

ORIGINAL

*P-12962*

FILED  
FEDERAL ENERGY REGULATORY COMMISSION

August 10, 2007

2007 AUG 15 P 3:05

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

RECEIVED

Re: Preliminary Permit Application for the Newburgh Lock and Dam Hydroelectric Project.

Dear Ms. Bose,

Please find enclosed an original and eight copies of the Preliminary Permit Application for the Newburgh Lock and Dam Hydroelectric Project.

If you have any questions feel free to contact me at (208) 745-0834.

Sincerely,

Symbiotics, LLC

*Brent L. Smith*

Brent L. Smith  
COO



**PRELIMINARY PERMIT APPLICATION**

**FOR THE**

**NEWBURGH LOCK AND DAM  
HYDROELECTRIC PROJECT**

***PREPARED FOR:***  
**Newburgh Hydro, LLC**  
**Logan, UT**

**August 2007**

**Preliminary Permit Application  
for the  
Newburgh Lock and Dam Hydroelectric Project**

**GENERAL:**

The applicant for the proposed Newburgh Lock and Dam Hydroelectric Project is Newburgh Hydro, LLC, consisting of members that are familiar with all aspects of hydroelectric development from the initial licensing process through design, construction and ongoing operations. The members of Newburgh Hydro, LLC have been and are currently involved in various phases of numerous projects in the past twenty years including projects in Idaho, Utah, Montana, Wyoming, Oregon and Hawaii.

The applicant, Newburgh Hydro, LLC, is not claiming municipal preference under section 7(a) of the Federal Power Act.

The location of the proposed project is:

State:	Kentucky
County:	Henderson
Nearby Town:	Newburgh, Indiana
Body of Water:	Ohio River

The official name, address and phone number of the applicant is:

Newburgh Hydro, LLC  
975 South State Highway  
Logan, UT 84321  
Phone: (435) 752-2580

The project liaison for all correspondence is:

Mr. Brent L. Smith, COO  
Symbiotics, LLC.  
P.O. Box 535  
Rigby, Idaho 83442  
Phone: (208) 745-0834  
Fax: (208) 745-0835  
E-mail: [bsmith@nwpwrservices.com](mailto:bsmith@nwpwrservices.com)

Secondary contact:

Dr. Vincent Lamarra, CEO  
Symbiotics, LLC.  
975 South State Highway  
Logan, Utah 84321  
Phone: (435) 752-2580  
Fax: (435) 752-2581  
E-mail: [vincel@ecosysres.com](mailto:vincel@ecosysres.com)

The applicant is requesting a preliminary permit for a period of three years from the date of issuance to conduct preliminary environmental reviews, environmental impact statement, feasibility study and preliminary design.

### **EXHIBIT 1:**

The proposed Newburgh Lock and Dam hydroelectric generating facility would be located on an existing dam owned by Army Corps of Engineers - Louisville District, on the Ohio River in Henderson County, Kentucky. The contact individual for Henderson County is Renny Tapp Matthews, County Clerk, at P.O. Box 374, Henderson, Kentucky 42419. Part of the project would be on lands administered by Army Corps of Engineers - Louisville District.

The proposed project would consist of an existing concrete dam 57 feet in height, with a crest length of 2,660 feet and a hydraulic head of 48 feet. Ohio River has a surface area of 16,390 acres, with a storage capacity of 455,800 acre-feet at a normal maximum water surface elevation of 358 feet.

The project would consist of modifications to the existing facility by adding a powerhouse containing two 85MW turbines capable of generating an estimated project capacity of 170 megawatts; a switchyard; and approximately 3 miles of proposed 25kV transmission line. It is anticipated at this time that the proposed project would interconnect into the utility distribution systems owned by the local utility.

The project would operate in a run-of-the-river mode, using flows of the Ohio River, and would generate an estimated 715GWh annually. The project would be accessed by existing roads.

*Lands within the project area include lands owned and/or operated by Army Corps of Engineers - Louisville District.*

Upon approval, the proposed Newburgh Lock and Dam Hydroelectric Project will provide enhanced value to the region's water resources, as well as urgently needed relief to the current national energy crisis.

### **EXHIBIT 2:**

The applicant anticipates the need for the following studies:

- Flow studies
- Energy production studies
- Environmental impact studies
- Water quality studies
- Project land surveys
- Engineering studies, including soil studies, test pits and core holes.
- Study on energy needs
- Water rights studies

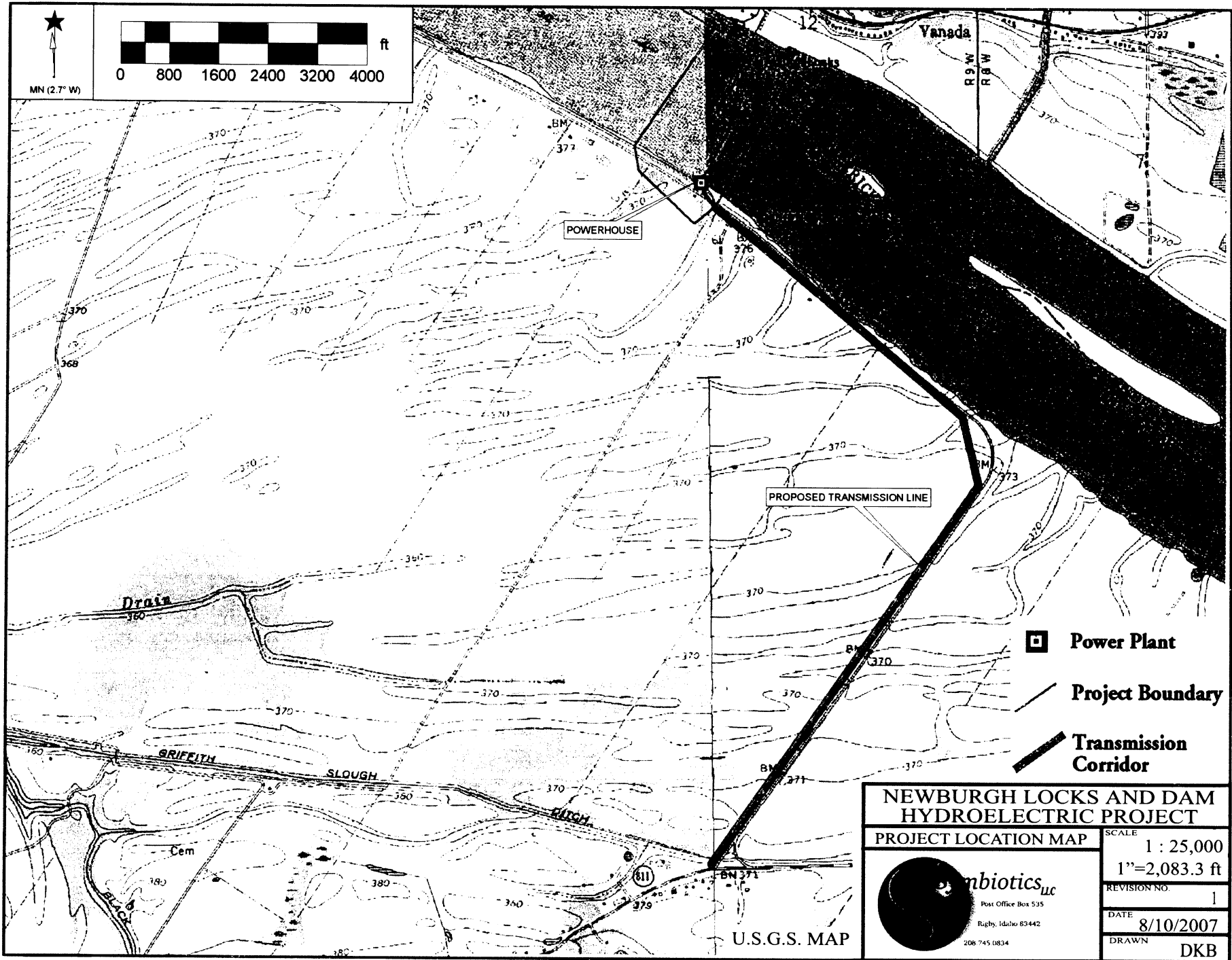
Additional studies may be required as issues arise.

### **EXHIBIT 3:**

The cost to complete the proposed studies during the requested three year period is estimated at \$500,000 to \$1,000,000. It is expected that these costs will be funded by private investors and members of the applicant.

### **EXHIBIT 4:**

Please find attached maps of the project area, boundary and features.



**NEWBURGH LOCKS AND DAM  
HYDROELECTRIC PROJECT**

**PROJECT LOCATION MAP**

SCALE 1 : 25,000  
1" = 2,083.3 ft

REVISION NO. 1

DATE 8/10/2007

DRAWN DKB

**anbiotics<sub>uc</sub>**  
Post Office Box 535  
Rugby, Idaho 83442  
208 745 0834

U.S.G.S. MAP