

## INSTRUCTIONS FOR SCHEDULE I - SEPTIC TANK - SEEPAGE FIELD SYSTEMS

This schedule is to be submitted for septic tank-seepage field systems that will not have a surface discharge. If a surface discharge is proposed, submit Schedule D or J instead of this schedule.

- 1.1 The name of the project must be the same as that indicated on WPC-PS-1.
  - 1.2.1 Indicate the location of the septic tank-seepage field to the nearest quarter section including section, township, range and principal meridian.
  - 1.2.2 Indicate the location of the septic tank-seepage field in degrees, minutes, and seconds by interpolation from a quadrangle map.
  - 1.2.3 Name of the U.S. Geological Survey Quadrangle Map used in making the above determinations.
- 2.1 It is considered desirable and in accordance with the "Private Sewage Disposal Contractor License Act" to eliminate the septic tank-seepage field as soon as possible and discharge the effluent from the building sewers to a sewer collection system tributary to a municipal type treatment works system covered by an Illinois Environmental Protection Agency permit.
3. Show the indicated information on a quadrangle map or other topographical map.
  - 3.1 If the requested information is off the map, show directional arrow with the appropriate distance marked on the arrow.
    - 3.1.1 Indicate the number of miles and show on the arrow.
    - 3.1.2 This term refers to nearby property which has no public water supply system and must use a lake, stream or well for a water supply.
    - 3.1.3 Show public or private potable water supplies, i.e. wells, lakes, streams, etc., used as a water supply.
    - 3.1.4 Show lakes, streams or roadside ditches.
  - 3.2 It is possible for sewage to percolate from the seepage field into a field drain tile. If field drain tiles are in the vicinity additional controls will be required.
  - 3.3 Accurate percolation rates are considered the primary design factor in septic tank-seepage field design. The procedures utilized for performing the percolation tests and the results must be provided to this Agency. The seepage field must be designed on the worst conditions experienced in the percolation tests.
  - 3.4 Show immediately adjacent property lines and dwellings.
  - 3.5 Show areas subject to flooding. Do not put a seepage field in areas subject to flooding.
- 4.1 The seepage field must be above the maximum ground water table.
- 5.6 Indicate the tank number and volume.
6. It is anticipated in some cases that limited quantities of industrial waste may be discharged through a septic tank-seepage field system. If this is the case, Schedule N must be completed and submitted for the wastewater characteristics. Instructions are provided on Schedule N.
  - 7.1 Show a plan and profile view.
  - 7.3 Need to submit Schedule F if a lift station or dosing pump is contemplated in the design.
8. The "Manual of Septic Tank Practice: which was developed in cooperation with joint committee on rural sanitation is published by the U.S. Department of Health, Education and Welfare and is available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. The publication number is 526 or DHEW Publication No. (HSM) 72-10020. This document covers such items as performing percolation fields and other methods of disposing of partially treated wastes. Further, it has appendices introducing potential applicants to soil absorption capacity with soil maps, clues to absorption, texture, structure, color and depth of thickness of the permeable strata. Evapotranspiration is also discussed along with suggested ordinances, engineering information forms, drainage fixture unit values now used and suggested specifications for watertight concrete. The document is not considered to be the Agency design criteria although considerable confidence is placed in the publication and it is used extensively by staff.

- 8.1 These documents must include a plan and profile view of the septic tank showing all dimensions, inlet, outlet, tank proportions, storage above liquid levels, and specifications.
- 8.2 These documents must include a plan and profile view of the distribution system showing dimensions, for total length, diameter and slope of the tile in each bed, trench width, depth, and separation, the filtering and fill material and other pertinent design data.

If a dosing tank is proposed, submit a detailed plan and profile drawing showing the dimensions, invert elevations, etc.

## 9. Sludge Disposal

The "Private Sewage Disposal Contractor License Act" requires sludge disposal from septic tank-seepage fields to conform with the "Private Sewage Disposal Code".

With the limitations of above, for small septic tanks systems that receive solely domestic sewage, we offer an alternative to the requirements specified in Schedule G. If a septic tank system is properly designed, it should not require cleaning more than once a year. Therefore, persons who have a properly designed septic tank receiving solely domestic sewage where the required tank volume is 5,000 gallons or less may complete Item 11, 12, and 13 of Schedule I in lieu of Schedule G. If the required septic tank design volume is greater than 5,000 gallons, submit Schedule G.

10. It must be shown that all the sludge will arrive at the disposal site. Sludge transportation from all septic tank-seepage field systems must be done by a Licensed Private Disposal Contractor in accordance with the "Private Sewage Disposal Contractor License Act".

SCHEDI.INS

FOR IEPA USE:  
LOG #  
DATE RECEIVED:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
PERMIT SECTION

Springfield, Illinois 62706

**SCHEDULE I SEPTIC TANK - SEEPAGE FIELD SYSTEM**

1. NAME AND LOCATION:

1.1 Name of project \_\_\_\_\_

1.2 Plant Location \_\_\_\_\_

1.2.1 \_\_\_\_\_

Quarter Section

Section

Township

Range

P.M.

1.2.2 Latitude \_\_\_\_\_deg. \_\_\_\_\_min. \_\_\_\_\_sec. "NORTH

1.2.3 Longitude \_\_\_\_\_deg. \_\_\_\_\_min. \_\_\_\_\_sec. "WEST

1.2.4 Name of USGS Quadrangle Map (7.5 or 15 minute) \_\_\_\_\_

2. The following information is needed to explain the use of a septic tank system:

2.1 Is there an existing sewer system available? YES NO . If yes, explain reason for not connecting to system

2.2 If no, one will be available \_\_\_\_\_(mm/yyyy)

3. Show the following information on Topographical Map:

3.1 Distance to nearest:

3.1.1 Sanitary sewer system \_\_\_\_\_miles

3.1.2 Surface and/or ground water sources that could be potentially used for a potable water supply

3.1.3 Potable water supplies (Public or Private) \_\_\_\_\_

3.1.4 Streams and lakes \_\_\_\_\_

3.2 If seepage field is within 50 feet of a field drainage tile, show drainage tile system.

3.3 Show locations of points where soil borings and percolation tests were conducted. Submit test results and the conditions under which these tests were performed

3.4 Show location of adjacent property lines.

3.5 Show areas subject to flooding.

4. Hydrological and Geological Data, (Submit appropriate maps).

4.1 Distance from the bottom of the seepage field to the highest point of the estimated ground water table \_\_\_\_\_feet.

4.2 If the distance indicated in Item 4.1 is 5 feet or less, show estimated direction of ground water movement.

5. BASIS OF DESIGN

5.1 Design average flow \_\_\_\_\_ GPD Design maximum flow \_\_\_\_\_ GPD

5.2 \_\_\_\_\_ Percent Domestic; \_\_\_\_\_ Percent Non Domestic

5.3 Population to be served \_\_\_\_\_ persons

5.4 Population equivalent \_\_\_\_\_ P.E.

5.5 Type of facility to be served (building use) (i.e., school, laundromat, car wash, factory, etc)

5.6 Total Volume of septic tank(s) \_\_\_\_\_

5.7 Design percolation rate \_\_\_\_\_ minutes/in.; Design application rate \_\_\_\_\_ gallons per ft.<sup>2</sup>

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039, Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

6. Submit Schedule N for Non Domestic Wastes
7. The following information must be provided on the collection system:
  - 7.1 Detailed plans.
  - 7.2 Will "Standard Specifications for Water and Sewer Main Construction in Illinois, (Fifth Edition, May, 1996) or Standard Specifications adopted by a resolution of a municipality or sanitary district governing body and on file with the IEPA govern construction of this system? YES            NO            .  
If no, specifications must be furnished for the construction of the system.
  - 7.3 Submit Schedule F if a lift station is proposed.
8. Submit detailed plans and specifications for the following (see instructions)
  - 8.1 Septic tank
  - 8.2 Seepage field system
9. Sludge Disposal (see instructions). Do not proceed without reading instructions.
10. Describe how sludge will be transported to disposal site and indicate name and license number of the Private Sewage Disposal Contractor if applicable: \_\_\_\_\_
11. Location of the ultimate liquid sludge disposal site:
  - 11.1 \_\_\_\_\_ Recipient's Name and License Number
  - 11.2 \_\_\_\_\_ Recipient's Mailing Address
  - 11.3 \_\_\_\_\_ Telephone Number
  - 11.4 \_\_\_\_\_ USGS Coordinates or address (if in urban area) of disposal site
  - 11.5 If the ultimate disposal is designated for other than land application, provide details and contracts.  
\_\_\_\_\_
12. The applicant understands that the permit applied for, if granted, will be issued subject to the following conditions. In addition the recipient of the liquid sludge will read each condition and will signify his understanding and acceptance of same by signing at the bottom of said conditions.
  1. The liquid sludge to be placed on the land shall be digested and properly stabilized.
  2. The liquid sludge shall be placed on the land in such a manner, which will not create a health hazard or public nuisance.
  3. The application of the liquid sludge on the land shall not cause air, land or water pollution as specified by the Environmental Protection Act.
  4. The liquid sludge shall not be placed into any surface waters of the State.
  5. The liquid sludge shall be plowed under the ground immediately after its application.
  6. The liquid sludge will not be applied to the ground when it is raining or when rain is imminent.
  7. Under no circumstances shall such liquid sludge be buried within 200 feet of any water supply well or any body of water.
  8. The liquid sludge shall not be placed within a 100 feet of any underground drainage tile.
  9. I/We shall not place liquid sludge from any other source at the designated location site.
  10. The recipient of the liquid sludge shall not place liquid sludges from any other source within a 100 feet radius of the above designated site.

The undersigned states that the information contained in this Schedule is true and accurate. The undersigned has read Conditions 1 through 10 as states above and agrees to accept these conditions as a part of the permit.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Signature of Recipient

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date