From: Lisa LeBlanc
To: Sophia Granchinho;
cc: "James Drummond"; "Leslie Payette";
Subject: Re: re" NIRB: 09YN017 Application Acknowledgment and Information Request for James Drummond"s Research Project Proposal
Date: March-19-09 2:24:28 PM

Dear Sophia,

Thank you for your prompt response; I'll try to clarify the points that you've requested. See the text below for my responses.

Sophia Granchinho wrote:
> Dear Lisa,
> Thank you for your response to my additional questions. The information
> that we are looking for are related to your specifically to your project
> proposal and the information provided in the application was a bit vague
> For example, question #3 (number of personnel on site): I understand that
> the site will be used by other personnel throughout the year but they might
> not be directly involved with your project. These people will most likely
> apply for separate research applications prior to coming to your site. What
> the NIRB would like to know is how many people will be involved directly
> with your project throughout the year, unless of course your Research
> application will cover all the scientist/research personnel that will be
> coming up to use your site.

The numbers that I provided - 1250 person-days and approximately 50 different people in a typical year - are attributable to the CANDAC/PEARL project. Anyone else arriving in Eureka for any other project is not included, such as the UNCLOS group or the Ambassadors's Tour in 2008. Our folks are people who come up to install or repair instruments, operate instruments in campaign-mode, or switch from instruments that take measurements during sunlight to those that operate only during the night. As mentioned, we always have at least one operator on-site 24/7/365 and will usually have a second operator on-site for campaign periods because of the increased demand on the instruments. Anyone outside the CANDAC/PEARL cohort who comes to Eureka for research is required to apply to NRI for their own research licence; we don't assume that our licence applies to them and therefore they aren't included in the application. We could provide a list of everyone associated with CANDAC/PEARL, but we aren't be able to tell ahead of time who from that list would go to Eureka in any particular year.

>
> In regards to question #1 (objectives of the project), I was looking for a
> bit more details in regards to your project objectives, however, your
> answers below are sufficient.

Would you like a bit more information on the objectives? I'm not entirely sure if you find our response sufficient. When dealing with such a large project, only having 500 words for description can be a bit of a hindrance in trying to get in as much relevant information as possible.

>
> Question #2 (research information at site): Since you are not conducting
> ecological surveys at your site further information is not required.
>>From your response to question #2, I'm understanding that you will be
> conducting your research from three laboratories, collecting data or
> measurements from each of the laboratory (instruments set up in the
> laboratory). Will these instruments be used to collect measurements from
> space, aircrafts (whose?), ballons (whose?) and the ground (at Eureka or the
> outside the laboratory sites?)?

All of the instruments covered by this research application will be taking measurements from the ground within one of the three laboratory sites. We collaborate with Environment Canada, using balloon data taken

within their own research licence, and any satellite or aircraft
overpasses that are, again, part of other research applications.

>
> Question #4 (detailed map): The topo map that was provided only included
> the Ridge Lab, the OPAL lab was identified in a Google earth map which was
> not very clear. The maps provided did not show the SAFIRE research
> location. In addition, we requested the coordinates of your site locations
> (all three sites) in order for our GIS department to identify the location
> of your research and to determine if there are any important sites within
> the area (i.e. archaeological, species at risk, parks, etc).

Okay, I'll have to check this again because I recall very specifically
adding the sites to the topo map. However, NRI did tell me that they had
edited the map to reduce its filesize and they might have accidentally
cut something out. I also sent, in an email dated January 9, 2009, the
full lat/lon for all three sites. However, here is the information again:

The coordinates for the various components of PEARL are:

Ridge Lab: 80 3' 11.75"N; 86 24' 59.41"W
0PAL: 79 59' 24.50"N; 85 56' 19.90"W
SAFIRE: 79 59' 47.50"N; 85 48' 15.80"W

I'll double-check the topo map and send what I have.

best regards,
Lisa

>
> Regards,
>
> Sophia Granchinho, MSc. CEPIT
> Technical Advisor
> Nunavut Impact Review Board
> Phone: 867-983-4607
> email: sgranchinho@nirb.ca
>
>
> -----Original Message-----
> From: Lisa LeBlanc [mailto:leblanc@candac.ca]
> Sent: March-19-09 10:09 AM
> To: sgranchinho@nirb.ca
> Cc: James Drummond
> Subject: re' NIRB: 09YN017 Application Acknowledgment and Information
> Request for James Drummond's Research Project Proposal
>
> Dear Ms. Granchinho,
>
> This is with regards to the request for additional information for the
> CANDAC/PEARL research licence application.
>
> In the application acknowledgment dated March 18, there are four issues
> identified as requiring more information. We thought that we would ask
> for some clarification to ensure that we are, in fact, answering your
> questions completely, since, obviously, the information we gave in our
> application was thought insufficient.
>
> 1) Objectives/purpose of the project associated with this research
> licence application
>
> As stated in our application, the objectives/purpose of the research we
> do at Eureka are: (1) understanding atmospheric change over Canada; (2)
> integrating measurements taken from space, aircraft, balloons and the
> ground; (3) providing quality-controlled research datasets to
> researchers; (4) linking with international networks for data exchange;

> (5) maintaining research-critical resources; (6) training skilled
> personnel; and (7) public education. Can you give an indication of what
> additional explanation is required? I realise that the above is quite
> generic - are you looking for more specifics? If so, in what areas?
>
> 2) Details regarding any research that will be conducted at the site
> (ecological survey?), including methodology protocols
>
> This caused us some confusion but, in looking over the application on
> your FTP site, we note that 'ecological survey' had indeed been checked
> off. This is incorrect; we will not be making an ecological survey. All
> of our other research activities take place within one of the three main
> research sites - the Ridge Lab, 0PAL or SAFIRE. Could you please give an
> indication of what kind of details you want? E.g., Actual instrument
> operation (for all 27 instruments or any in particular?), indication of
> anything that will be released on the land (none) or into the air
> (none), aircraft overflights (none)?
>
> 3) Number of personnel on site that will be associated with this project
>
> As we tried to explain in the document, this is difficult to estimate
> with any degree of accuracy. There is someone involved in the project
> on-site every day, year-round. However, the number of other people and
> how long they stay is quite variable. In an average year, there are
> approximately 1250 person-days of on-site activity made by approximately
> 50 different people.
>
> 4) Detailed map with location of camp site and project activities
>
> I believe we have already sent a labelled topo map. All activities take
> place at one of the indicated three sites - the Ridge Lab, 0PAL and
> SAFIRE. No activities take place at any other site, so I'm unsure of
> what additional information is required here. Can you please be more
> specific? Do you want a list of what measurements are taken at each
> site? A list of what instruments are located at each site?
>
> As soon as I hear from you, I will try to answer your questions as
> completely as possible.
>
> Best regards,
> Lisa

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Lisa LeBlanc, Network Manager
Canadian Network for the Detection of Atmospheric Change (CANDAC)
c/o Dept. of Physics & Atmospheric Science
Dalhousie University
Sir James Dunn Building
6310 Coburg Road, Halifax, NS B3H 1Z9

tel: +1 902-494-5124
fax: +1 902-494-5191
email: leblanc@candac.ca; lisa.m.leblanc@dal.ca