

Carl Huie

Amendment

From: Jol, Harry M. [JOLHM@uwec.edu]
Sent: Tuesday, August 02, 2005 1:36 PM
To: Carl Huie
Subject: RE: Form 442 File Number 0189-EX-PL-2005

Thanks

Harry Jol
University of Wisconsin-Eau Claire

From: Carl Huie [mailto:Carl.Huie@fcc.gov]
Sent: Tuesday, August 02, 2005 12:19 PM
To: Jol, Harry M.
Subject: RE: Form 442 File Number 0189-EX-PL-2005

I will forward your proposal to the IRAC.

*** Non-Public: For Internal Use Only ***

-----Original Message-----

From: Jol, Harry M. [mailto:JOLHM@uwec.edu]
Sent: Tuesday, August 02, 2005 11:09 AM
To: Carl Huie
Subject: RE: Form 442 File Number 0189-EX-PL-2005

Carl,

- a) I am currently upgrading to the next generation of GPR equipment for my research work. The FCC approved transmitter for the new equipment has been degraded in output power and does not meet my research needs.
- b) The 2 grandfathered units that you mention are part of my older system.
- c) The experimental transmitter (which I plan to have on loan to evaluate) is compatible with the next generation equipment. It is this unit that I am applying for the experimental license.
- d) The transmitter in the new equipment is the same as the grandfathered units but has lower power consumption and built in status communications.
- e) If there is a different way to handle this requirement, please advise. My understanding was that I need an experimental license.

Have a good day.

Cheers,
Harry Jol
University of Wisconsin-Eau Claire

From: Carl Huie [mailto:Carl.Huie@fcc.gov]

8/2/2005

Sent: Monday, August 01, 2005 12:52 PM
To: Jol, Harry M.
Subject: RE: Form 442 File Number 0189-EX-PL-2005

According to our records, there are two units that were grandfathered. Operation of these units without mo do not require Experimental authorization. Is your application proposing to use either one?

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-----Original Message-----

From: Jol, Harry M. [mailto:JOLHM@uwec.edu]
Sent: Thursday, July 28, 2005 7:26 PM
To: Carl Huie
Subject: RE: Form 442 File Number 0189-EX-PL-2005

Carl,

The equipment is all standard commercial equipment except for the transmitter - which is on loan to university for experimental purposes. Equipment (as per one of the attachments to the application) i Sensors and Software.

Have a good day.

Cheers,
Harry Jol
University of Wisconsin-Eau Claire

De: Carl Huie [mailto:Carl.Huie@fcc.gov]
Enviado el: lun 7/25/2005 8:31
Para: Jol, Harry M.
Asunto: RE: Form 442 File Number 0189-EX-PL-2005

One more question before I forward your proposal to the IRAC: How, when, and from whom was this equipment obtained?

*** Non-Public: For Internal Use Only ***

-----Original Message-----

From: Jol, Harry M. [mailto:JOLHM@uwec.edu]
Sent: Friday, July 22, 2005 3:58 PM
To: Carl Huie
Subject: RE: Form 442 File Number 0189-EX-PL-2005

Carl,

I contacted the Quarry owner - here is a cell phone # 715-308-3564 that will be on site when we are conducting our surveys.

Good talking to you - thanks for your help.

Have a good weekend.

Harry Jol
University of Wisconsin-Eau Claire

-----Original Message-----

From: Carl Huie [mailto:Carl.Huie@fcc.gov]

Sent: Friday, July 22, 2005 1:39 PM

To: Jol, Harry M.

Subject: RE: Form 442 File Number 0189-EX-PL-2005

Also need a point of contact with telephone number at location of testing (cell phone will do).

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-----Original Message-----

From: jolhm@uwec.edu [mailto:jolhm@uwec.edu]

Sent: Thursday, July 21, 2005 12:51 PM

To: Carl Huie

Subject: Form 442 File Number 0189-EX-PL-2005

Carl,

Thanks of your prompt response.

In response to your question - why approved equipment cannot be used? - there are several reasons:

(1) My experience is that this GPR performance has been used for years in the types of research investigation that I am involved with and is essential to achieving my research objectives.

(2) The 2002 FCC rulings on UWB GPR have made this type of GPR no longer available as a commercial product. If one refers to the background on Part 15.509, a major concern was raised about the area of geological research that I am involved in being greatly impacted by the rules imposed.

(3) I have access to research equipment but want to follow an orderly process to be allowed to do my research. Hence the application.

I hope this helps.

Cheers,

Harry Jol

University of Wisconsin-Eau Claire

-----Original Message-----

From: Carl.Huie@fcc.gov [mailto:Carl.Huie@fcc.gov]

Sent: Thursday, July 21, 2005 7:17 AM

To: Jol, Harry M.

Subject: RE: Form 442 File Number 0189-EX-PL-2005

These may take several months to process because they require approval from US Government agencies/organizations. We can begin by asking why approved equipment cannot be used?

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-----Original Message-----

From: jolhm@uwec.edu [mailto:jolhm@uwec.edu]

Sent: Wednesday, July 20, 2005 10:21 AM

To: Carl Huie
Subject: Form 442 File Number 0189-EX-PL-2005

Carl,

Doug Young suggested I contact you with regards to a rough time period for a review of an application (Form 442 File Number 0189-EX-PL-2005) such as this? I am involved in several university research projects and will be in and out of my office throughout the summer.

Thanks,
Harry Jol
University of Wisconsin-Eau Claire

-----Original Message-----

From: Douglas.Young@fcc.gov [mailto:Douglas.Young@fcc.gov]
Sent: Wednesday, July 20, 2005 7:29 AM
To: Jol, Harry M.
Cc: Carl Huie
Subject: RE: Form 442 File Number 0189-EX-PL-2005

Dr. Jol:

Carl Huie is processing your application. You may contact him at Carl.Huie@fcc.gov, (202) 418-2430, to find out the status of your application.

Doug Young
Electronics Engineer
Federal Communications Commission
Experimental Licensing Branch
Phone: (202) 418-2440
Fax: (202) 418-1918
Email: Douglas.Young@fcc.gov