



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

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CI
North Central Missouri Regional Water Commission
Review No. 2050413-13
PWS ID #MO2021537

October 25, 2013

Mr. Bobby Williams, President
201 North Market Street
Milan, MO 63556

Dear Mr. Williams:

An Engineering Report for water system improvements for North Central Missouri Regional Water Commission, Milan, Missouri has been reviewed. The report was examined as to sanitary features which may affect the operation of the system, including size, capacities, of units, and factors which may affect efficiency and ease of operation. Approval of the engineering report as regards to these points is hereby given. This approval is valid for two years.

It is suggested that you proceed to make arrangements for financing the proposed projects and instruct your engineer to prepare the necessary detailed plans and specifications for the proposed improvements. Hydraulic analysis demonstrating adequate flow and pressure must be submitted with the detailed plans and specifications.

Regulations require written approval of detailed plans and specifications before awarding the contract or initiating construction. Upon receipt of the detailed plans and specifications, we will proceed with our review and advise you by written report of our approval. An updated engineering report must be submitted with the detailed plans and specifications if there is a change in the scope of the project or if the original report is more than 2 years old. Should you have any questions please contact Kimberly Potter at 573/751-5924.

Sincerely,

WATER PROTECTION PROGRAM

A handwritten signature in black ink, reading "Maher Jaafari", is written over the typed name.

Maher Jaafari, Ph. D., P. E., Chief
Infrastructure Permits and Engineering Section
Public Drinking Water Branch

MJ:rsd

c: Mr. Chad W. Sayre, Allstate Consultants LLC
Northeast Regional Office

MISSOURI DEPARTMENT OF NATURAL RESOURCES

ENGINEERING EVALUATION FOR APPROVAL OF ENGINEERING REPORT FOR

North Central Missouri Regional Water Commission

October 25, 2013

Review Number 2050413-13

INTRODUCTION

A facility plan engineering report for system improvements serving north central Missouri was submitted for review and approval by Allstate Consultants, Columbia, Missouri. The report is partially funded under the 2011 engineering report services program.

BRIEF DESCRIPTION

A facility plan engineering report for water system improvements for North Central Missouri Regional Water Commission has been reviewed. The report was examined as to sanitary features which may affect the operation of the project, including size, capacities of units and factors which may affect efficiency and ease of operations. It was also examined for conformance with requirements set forth under the engineering services program.

The engineering report has many major elements including:

- Documentation of past analysis on the feasibility and need for an additional drinking water source for north central Missouri
- Analysis of population trends and anticipated service demands for covering a 50-year period
- Analysis of alternatives for providing a reliable source of drinking water for north central Missouri
- Detailed cost analysis for stated alternatives including operation and maintenance
- Cost and benefits analysis for the construction of a new lake
- Transportation and utility relocation and replacement plan
- Overview and preliminary plan for funding sources and financial assistance
- Environmental impact review and analysis

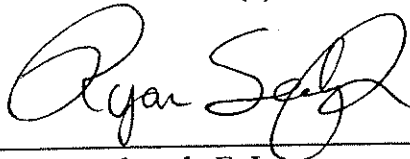
The report evaluates source water options and offers the following recommendations:

1. Proceed toward the construction of a surface water source capable of 7 MGD average daily design flow demand.

2. Utilize phased distribution plan that accounts for the current water treatment capacity and the most likely early connections.
3. Continue to procure funding sources based on documentation provided in the report that shows the proposed service community fits the definition of a disadvantaged community by stated MDNR-SRF criteria.

STAFF RECOMMENDATION

On the basis of the review conducted in accordance with Missouri Drinking Water Regulation 10 CSR 60-10.010(1), I recommend this Engineering Report be granted approval.



Ryan Seabaugh, E. I.
Infrastructure Permits and Engineering Section
Public Drinking Water Branch