

IEPA Log No.: **C-0294-13**  
CoE appl. #: **LRC-2013-00315**

Public Notice Beginning Date: **October 22, 2013**  
Public Notice Ending Date: **November 21, 2013**

Section 401 of the Federal Water Pollution Control Act  
Amendments of 1972

**Section 401 Water Quality Certification to Discharge into Waters of the State**

**Public Notice/Fact Sheet Issued By:**

Illinois Environmental Protection Agency  
Bureau of Water  
Permit Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
217/782-3362

**Name and Address of Discharger:** Ed Meyers – 35308 N. Sheridan Drive, Ingleside, IL 60041

**Discharge Location:** Near Ingleside in SW 1/2 Quarter of Section 15 of Township 45N, Range 9E of the 3rd P.M. in Lake County.

**Name of Receiving Water:** Redhead Lake

**Project Description:** Proposed installation of 250 foot of steel seawall and 2 piers on Redlead lake

The Illinois Environmental Protection Agency (IEPA) has received an application for a Section 401 water quality certification to discharge into the waters of the state associated with a Section 404 permit application received by the U.S. Army Corps of Engineers. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice. The last day comments will be received will be on the Public Notice period ending date unless a commenter demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the project to the IEPA at the above address. Commenters shall provide their names and addresses along with comments on the certification application. Commenters may include a request for public hearing. The certification and notice number(s) must appear on each comment page.

The attached Fact Sheet provides a description of the project and the antidegradation assessment.

The application, Public Notice/Fact Sheet, comments received, and other documents are available for inspection and may be copied at the IEPA at the address shown above between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the certification application, the IEPA may, at its discretion, hold a public hearing. Public notice will be given 30 days before any public hearing. If a Section 401 water quality certification is issued, response to relevant comments will be provided at the time of the certification. For further information, please call Darren Gove at 217/782-3362.

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The homeowner at 35308 N. Sheridan Drive (Applicant) is applying for a 401 water quality certification for impacts associated with a proposed seawall and piers for shoreline restoration on Redhead Lake property in Ingleside, Illinois. The applicant proposes to install 250 feet of steel seawall, and two steel frame piers that are 24 foot long and 4 foot wide on shoreline behind the property stated above.

Antidegradation assessment materials were received from the applicant under an April 15, 2013 cover, Joint Application, 35308 N Sheridan Drive, ACOE Permit # LRC-2013-315, IEPA Log # C-0294-13, received April 26, 2013 from Supreme Seawall & Dock Design, McHenry, Illinois.

#### **Identification and Characterization of the Affected Water Body.**

The waters are located entirely within the Chain of Lakes basin and this property is located on the eastern shoreline of Redhead Lake. Redhead Lake has a Waterbody Segment designation of IL\_RTV and is listed in the 2012 Illinois Integrated Water Quality Report and Section 303(d) List as fully supporting Aquatic Life. However, it is also listed as impaired for Aesthetic Quality; Aquatic Plants (non-pollutant), Phosphorus (Total) and Total Suspended Solids (TSS) are given as the causes of this impairment. Fish Consumption, Primary Contact Recreation and Secondary Contact were not assessed. The lake covers approximately 50 acres.

#### **Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.**

The pollutant load increases that would occur from this project include possible increases in suspended solids locally along the shoreline. The work will be conducted on the landward side. Approximately 250 linear feet of steel sheeting will be installed along the existing shoreline, 7-8 tiebacks will be used to secure the seawall to the bank and 21-24 5/8 cold rolled rebar will be used for further support. The soil will be rolled back toward the home and approximately 18.52 cubic yards of pea gravel will be used behind the seawall for drainage. The soil will be “flipped” back over the pea gravel.

#### **Fate and Effect of Parameters Proposed for Increased Loading.**

The increase in suspended solids will be local and temporary. The work will be conducted on the landward side. No land will be recaptured because the project will be completed along the existing shoreline contours.

#### **Purpose and Social & Economic Benefits of the Proposed Activity.**

The seawall will reduce the erosion of the existing shoreline at this location. The property owner has already lost 15 feet of shoreline due to erosion. This project should reduce some suspended solids from entering the lake by wave action and erosion.

**Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation.**

A no action alternative will allow erosion to continue and further degraded water quality in the lake. The property will suffer further shoreline loss. Any other alternative would fill in lake bottom, potentially reducing watershed and disrupting aquatic communities.

**Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities**

An Eco-CAT was submitted on August 20 2013 for an endangered species consultation with Illinois Department of Natural Resources. In a letter dated August 23, 2013, IDNR replied that project #1402639 was not likely to adversely impact protected resources and that consultation was terminated.

**Agency Conclusion.**

This preliminary assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard) and was based on the information available to the Agency at the time this antidegradation review summary was written. We tentatively find that the proposed activity will result in the attainment of water quality standards; that all existing uses of the receiving waters will be maintained; that all technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity; and that this project will protect the shoreline from further erosion. Comments received during the 401 Water Quality Certification public notice period will be evaluated before a final decision is made by the Agency.