

0068-EX-ST-2003

FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION



QUINTON L. HEDGEPEETH, DDS
Miami

EDWIN P. ROBERTS, DC
Pensacola

RODNEY BARRETO
Miami

SANDRA T. KAUPÉ
Palm Beach

H.A. "HERKY" HUFFMAN
Enterprise

DAVID K. MEEHAN
St. Petersburg

JOHN D. ROOD
Jacksonville

KENNETH D. HADDAD, Executive Director
VICTOR J. HELLER, Assistant Executive Director

DIVISION OF LAW ENFORCEMENT
COLONEL JULIE JONES, Director
LT. COLONEL DON HOLWAY, Deputy Director
LT. COLONEL JIM McCALLISTER, Deputy Director
(850)488-6251 TDD (850)488-9542

February 10, 2003

Federal Communications Commission
Experimental Radio Service
Post Office Box 358320
Pittsburgh, PA 15251-5320

Dear Sir:

We are requesting a Special Temporary Authority to operate a radio system in the Experimental Radio Service. This request is submitted under the provisions of Section 5.61, Title 47, Code of Federal Regulations. The following information is provided:

1. APPLICANT: State of Florida
Fish and Wildlife Conservation Commission
620 South Meridian Street
Tallahassee, Florida 32399-1600

Tel: 850-488-7966
Fax: 850-922-4250
E-mail: bill.parrish@fwc.state.fl.us
2. STA REQUIREMENT: The radio system in question will support a research program conducted by the Florida Marine Research Institute, South Florida Regional Laboratory of the Fish and Wildlife Conservation Commission. The research is designed to track spiny lobsters in their natural environment. Their behavior during an open season period will be compared to behavior during the closed season, which begins March 31, 2003. The system needs to be deployed no later than February 17, 2003, in order to acquire sufficient meaningful data prior to closed lobster season.
3. DESCRIPTION AND PURPOSE: The purpose of the research project is to learn more about the behavior of spiny lobsters and their feeding locations. The radio system supporting the project will consist of approximately twelve underwater acoustical transmitters and three buoys equipped with a two-way radio link to a base station on shore. The underwater transmitters or "tags" will be attached to the lobsters. Periodically, the tags will emit a sonic pulse which will be picked up by the three buoys placed in a triangular configuration. Each buoy is equipped with a low power two-way radio, which will transmit and receive data to/from the low power base station that will be on shore. The base station will be attached to a personal computer, which will interpret the data received from the buoys and determine the position of the tags or lobsters. Positioning information cannot be determined without the radio link.

4. TIME AND DATE: We would like to begin the operation of the radio link on/about February 17, 2003, and continue the operation for the next two years or maybe longer.
5. CLASS OF STATIONS: There will be one fixed base station and three mobile stations, the buoys. We think the underwater acoustical transmitters are not required to be included in this authorization.
6. LOCATION: The operation will be conducted throughout the Florida Keys (Monroe County). Initially, the base station will be at Marathon. The coordinates are: Latitude 24-42-25 Longitude 81-05-54.
7. EQUIPMENT: The equipment to be used is manufactured by VEMCO Limited, Osprey Drive, Shad Bay, Nova Scotia Canada B3T 2C1. The radio link is made by Motorola. Information on the data plate is:

Motorola RNET 9600S
Model: K44GNM 1001A
FCC ID: ABZ99FT 4020

There are four radios, all of the same type. There will be one radio on each of the three buoys and one radio at the base station.

8. FREQUENCY: 458.53750 MHz
9. MAXIMUM EFFECTIVE RADIATED POWER: 8 Watts
10. EMISSION DESIGNATOR: F2D
11. OVERALL HEIGHT OF ANTENNA STRUCTURE: Will not exceed 6 meters above an existing structure.

Thank you for your assistance in this matter. Should you have any questions or need further information, please do not hesitate to call me at (850)488-7966.

Sincerely,



William J. Parrish

Telecommunications Systems Consultant