlaw.com
City:	Dallas	State:	TX
Country:	USA	Zipcode:	75219 -
Attention:	Raul Magallanes	Relationship:	Other
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)			
3. Reference File Number or Submission ID IB2013002919			
4a. Is a fee submitted with this application?			
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).			
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee			
<input type="radio"/> Other(please explain):			
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other			
6. Requested Use Prior Date			
01/10/2014			

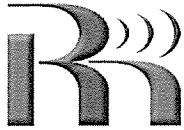
7. City/Gulf of Mexico	8. Latitude (dd mm ss.s h) 26 7 54.8 N
9. State LA	10. Longitude (dd mm ss.s h) 92 2 25.1 W
11. Please supply any need attachments. Attachment 1: Cover Letter Attachment 2: Frequency Coordinati Attachment 3: Non-compliant statern	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px;">Anadarko Petroleum Corporation seeks to request an Special Temporary Authorization for a C-band, transmit/receive earth station on their Lucius Spar oil platform, in the Gulf of Mexico. The earth station will provide voice and data services to the personnel in the oil platform. This antenna will be the only means of communication for the user.</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Peter DeHart	15. Title of Person Signing Engineering Lead
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.



January 7, 2014

Paul Blais
System Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Request for Special Temporary Authority

Dear Mr. Blais,

Pursuant to Section 25.120(a) of the Rules and Regulations (“Regulations”) of the Federal Communications Commission (“Commission”), Anadarko Petroleum Corporation. (“Anadarko”) seeks Commission consideration for a Special Temporary Authority (“STA”) to operate a new earth station.

According to Section 25.120(b)(3) of the Regulations, the Commission may grant temporary authority for a period not to exceed 60 days, if the STA request has not been placed on public notice, and the applicant plans to file a request for regular authority for the service. In the instant case, the STA request has not been placed on public notice and Anadarko has filed an application for regular authority¹. Therefore, Anadarko respectfully requests an STA for a period not to exceed 60 days.

According to Section 25.120 (b)(1) of the Regulations, "The Commission may grant a temporary authorization only upon a finding that there are extraordinary circumstances requiring temporary operations in the public interest and that delay in the institution of these temporary operations would seriously prejudice the public interest."

In the instant case, Anadarko plans to provide service to the Lucius Spar platform located in the KC875 block of the Gulf of Mexico. As such, it provides lifeline communications to the crew aboard the platform. The satellite link will be used extensively by crew members that depend on it for their voice and data needs. Therefore, it is in the public interest that communications to the platform continue uninterrupted. Anything potentially affecting the safety of platform personnel is in the public interest.

Frequency coordination has been completed resulting in the conclusion that no harmful interference will be caused to fixed systems by the proposed satellite antenna. The antenna at issue is a Seatel 9797 which is in the FCC list of approved non-routine earth station antennas.

The current application plans to use the Satmex 62 (247E) satellite.

In order to ensure timely communications to crew member of the platform, the requested date for prior use is January 10, 2014. In accordance to Section 25.120(a) of the Regulations, this STA is being filed at least 3 working days prior to the date of proposed operation.

Because of the nature of operations in this platform, it is in the public interest that the proposed earth station be operational to accommodate the critical calls that are placed by platform personnel. In addition, should there be an emergency in this platform; this earth station would be used to place calls to communicate with the appropriate agencies.

¹ See Application Submission ID: IB2013002919

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

**Anadarko Petroleum Corporation
Lucius Spar, Gulf of Mexico
(Oil Platform)**

Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Virginia 20147
December 17, 2013

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-receive earth station.

Company

None

No carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Expedited coordination data for this earth station was faxed and sent to the below listed carriers with a letter dated November 22, 2013. An expedited revised coordination notice was faxed and sent on December 13, 2013.

Company

Comsearch

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 12/17/2013
Job Number: 131213COMSJC10

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: S04815
Licensee Name: Anadarko Petroleum Corporation

Site Information

LUCIUS SPAR, GULF of MEXICO
Venue Name: Oil Platform
Latitude (NAD 83): 26° 7' 54.8" N
Longitude (NAD 83): 92° 2' 25.1" W
Climate Zone: B
Rain Zone: 1
Ground Elevation (AMSL): 0.0 m / 0.0 ft

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Digital
Satellite Arc: 32° W to 139° West Longitude
Azimuth Range: 104.2° to 247.6°
Corresponding Elevation Angles: 18.4° / 30.3°
Antenna Centerline (AGL): 33.53 m / 110.0 ft

Antenna Information

	Receive	Transmit
Manufacturer	Sea Tel	Sea Tel
Model	9797	9797
Gain / Diameter	38.5 dBi / 2.4 m	41.7 dBi / 2.4 m
3-dB / 15-dB Beamwidth	2.04° / 3.80°	1.40° / 2.64°

Max Available RF Power	(dBW/4 kHz)	-22.8
	(dBW/MHz)	1.2

Maximum EIRP	(dBW/4 kHz)	18.9
	(dBW/MHz)	42.9

Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	2M29G7W - 7M66G7W / 3700.0 - 4200.0	2M29G7W - 7M66G7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance	562.8 km / 349.7 mi	152.3 km / 94.6 mi
Precipitation Scatter Contour Radius	585.0 km / 363.4 mi	100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147

(703)726-5500 <http://www.comsearch.com>

Coordination Values

LUCIUS SPAR, GM

Licensee Name Anadarko Petroleum Corporation
Latitude (NAD 83) 26° 7' 54.8" N
Longitude (NAD 83) 92° 2' 25.1" W
Ground Elevation (AMSL) 0.0 m / 0.0 ft
Antenna Centerline (AGL) 33.53 m / 110.0 ft
Antenna Model Sea Tel 9797
Antenna Mode Receive 4.0 GHz Transmit 6.1 GHz
Interference Objectives: Long Term -156.0 dBW/MHz 20% -154.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -22.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	103.51	-10.00	412.20	-10.00	117.35
5	0.00	98.77	-10.00	412.20	-10.00	117.35
10	0.00	94.03	-10.00	412.20	-10.00	117.35
15	0.00	89.29	-10.00	412.20	-10.00	117.35
20	0.00	84.54	-10.00	412.20	-10.00	117.35
25	0.00	79.80	-10.00	412.20	-10.00	117.35
30	0.00	75.07	-10.00	412.20	-10.00	117.35
35	0.00	70.35	-10.00	412.20	-10.00	117.35
40	0.00	65.65	-10.00	412.20	-10.00	117.35
45	0.00	60.97	-10.00	412.20	-10.00	117.35
50	0.00	56.33	-10.00	412.20	-10.00	117.35
55	0.00	51.72	-10.00	412.20	-10.00	117.35
60	0.00	47.17	-9.84	414.16	-9.84	117.77
65	0.00	42.70	-8.76	427.87	-8.76	120.69
70	0.00	38.33	-7.59	443.25	-7.59	124.06
75	0.00	34.11	-6.32	460.52	-6.32	127.94
80	0.00	30.09	-4.96	479.17	-4.96	132.37
85	0.00	26.37	-3.53	500.33	-3.53	137.33
90	0.00	23.11	-2.09	522.49	-2.09	142.61
95	0.00	20.51	-0.80	543.28	-0.80	147.64
100	0.00	18.85	0.11	558.40	0.11	151.22
105	0.00	18.40	0.38	562.83	0.38	152.32
110	0.00	19.24	-0.10	554.76	-0.10	150.33
115	0.00	21.21	-1.16	537.38	-1.16	146.21
120	0.00	24.03	-2.52	515.81	-2.52	141.01
125	0.00	27.45	-3.97	493.79	-3.97	135.79
130	0.00	31.27	-5.38	473.15	-5.38	130.98
135	0.00	35.34	-6.71	455.20	-6.71	126.74
140	0.00	39.35	-7.87	439.47	-7.87	123.23
145	0.00	43.20	-8.89	426.24	-8.89	120.34
150	0.00	46.85	-9.77	415.09	-9.77	117.96
155	0.00	50.23	-10.00	412.20	-10.00	117.35
160	0.00	53.25	-10.00	412.20	-10.00	117.35
165	0.00	55.81	-10.00	412.20	-10.00	117.35
170	0.00	57.78	-10.00	412.20	-10.00	117.35
175	0.00	59.03	-10.00	412.20	-10.00	117.35
180	0.00	59.46	-10.00	412.20	-10.00	117.35
185	0.00	59.03	-10.00	412.20	-10.00	117.35

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values

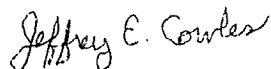
LUCIUS SPAR, GM

Licensee Name	Anadarko Petroleum Corporation		
Latitude (NAD 83)	26° 7' 54.8" N		
Longitude (NAD 83)	92° 2' 25.1" W		
Ground Elevation (AMSL)	0.0 m / 0.0 ft		
Antenna Centerline (AGL)	33.53 m / 110.0 ft		
Antenna Model	Sea Tel 9797		
Antenna Mode	Receive 4.0 GHz	Transmit 6.1 GHz	
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power			-22.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	57.78	-10.00	412.20	-10.00	117.35
195	0.00	55.81	-10.00	412.20	-10.00	117.35
200	0.00	53.25	-10.00	412.20	-10.00	117.35
205	0.00	50.23	-10.00	412.20	-10.00	117.35
210	0.00	46.85	-9.77	415.09	-9.77	117.96
215	0.00	43.35	-8.93	425.76	-8.93	120.24
220	0.00	40.10	-8.08	436.78	-8.08	122.63
225	0.00	37.16	-7.25	447.80	-7.25	125.07
230	0.00	34.62	-6.48	458.27	-6.48	127.43
235	0.00	32.58	-5.83	466.83	-5.83	129.52
240	0.00	31.15	-5.33	473.79	-5.33	131.13
245	0.00	30.39	-5.07	477.62	-5.07	132.01
250	0.00	30.37	-5.06	477.73	-5.06	132.04
255	0.00	31.08	-5.31	474.09	-5.31	131.20
260	0.00	32.49	-5.79	467.29	-5.79	129.63
265	0.00	34.49	-6.44	458.83	-6.44	127.56
270	0.00	37.00	-7.21	448.41	-7.21	125.21
275	0.00	39.92	-8.03	437.41	-8.03	122.77
280	0.00	43.16	-8.88	426.37	-8.88	120.37
285	0.00	46.66	-9.72	415.65	-9.72	118.08
290	0.00	50.35	-10.00	412.20	-10.00	117.35
295	0.00	54.20	-10.00	412.20	-10.00	117.35
300	0.00	58.17	-10.00	412.20	-10.00	117.35
305	0.00	62.24	-10.00	412.20	-10.00	117.35
310	0.00	66.38	-10.00	412.20	-10.00	117.35
315	0.00	70.58	-10.00	412.20	-10.00	117.35
320	0.00	74.83	-10.00	412.20	-10.00	117.35
325	0.00	79.11	-10.00	412.20	-10.00	117.35
330	0.00	83.41	-10.00	412.20	-10.00	117.35
335	0.00	87.72	-10.00	412.20	-10.00	117.35
340	0.00	92.04	-10.00	412.20	-10.00	117.35
345	0.00	96.35	-10.00	412.20	-10.00	117.35
350	0.00	100.65	-10.00	412.20	-10.00	117.35
355	0.00	104.93	-10.00	412.20	-10.00	117.35

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Va. 20147

DATED: December 17, 2013

Non-Compliant Antenna Statement

Re: 2.4 Meter Fixed Earth Station
Fixed Satellite Service
C-Band: 3700 – 4200 MHz and 5925.0 – 6425.0 MHz

Anadarko Petroleum Corporation ("APC" or "Applicant") proposes to use a Sea Tel 9797, 2.4 meter antenna for its proposed earth station located in Lucius Spar, GOM at the coordinates of 26°07'54.821"N, 92°02'25.07" W. The Sea Tel 9797 does not strictly comply with 25.209 of the FCC Rules and Regulations.

Pursuant to the *Part 25 Earth Station Fifth Report and Order*, the International Bureau (Bureau) provides a List of Approved Non-Routine Earth Station Antennas. Specifically the website <http://www.fcc.gov/ib/sd/nresa> lists non-routine earth station antennas licensed for use by one or more U.S. earth station operators since March 15, 2005.

“The Commission has ruled that an Earth station applicant proposing to use an antenna on this list may no longer be required to attach antenna radiation plots as an exhibit to their applications, as required by Section 25.132 (b)(3) of the Commission's rules, 47 C.F.R. § 25.132 (b)(3). Rather, they need only to provide an attachment to their applications citing the particular non-routine earth station antenna they plan to use, and an application file number and call sign of a license in which that type of non-routine antenna has been previously approved.”

Accordingly, APC submits the application file number and call sign, File No. SES-LIC-20070216-00237 (Call Sign: E070030), of a previously licensed SeaTel 9797, 2.4 meter earth station which was licensed by the Commission for operation at 30.6dBW/4KHz maximum eirp density. The antenna that APC intends to license will operate at 18.8dBW/4KHz maximum eirp density which is significantly lower than the cited application. Therefore, the APC antenna will operate without conflict.

The applicant agrees to accept any adjacent satellite interference in the 4 GHz receive band as a result of the performance of the antenna. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209. Should the use of this antenna cause interference to other systems; the applicant agrees to terminate transmission upon notice from the Commission.