

Exhibit for Federal Communications Commission Form 442 Application for New or Modified Radio Station Under Part 5 of FCC Rules – Experimental Radio Service (Other than Broadcast)

File: 0222-EX-PL-2011

Submitted: May 16, 2011

The research that will use this experimental radio service frequency will be investigating movements of Canada geese (*Branta canadensis*) to help determine areas of risk for exposure to avian influenza viruses in Canada geese. Canada geese have been shown to be effective at detecting areas of transmission for avian influenza viruses on a regional scale and to better understand risk areas of transmission on a local scale we need to better understand the movement patterns of these birds. This research will use three GPS satellite transmitters that utilize the ARGOS satellite system and attached to the Canada geese. The data obtained from this study will help provide information on where avian influenza viruses are circulating to better direct research and increase our understanding of these viruses. In order to upload data from the transmitters to the satellite the data must use the frequency 401.650 MHz. Without access to this frequency we will not be able to obtain the location data from the birds and would not be able to accomplish the goals of the research. There are no current experimental radio services that we are able to use for this project.