

NPDES Permit No. IL0079944  
Notice No. SMT:12102801.smt

Public Notice Beginning Date: **November 9, 2012**

Public Notice Ending Date: **December 10, 2012**

National Pollutant Discharge Elimination System (NPDES)  
Permit Program

Draft New NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency  
Bureau of Water,  
Division of Water Pollution Control  
Permit Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
217/782-0610

Name and Address of Discharger:

City of Roodhouse  
137 West Palm Street  
Roodhouse, Illinois 62082

Name and Address of Facility:

Roodhouse WTP  
869 Alsey-Glasgow Road  
Winchester, Illinois 62694  
(Scott County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor 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 draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA 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 draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the operation of a municipal water treatment plant (SIC 4941). Wastewater is generated from backwashing two horizontal pressure filters. Plant operation results in an average discharge of 0.0032 MGD of iron filter backwash from outfall 001.

Application is made for a new discharge which is located in Scott County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

| Outfall | Receiving Stream                        | Latitude    |       | Longitude   |      | Stream Classification | Biological Stream Characterization |
|---------|---|-------------|-------|-------------|------|-----------------------|------------------------------------|
| 001     | Unnamed Tributary of Little Sandy Creek | 39° 32' 58" | North | 90° 29' 27" | West | General Use           | Not Rated                          |

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment receiving the discharge from outfall 001 tributary to segment DCA is not on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List as it has not been assessed. The receiving water has not been given an integrity rating or been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

The discharge(s) from the facility shall be monitored and limited at all times as follows:

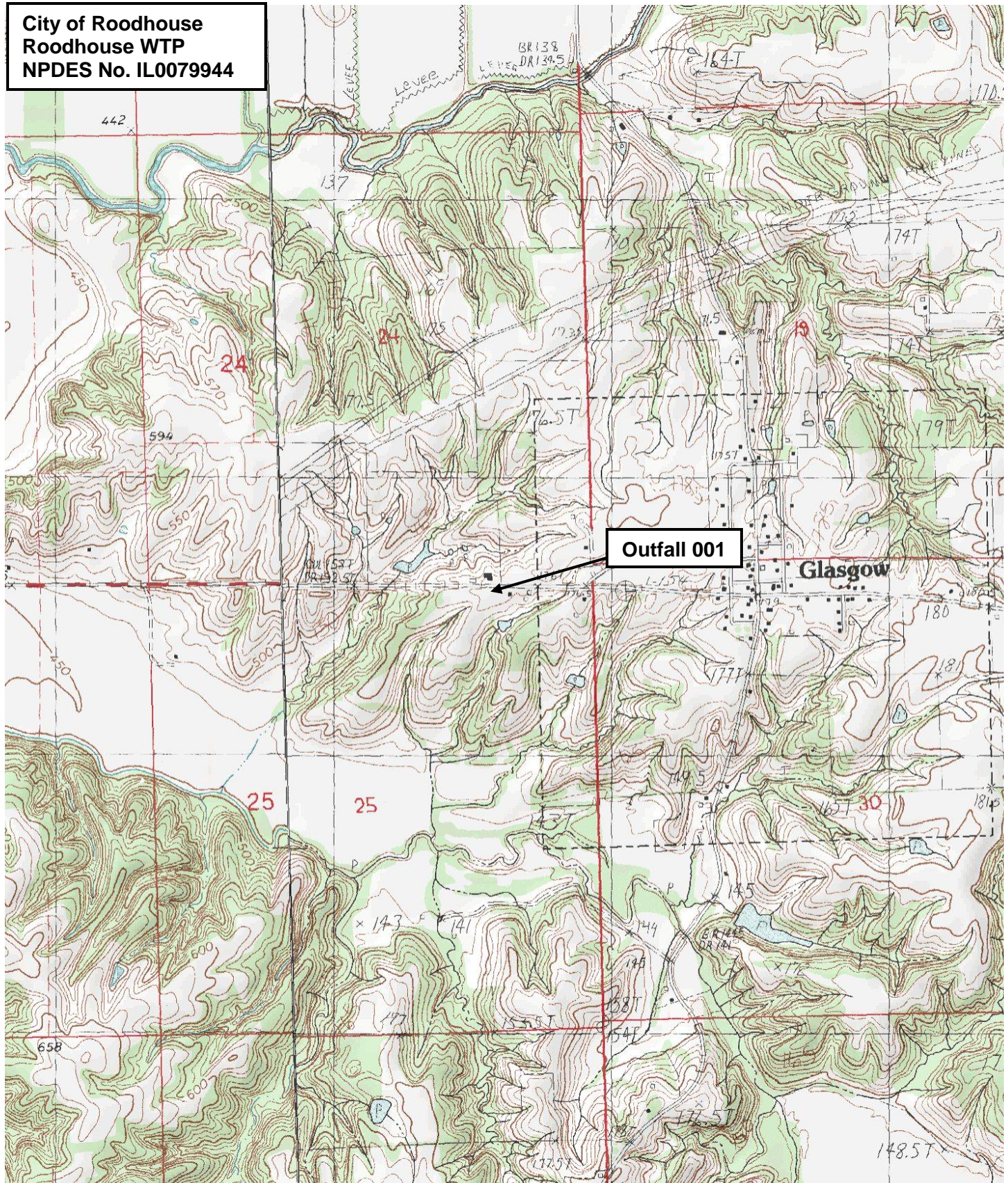
Outfall: 001 Iron Filter Backwash (DAF = 0.032 MGD)

| PARAMETER               | LOAD LIMITS lbs/day |               | REGULATION | CONCENTRATION LIMITS mg/l |               | REGULATION     |
|-------------------------|---------------------|---------------|------------|---------------------------|---------------|----------------|
|                         | 30 DAY AVERAGE      | DAILY MAXIMUM |            | 30 DAY AVERAGE            | DAILY MAXIMUM |                |
| Flow (MGD)              |                     |               |            |                           |               |                |
| pH                      |                     |               |            |                           |               | 35 IAC 302.204 |
| Total Suspended Solids  |                     |               |            | 15                        | 30            | 35 IAC 304.124 |
| Iron                    |                     |               |            | 2                         | 4             | 35 IAC 304.124 |
| Total Residual Chlorine |                     |               |            |                           | 0.05          | 40 CFR 125.3   |

The special conditions clarify: flow, pH, total residual chlorine, monitoring location, DMR's, and re-opener.



**City of Roodhouse  
Roodhouse WTP  
NPDES No. IL0079944**





NPDES Permit No. IL0079944

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

City of Roodhouse  
137 West Palm Street  
Roodhouse, Illinois 62082

Facility Name and Address:

Roodhouse WTP  
869 Alsey-Glasgow Road  
Winchester, Illinois 62694  
(Scott County)

Discharge Number and Name:

001 Iron Filter Backwash

Receiving Waters:

Unnamed Tributary of Little Sandy Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

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Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall: 001 Iron Filter Backwash (DAF = 0.032 MGD)

| PARAMETER               | LOAD LIMITS lbs/day<br>DAF (DMF) |                  | CONCENTRATION<br>LIMITS mg/l |                  | SAMPLE<br>FREQUENCY | SAMPLE<br>TYPE |
|-------------------------|----------------------------------|------------------|------------------------------|------------------|---------------------|----------------|
|                         | 30 DAY<br>AVERAGE                | DAILY<br>MAXIMUM | 30 DAY<br>AVERAGE            | DAILY<br>MAXIMUM |                     |                |
| Flow (MGD)              | See Special Condition 1          |                  |                              |                  | 1/Month             |                |
| pH                      | See Special Condition 2          |                  |                              |                  | 1/Month             | Grab           |
| Total Suspended Solids  |                                  |                  | 15                           | 30               | 1/Month             | Grab           |
| Iron                    |                                  |                  | 2                            | 4                | 1/Month             | Grab           |
| Total Residual Chlorine | See Special Condition 3          |                  |                              | 0.05             | 1/Month             | Grab           |

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. All samples for total residual chlorine (TRC) shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the receiving stream.

SPECIAL CONDITION 5. The Permittee shall record the monitoring results on the Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15<sup>th</sup> day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 6. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

