

**M E M O R A N D U M**

**TO:** NEFCO General Policy Board

**FROM:** Joseph Hadley Jr., Executive Director

**DATE:** August 13, 2008

**SUBJECT:** Consideration of an Amendment to the Clean Water Plan for the Marshallville Facilities Planning Area to provide for a new wastewater treatment plant in the Village of Marshallville in Wayne County; Resolution No. FY2009-001

**What's being requested:**

Wayne County has requested NEFCO's consideration of an amendment to the Marshallville Facilities Planning Area (Figure 1).

**Background (adapted from information provided by the Village of Marshallville):**

The Village of Marshallville, located in northeastern Wayne County, Ohio proposes to construct a new wastewater treatment plant. The proposed project consists of the construction of a new 130,000 gallon per day extended aeration plant to replace the existing lagoon system that currently serves the village and adjacent areas. The new facility will be constructed at the existing wastewater treatment plant site located on the northeastern side of the village. The existing facility is not producing the effluent quality as specified in the Village's NPDES permit and as described in the Ohio EPA's draft findings and orders due to inflow and infiltration as well as challenges with plant process.

A typical extended aeration plant will consist of the following components:

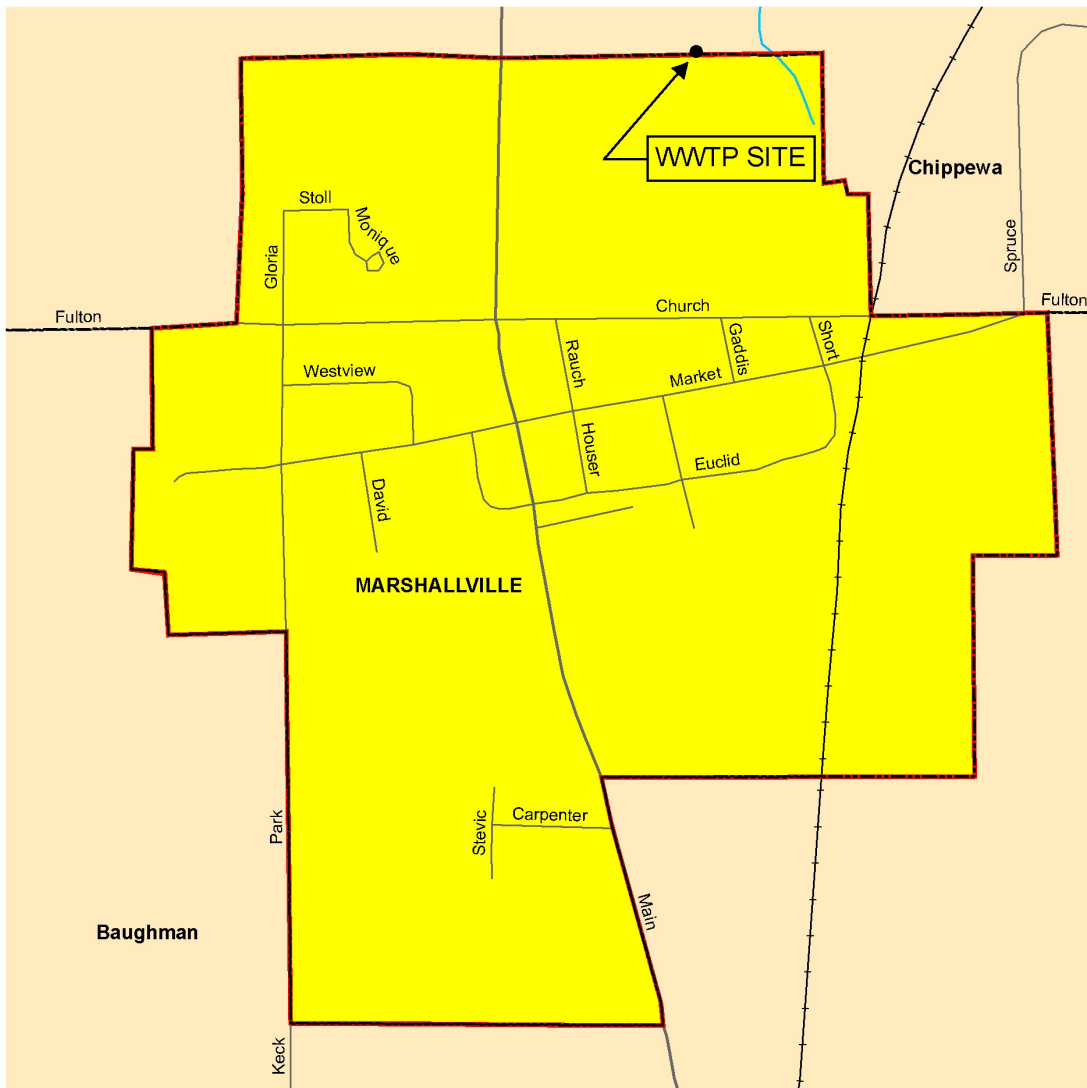
- Comminutor/bar screen and equalization basin
- Flow splitter – to separate aeration chamber and equalization flows
- Aeration chambers (2)
- Aerobic digesters (2)
- Final clarifiers (2)
- Rapid sand filters (3)
- Ultraviolet disinfection

The Village did not offer any changes to the existing prescriptions as they are written (see below).

# Figure 1

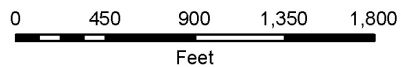
## Marshallville Facilities Planning Area

### Proposed Clean Water Plan Amendment



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|--|--|
| <span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Areas currently served with sanitary sewers   | <span style="display: inline-block; width: 15px; height: 1px; background-color: red; border: none;"></span> FPA Boundary   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black;"></span> Areas expected to be served with sanitary sewers within the next 20 years                         | <span style="display: inline-block; width: 15px; border-bottom: 1px solid lightblue;"></span> Stream   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightorange; border: 1px solid black;"></span> Areas that will be served by home sewage and semi-public sewage disposal systems             | <span style="display: inline-block; width: 15px; border-bottom: 1px dashed black;"></span> Community Boundary  |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span> Areas that will be served by a POTW or by home sewage and semi-public sewage disposal systems | <span style="display: inline-block; width: 15px; border-bottom: 1px solid black;"></span> Road   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: white; border: 1px solid black;"></span> Areas without a wastewater treatment planning prescription   | <span style="display: inline-block; width: 15px; border-bottom: 1px solid black; position: relative; top: -2px;"><span style="position: absolute; left: -5px; top: 50%; transform: translateY(-50%);">+</span></span> Railroad |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; border: 1px solid black;"></span> Lakes and Ponds  | <span style="display: inline-block; width: 10px; height: 10px; background-color: black; border-radius: 50%;"></span> Publicly Owned Waste Water Treatment Plant  |

\* Please see Clean Water Plan text for a complete explanation of the mapping categories.



### **Facilities Planning Area (FPA) boundary:**

No change is requested as part of this amendment. Wayne County is on record, however, as having requested that NEFCO remove all FPA lines within Wayne County.

### **Wastewater prescription change:**

No update of the map is necessary as the facility planning area definitions will not change in boundary or prescription. The request for more treatment capacity comes from the inflow and infiltration challenge the Village is experiencing. Once the inflow and infiltration sources are found the Village will have additional capacity to expand the system. Only at that time will the Village return to NEFCO to request a prescription and boundary change and this would be part of a future amendment.

The pertinent portions of Wayne County's wastewater prescriptions are shown below:

**A. Areas currently served with sanitary sewers (yellow)** – These areas are identified in the Comprehensive Plan as Growth Areas and Future Expansion Areas. A common policy of both areas is that public water and sanitary sewer service shall be required and on-lot wastewater systems should be prohibited. These areas are currently served with sanitary sewers.

#### **1. New Development:**

- a. New development in this area will be required to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer's expense.

#### **2. Existing (developed) Properties (not required to tie into the sanitary sewer when the system was initially constructed):**

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

### **Local governments affected:**

Baughman Township Trustees, Chippewa Township Trustees.

Wayne County uses its Intergovernmental Review process for reviewing 201/208 amendments, so in addition to the Village of Marshallville, and Baughman and Chippewa Townships; other county departments, or agencies, who were contacted for

comment included the Wayne County Health Department, Wayne County Environmental Services, Wayne County Building Code, Wayne Soil & Water Conservation District, Wayne County Planning Dept., Wayne Economic Development Council, Wayne County Farm Bureau, USDA Rural Development, Wayne County Health Commissioner, Community Action Wayne/Medina. The comments from this process are attached.

**Staff recommendation:**

The NEFCO staff recommends approval of the amendment.

**Environmental Resources Technical Advisory Committee (ERTAC) Action:**

General Policy Board approval was recommended.

**NEFCO General Policy Board Action:**

Approved the amendment.

**General Policy Board Item No. 4  
Resolution No. FY2009-001**

**RESOLUTION OF THE GENERAL POLICY BOARD OF THE NORTHEAST OHIO  
FOUR COUNTY REGIONAL PLANNING AND DEVELOPMENT ORGANIZATION  
(NEFCO) APPROVING AN AMENDMENT TO THE CLEAN WATER PLAN FOR THE  
MARSHALLVILLE FACILITIES PLANNING AREA TO PROVIDE FOR A NEW  
WASTEWATER TREATMENT PLANT IN THE VILLAGE OF MARSHALLVILLE  
(WAYNE COUNTY)**

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**WHEREAS**, NEFCO is the designated water quality management planning agency for Portage, Stark, Summit and Wayne Counties; and

**WHEREAS**, as part of that designation it is NEFCO's responsibility to coordinate the use and update of its Clean Water Plan, also known as the 208 Plan; and

**WHEREAS**, NEFCO has been requested by Wayne County to consider an amendment to the Marshallville Facilities Planning Area (FPA) portion of the Clean Water Plan to provide for a new wastewater plant in the Village of Marshallville in Wayne County; and

**WHEREAS**, the amendment would not change the FPA map categories and corresponding wastewater prescriptions; and

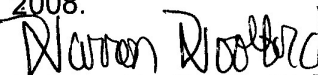
**WHEREAS**, Wayne County through its Intergovernmental Review Process, sent this request for comment to the following local governments, county departments or agencies: Baughman and Chippewa Townships, the Health Department; Soil and Water Conservation District; Environmental Services; Planning; Economic Development Council; USDA Rural Development; and the Farm Bureau; and

**WHEREAS**, the Ohio Environmental Protection Agency (Ohio EPA) has requested NEFCO's approval of this amendment as a step in its permitting process; and

**WHEREAS**, the NEFCO Environmental Resources Technical Advisory Committee (ERTAC) performed a technical review of this request and recommended approval;

**NOW, THEREFORE, BE IT RESOLVED** that the NEFCO General Policy Board approves this amendment to the Marshallville Facilities Plan in Wayne County. Furthermore, the Board directs staff to incorporate this amendment into NEFCO's Clean Water Plan and to transmit pertinent materials related to it to the Village of Marshallville, Baughman and Chippewa Townships, the Health Department; Soil and Water Conservation District; Environmental Services; Planning; Economic Development Council; the Farm Bureau, and the Ohio EPA.

Certified as action taken by the  
NEFCO General Policy Board at its  
regular meeting held on August 20,  
2008.



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Warren Woolford, Secretary  
NEFCO General Policy Board