

**NPDES Permit No. ILG62**

United States Environmental Protection Agency  
Region 5, Water Division  
NPDES Programs Branch  
77 West Jackson Boulevard  
Chicago, IL 60604  
[www.epa.gov/Region5](http://www.epa.gov/Region5)

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**DRAFT**

**General Permit for New and Replacement  
Surface Discharging Wastewater Treatment Systems**

**Issue Date:** Month Day, 2012

**Effective Date:** Month Day, 2012

**Expiration Date:** Month Day, 2017

**Coverage Under This Permit**

This Permit authorizes discharges to Waters of the United States, including to conveyances to Waters of the United States, including interstate waters that flow across or form part of the boundary of Illinois and in all areas of the State of Illinois, from eligible New and Replacement Surface Discharging Wastewater Treatment Systems, provided the release rate from the treatment system is less than 1,500 gallons per day.

Additional eligibility criteria are included in Part I of this permit.

Permit requirements are listed in Part I through Part III.

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Tinka G. Hyde  
Director, Water Division  
United States Environmental Protection Agency  
Region 5

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## **Part I: COVERAGE UNDER THIS PERMIT**

### **A. Permit Area**

1. This permit covers all areas of the State of Illinois with discharges to Waters of the United States.

### **B. Eligibility**

1. Subject to the limitations on coverage listed below, this permit covers New and Replacement Surface Discharging Systems that discharge to Waters of the United States provided that 1) the Surface Discharging System receives and processes only Domestic Sewage; 2) flows through the Surface Discharging System are less than 1,500 gallons per day; 3) connection to a sanitary sewer is greater than 200 feet away from the residential or non-residential property, and 4) all alternatives to a Surface Discharging System are technologically or economically infeasible as determined in accordance with paragraphs 2 through 4 below. Permit coverage is available to eligible Surface Discharging System Owners or Operators who submit an administratively complete Notice of Intent (NOI) to be covered by the general permit, including the technological and economic feasibility analyses.
2. Technological Feasibility: To be covered by the general permit, Owners or Operators must submit a written determination that concludes that an individual or Soil Based Cluster System and all other alternatives to a Surface Discharging System are not technologically feasible. Feasibility determinations for soil based systems shall be based on a Soil Investigation and Site Evaluation conducted pursuant to the requirements in the Illinois Private Sewage Disposal Licensing Act, 225 ILCS 225, and Code (PSD Code), 77 Illinois Administrative Code (IAC) 905 and this general permit. Determinations shall specify the reason(s) for the conclusion. Where the PSD Code and this permit conflict, the approach described in this general permit must be used.
  - a. Soil Investigation: An analysis conducted to support the determination must be based on the procedure in the PSD Code, Section 905.55 as it is adapted below, and shall be conducted by a qualified person as described here. A soil investigation analysis must be prepared, and signed by the person who conducts the soil investigation. The analysis must contain the information in Part I.B.2.a.iv, and must be included with the site evaluation report. The following link will provide a list of qualified Soil Classifiers in each county <http://www.illinoissoils.org/map/index.htm>.
    - i. Determination of soil characteristics on sites proposed for a New or Replacement Surface Discharging System shall be based on soil boring data collected by a Soil Classifier or an Illinois licensed professional engineer.
    - ii. There shall be a minimum of 3 borings per wastewater treatment system site. The soil borings shall be at least 50 feet apart, and the proposed wastewater treatment

system must be located within the area where the soil borings were located. More soil borings may be necessary when there is variability between the samples that does not allow for an accurate and appropriate evaluation of a site. One of the borings shall be made at the lowest elevation of the proposed wastewater treatment system site. Borings shall extend a minimum of 60 inches below the natural ground surface. An observation pit shall be used when 20% (12 inches) or more of a soil boring sample is comprised of gravelly materials (particles greater than 2 millimeters in size).

- iii. Soil characteristics may also be determined from a pit dug by a backhoe or other excavating equipment. The Illinois Department of Public Health or the local authority designated as its agent may require soil pits (backhoe excavation) in cases where ground is frozen, where the soil materials are considerably varied in texture, where there has been previous or current fill material, cutting of soils, or where gravelly soils are encountered. Such soil pits shall be prepared at the perimeter of the expected wastewater treatment system area to minimize damage to natural soil structure. Soil pits shall extend a minimum of 60 inches below the natural ground surface.
  - iv. Site characteristics to be described include zones of seasonal and permanent water saturation, soil textural changes, soil structural features, slope, compaction and depth, soil coloration, depth of limiting layer, depth of soil mottling (depth to low chroma equal to or less than 2 and a value of 4 or more - Munsell Color System), internal drainage classification, range of permeability and loading rate, consistence, coatings, physiography, soil type, and classification, and other limiting soil characteristics that may be identified that could potentially reduce permeability.
  - v. The following persons are qualified to conduct soil investigations:
    - A Any person who meets the definition of Soil Classifier in Part IV (Definitions).
3. Site Evaluation: A site evaluation shall be conducted by a Site Evaluator using information gathered from the soil investigation analysis, PSD Code design requirements, and the additional design parameters identified in Part I.B.3.a through c below to determine if any alternative to a Surface Discharging System is technologically feasible. A site evaluation report must be prepared, and signed by the person who conducted the site evaluation and must be submitted with the NOI. The site evaluation report must include the information required by this paragraph 3, including but not limited to calculations, supporting data (including the soil investigation analysis), types of systems evaluated, and the analysis supporting conclusions drawn about the site, and whether it can support an alternative(s) to a Surface Discharging System.

- a For homes, the design flow shall be 100 gallons per day (gpd) + Number of Bedrooms times 100 gpd/bedroom (e.g., the corresponding design flow for a 3 bedroom home would be 400 gpd).
- b The Site Evaluator shall evaluate the following system types ii.A through L:
  - i. Soil Based Cluster System
  - ii. Septic tank, Imhoff tank, or Aerobic Treatment Plant<sup>a</sup> followed by:
    - A Subsurface seepage field, or
    - B Seepage bed, or
    - C Sand filter (buried or recirculating), or
    - D Non-sand media filter (buried or recirculating), or
    - E Waste stabilization pond, or
    - F 8 inch or 10 inch gravelless seepage system, or
    - G Chamber system, or
    - H Peat filter system, or
    - I Vegetative submerged bed, or
    - J Mound system, or
    - K At grade system, or
    - L Low pressure pipe system.

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<sup>a</sup> Aerobic treatment plants that meet ANSI/NSF Standard 40 for class I effluent as demonstrated through field testing or design may be used and are not required to be tested and listed by NSF International or a laboratory approved by ANSI.

- c The Site Evaluator shall evaluate the following soil design groupings and loading rates based on the alternative Soil Group classifications provided in Appendix V.

<b>Soil Design Group</b>	<b>Soil Group</b>	<b>Maximum Loading Rate in Gallons per Sq Ft per Day</b>
II	2A; 2B; 2K	1.00
III	3B; 3K	0.91
IV	3A; 3C; 3L; 4D; 4K	0.84
V	4A; 4B; 4C; 4L; 5D	0.75
VI	4F, 4M, 5B	0.69
VII	4N, 5A, 5C, 5H, 5K, 6D	0.62
VIII	4O, 5E, 5I, 5L, 6A, 6B, 6E, 6H, 6K	0.52
IX	5F; 5M; 6C; 6L; 7D	0.45
X	5G, 6F, 6I, 7E, 7C, 7H	0.40
XI	5N; 6G; 6J; 6M, 7F, 7I	0.27
XII	7G, 7J, 7L, 8E, 8I	0.20

4. Economic Feasibility (the economic feasibility test is not available for businesses or government owned or operated discharges): To be covered by the general permit, Owners or Operators must submit a determination that concludes that an individual or clustered (Soil Based Cluster System) soil based wastewater treatment system and all other alternatives to a Surface Discharging System are not economically feasible by demonstrating that the annualized cost to purchase, install, operate, and maintain a non-surface discharging wastewater treatment system would exceed 2% of the applicant's annual household adjusted gross income, as averaged over the three most recent full calendar years.
- a EPA has developed a spreadsheet tool (See Appendix I) that must be used by the applicant to calculate average annualized costs and determine whether or not they exceed 2% of their annual household adjusted gross income, as averaged over the three most recent full calendar years.
- b In order to use the calculator, the applicant must enter the following information:
- Estimated capital cost (purchase and installation) of a wastewater treatment system provided from the system installer or vendor.
  - The corresponding operation and maintenance cost from the table included in the spreadsheet tool provided by EPA.

- iii. The applicant's annual household adjusted gross income for the three most recent full calendar years.
- c The calculator will generate system capital, installation, operation, and maintenance costs annualized over a thirty-year period, and will allow the applicant to note whether or not he or she qualifies for general permit coverage based on the economic feasibility criterion.
- d Individual adjusted gross income is not required to be reported on the NOI form or on other forms submitted to EPA and should not be submitted with the NOI form. Applicants will only be required to self-certify that they meet the economic eligibility criterion. The applicant is required to maintain a copy of the records and calculations on which the certification is based for 3 years after the NOI is submitted.

**C. Limitations on Coverage**

- 1. The following discharges from Surface Discharging Systems are not eligible for coverage under this general permit:
  - a Discharges from New Surface Discharging Systems located in lots legally recorded 6-months or more after the effective date of the permit,
  - b Any discharge that is already covered by a different NPDES permit,
  - c Discharges to waters listed as impaired under section 303(d) of the Clean Water Act due to unnatural growths of algae or aquatic plants, bacteria, chlorine, low dissolved oxygen, or suspended solids;
  - d Discharges that are mixed with material other than Domestic Sewage;
  - e Any discharge inconsistent with a plan or plan amendment approved under section 208(b) of the Act;
  - f Discharges from more than one home, or other structure;
  - g Discharges from New or Replacement Surface Discharging Systems when a residential or non-residential property is within 200 feet of a sanitary sewer;
  - h Government owned or operated discharges for which one or more alternatives to a Surface Discharging System are technologically feasible (e.g., parks, campgrounds, rest stops, etc.);
  - i Discharges to waters listed in 35 IAC 303.206 list of outstanding resource waters,

- j Discharges from businesses for which one or more alternatives to a Surface Discharging System are technologically feasible.
- 2. Any applicant not meeting the eligibility criteria in Part I.B above or excluded from coverage in this paragraph C, or denied coverage under this permit may apply to the Illinois Environmental Protection Agency (Illinois EPA) for coverage under an individual NPDES permit.
- 3. The Director may require any Person authorized to discharge under this permit to apply for and obtain individual NPDES permit coverage, or coverage under an alternate general permit. Any interested person may petition the Director to act under the preceding sentence.

#### **D. Authorization**

- 1. In order for discharges from wastewater treatment systems to be authorized under this general permit, a Discharger must submit a NOI in accordance with the requirements of Part II, using the suggested NOI form provided by the EPA or another form of official correspondence containing all of the information required in the NOI.
- 2. When a new Owner acquires title to property containing a Surface Discharging System covered under this permit, a new NOI must be submitted by the New Owner in accordance with Part II to continue the authorization to discharge under this permit.
- 3. Unless notified by the EPA to the contrary, Persons who submit an NOI in accordance with the requirements of this permit are authorized to discharge under the terms and conditions of this permit 30 calendar days after the date the NOI is received by the EPA.
- 4. The EPA may deny coverage under this permit and require submittal of an application for an individual NPDES permit to the Illinois EPA based on a review of the NOI or other information.

### **Part II: NOTICE OF INTENT REQUIREMENTS**

#### **A. General**

- 1. For purposes of this general permit, the NOI consists of either the suggested NOI form in Appendix II of this permit or another form of official correspondence containing all of the information required in the NOI, plus any information required to be submitted with the NOI (such as the Site Evaluation).



**B. Deadlines for Notification**

1. To receive authorization under this general permit, an applicant must submit a completed NOI in accordance with Part II.E 30 calendar days prior to discharge from a Surface Discharging System.
2. No discharge of any kind from the Surface Discharging System – including system testing – is authorized until 30 calendar days after the date the NOI is received by the EPA, unless notified by the EPA to the contrary.

**C. Failure to Notify**

1. Any person who discharges to Waters of the United States including to conveyances to Waters of the United States without NPDES permit coverage is in violation of the federal Clean Water Act and subject to enforcement action.

**D. Contents of Notice of Intent**

1. The NOI must be signed and certified in accordance with Part II.F of this permit by the treatment system Owner or Operator and must include all of the information indicated on the NOI form included in Appendix II. This information includes the following:
  - a Permit information;
  - b Surface Discharging System permittee information;
  - c Surface Discharging System location information;
  - d Discharge information;
  - e Surface Discharging System type, manufacturer, and installer information;
  - f Disinfection, and other chemical treatment information;
  - g Technological and economic feasibility information; and
  - h Certification information.

**E. Where to Submit**

1. NOIs, and the eligibility documentation required under Part I.B must be submitted by certified mail to:

U. S. Environmental Protection Agency  
Region 5, Water Division  
NPDES Programs Branch (WN-16J)  
General Permit ILG62 NOI  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**F. Signatory Requirements**

1. NOI's, reports, including inspection reports, and other information submitted to the EPA must be signed and certified pursuant to the following statement from 40 CFR §122.22(d):

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2. All NOI's must be signed as follows:

a For Residential Property:

- i. For a Homeowner: by one of the adults whose name appears on the title to the property.
- ii. For a corporation, partnership, or sole proprietorship, see the requirements set forth below.

b For Non-residential Property:

- i. If the Owner of the property will also operate any business on the property, the NOI shall be signed as follows:

A For a corporation, by a Responsible Corporate Officer.

- B For a partnership, or sole proprietorship, by a general partner, or the proprietor respectively.
  - ii. If the Owner of the property will not be operating the business, the NOI must also be signed in this instance by a responsible individual representing the Operator, as set forth in subsection b.i. above, based upon whether the Operator is a corporation, partnership, or sole proprietorship.
3. All reports required by the permit and other information submitted to the EPA must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- a The authorization is made in writing by a person described above;
  - b The authorization specifies either an individual or a position having responsibility for the overall operation of the permitted facility or activity, or an individual or position having overall responsibility for environmental matters for the permittee. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
  - c The written authorization is submitted to the EPA.

**G. Additional Notification**

1. Dischargers who own Surface Discharging Systems which discharge through a regulated municipal separate storm sewer system (MS4), in addition to filing copies of the NOI in accordance with Part II.E above, must submit signed copies of the NOI to the owner of the MS4 in accordance with the deadlines in Part II.B above. A listing of MS4's is provided through the Illinois EPA link provided here:  
<http://www.epa.state.il.us/water/permits/storm-water/ms4-status-report.pdf>

**H. Continuation of this Permit**

1. If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with 40 CFR § 122.6 and remain in force and effect. If you were authorized to discharge under this permit prior to the expiration date, any discharges authorized under this permit will automatically remain covered by this permit until the earliest of:
- a Your authorization for coverage under a reissued permit or a replacement of this permit following your timely and appropriate submittal of a complete NOI requesting authorization to discharge under the new permit and compliance with the requirements of the new permit; or

- b Your submittal of a Notice of Termination; or
- c Issuance or denial of an individual permit for the facility's discharges; or
- d A formal permit decision by EPA not to reissue this general permit, at which time EPA will identify a reasonable time period for covered dischargers to seek coverage under an alternative general permit or an individual permit. Coverage under this permit will cease at a time that shall be identified in the EPA decision.

#### **I. Notice of Termination**

1. When a treatment system covered by this permit is sold to a New Owner or when discharges to Waters of the United States cease because the system is removed, closed out, or because discharges are routed to a separate wastewater collection and treatment system, the permittee must submit a completed Notice of Termination (NOT).
2. The NOT must be signed in accordance with Part II.F of this permit by the treatment system Owner and must include all of the information indicated on the NOT form included in Appendix III. This information includes the following:
  - a Permit information;
  - b Operator information;
  - c Certification information.

### **Part III: SYSTEM MANAGEMENT, EFFLUENT LIMITATIONS, AND INSPECTIONS**

All wastewater treatment systems with discharges authorized under this permit must be operated and maintained in accordance with the printed operation and maintenance manual or guide prepared for the system. The manual or guide must be kept on file with other permit documents (e.g., NOI, past inspection reports, copy of this permit) and retained at the wastewater system site by the permittee for the duration of the permit coverage.

#### **A. Management Requirements**

1. All Surface Discharging Systems with discharges authorized under this permit must be operated and maintained in the following manner:
  - a Maintain the system so that it meets the numeric and narrative effluent limitations required under this permit;

- b Perform the operation and maintenance procedures and tasks recommended by the treatment system manufacturer and the manufacturer(s) of components of the system, or the system designer and installer, in accordance with the recommended schedule;
  - c Use manufacturer-specified treatment system components or supplies (e.g., pumps, valves, piping, replacement parts, fixtures, chlorine tablets, ultraviolet tubes, etc.);
  - d Conduct the inspections, monitoring, effluent sampling, reporting, records retention, and other tasks described in this permit; and
  - e Address needed system adjustments, operational modifications, repairs, parts replacement, pumping of residuals, and other conditions that cause or might cause violations of the effluent limits.
2. Operation and maintenance tasks must be performed by a qualified individual with sufficient training or experience to ensure that permit requirements are met. (See Part III.C.2 for qualification requirements.) The permittee is responsible for assuring that these provisions are fulfilled.

#### **B. Effluent Limitations and Monitoring Requirements**

During the period beginning on the effective date of coverage under this permit, the Owner or Operator is authorized to discharge to Waters of the United States or to conveyances to Waters of the United States in accordance with the following effluent limitations and monitoring requirements. In addition to the numeric and narrative effluent limitations listed in the tables in this section, discharges authorized under this permit must not cause or contribute to a violation of the water quality standards in 35 Illinois Administrative Code (IAC) Part 302 in the receiving waters. If at any time the permittee becomes aware (e.g., through inspections, self-monitoring or by notification from the State or EPA) that the discharge causes or contributes to a violation of any applicable water quality standard, the Owner or Operator must take corrective action as required in Part III.D.4, including cessation of the discharge, if necessary.

## Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations for surface discharges to Waters of the United States or to conveyances that discharge to Waters of the United States <sup>1</sup>	
	Units in milligrams/liter Unless Otherwise Noted	
	<u>Maximum Daily Limitation</u>	<u>Monitoring (Shall be conducted during discharge)</u>
BOD <sub>5</sub>	45	Grab Every 6 months
or: <sup>2</sup> COD	55	Grab Every 6 months
TSS	45	Grab Every 6 months
or: <sup>2</sup> Turbidity	15 Nephelometric Turbidity Units	Grab Every 6 months
Dissolved Oxygen	4.0 Minimum	Grab Every 6 months
Fecal Coliform	400 Colony Forming Units / 100 milliliter	Grab <sup>3</sup>
Total Residual Chlorine (TRC) <sup>4, 5, 6</sup>	0.038	Grab Every 6 months
pH	6.0 to 9.0 Standard Units	Grab Every 6 months
Flow <sup>7</sup>		Estimated Every 6 months
Oil, Odor, Color, Floating Debris	None Detectable in Discharge or Caused by Discharge in the Receiving Water	Observation Every 6 months

1. Follow-up sampling is required within 30 days of the date when any parameter fails to meet its effluent limitation or benchmark. Sampling must continue monthly after that until the relevant effluent limitation, or benchmark, is met.
2. The Owner or Operator may analyze effluent samples using either Five Day Biochemical Oxygen Demand (BOD<sub>5</sub>) or Chemical Oxygen Demand (COD). Owners or Operators may analyze effluent samples using either Total Suspended Solids (TSS) or Turbidity. Compliance will be evaluated against the limit for the chosen parameter.
3. Monitoring frequency for fecal coliform must be conducted every 6 months if chlorine disinfection or annually if any alternative to chlorine disinfection is used (e.g. ultraviolet disinfection).
4. TRC sampling (benchmark range, and final acute value) is only required when chlorine is used for disinfection.
5. The benchmark range for TRC (showing effective disinfection) is 0.2 to 1.5 mg/l. A grab sample must be taken every 6 months from the sample port located at the exit of the chlorine disinfection unit to evaluate the

effectiveness of the disinfection treatment system. Failure to meet benchmark range values is not a permit violation, but rather indicates that the permittee shall conduct follow-up monthly sampling and adjust the chlorine delivery system until the benchmark range is satisfied.

6. Final acute value calculated from 35 IAC § 302.208. Sample must be taken where the effluent discharges to a Water of the United States or conveyance to a Water of the United States. Failure to meet the final acute value is a permit violation.
7. Flow estimates can be derived from instantaneous timed water meter data, effluent flow measurements, or other methods. Estimates are to be recorded as gallons per day.

Parameter	Effluent Limitations for surface discharges to Waters of the United States or to conveyances that discharge to Waters of the United States where the discharge is within 100 feet of the Average Water Level of lakes, ponds or impoundments. <sup>1</sup>	
	Units in milligrams/liter Unless Otherwise Noted	
	<u>Maximum Daily Limitation</u>	<u>Monitoring</u>
BOD <sub>5</sub>	20	Grab Every 6 months
TSS	24	Grab Every 6 months
Fecal Coliform	400 Colony Forming Units / 100 milliliter	Grab Every 6 months
Total Residual Chlorine <sup>2, 3, 4</sup>	0.038	Grab Every 6 months
pH	6.0 to 9.0 Standard Units	Grab Every 6 months
Flow <sup>5</sup>		Estimated Every 6 months
Oil, Odor, Color, Floating Debris	None Detectable in Discharge or Caused by Discharge in the Receiving Water	Observation Every 6 months

1. Follow-up sampling is required within 30 days of the date when any parameter fails to meet its effluent limitation or benchmark. Sampling must continue monthly after that until the relevant effluent limitation, or benchmark, is met.
2. TRC sampling (benchmark range, and final acute value) is only required when chlorine is used for disinfection.
3. The benchmark range for TRC (showing effective disinfection) is 0.2 to 1.5 mg/l. A grab sample must be taken every 6 months from the sample port located at the exit of the chlorine disinfection unit to evaluate the effectiveness of the disinfection treatment system. Failure to meet benchmark range values is not a permit violation, but rather indicates that the permittee shall conduct follow-up monthly sampling and adjust the chlorine delivery system until the benchmark range is satisfied.
4. Final acute value calculated from 35 IAC § 302.208. Sample must be taken where the effluent discharges to Waters of the United States or conveyances to Waters of the United States. Failure to meet the final acute value is a permit violation.
5. Flow estimates can be derived from instantaneous timed water meter data, effluent flow measurements, or other methods. Estimates are to be recorded as gallons per day.

## **C. Inspections and Reporting Requirements**

Permit requirements for inspections and reporting include the following:

1. Surface Discharging Systems covered under this permit must be visually inspected by the Owner or Operator twice per year to ensure that no foreign objects are interfering with treatment processes (e.g. trash, debris) and effluent quality appears to be normal. Visual inspections must occur no earlier than 90 days, and no later than 104 days following the most recent semi-annual inspection and effluent monitoring. If the result of a visual inspection indicates that there is a problem, the Owner or Operator must take corrective action as required in Part III.D. The Owner or Operator shall also maintain a log of the visual inspections and record the date the visual inspection was performed, and any problems causing the system to operate improperly, if any.
2. Semi-annual inspections and effluent monitoring are required under this permit. They must be conducted by a qualified individual with sufficient training to ensure that permit requirements are met. Qualified individuals include trained and experienced wastewater treatment plant operators, licensed environmental health practitioners, licensed installers, and Illinois licensed professional engineers. The Owner or Operator is responsible for assuring that this provision is fulfilled.
3. Inspectors must perform and document the following tasks and their observations during the semi-annual inspection:
  - a. Record the date of the inspection, system location (physical address and Illinois tax parcel permanent index number, latitude/longitude), name of the permittee(s) and contact information, inspector's name and contact information, type of wastewater treatment system (e.g., aerobic treatment plant, single pass or recirculating media filter, sequencing batch reactor), manufacturer, model number, type of disinfection (e.g., chlorine tablets, ultraviolet lamp), name of receiving water body (e.g., unnamed tributary of Big Creek). The following web link can be used to convert a user entered address into latitude and longitude coordinates: <http://stevemorse.org/jcal/latlon.php>.
  - b. Visibly inspect all tanks (e.g., septic, aerobic, chlorine contact, dosing) and system components to ensure they are structurally sound, foreign objects are not interfering with treatment processes (e.g., trash, debris), and effluent quality appears to be normal.
  - c. Take effluent field measurements and collect samples for later laboratory analysis as required in Part III.B. Samples must be taken at the discharge pipe or location where the discharge leaves the treatment system and before the discharge enters Waters of the United States, or to conveyances to Waters of the United States. Samples and measurements taken for the purpose of monitoring must be representative of the effluent monitored.



- d Take effluent field measurement and collect a sample for later laboratory analysis for total residual chlorine. To determine if the benchmark range is satisfied, a sample must be taken from the sample port located at the exit of the chlorine disinfection unit. To determine compliance with the final acute value for total residual chlorine, a sample must be taken where the effluent discharges to Waters of the United States or conveyances to Waters of the United States. Sampling for total residual chlorine (benchmark range, and final acute value) is only required when chlorine is used for disinfection.
  - e Measure or estimate the treatment system effluent flow and observe the effluent for visible degradation (e.g., oil sheen, color, and odor).
  - f Measure and document the sludge and scum layers in the tank(s) or treatment system compartments, including any septic or grease interceptor tanks; determine if pumping is needed.
  - g Ensure that all electrical switches, pumps, and blowers are operable.
  - h Ensure proper operation of the disinfection unit.
  - i Ensure that the high level alarms function properly.
  - j Ensure that ponding is not occurring in any subsurface sand (or other media) filter.
  - k Record all observations, actions taken to improve treatment processes (e.g., pumping the tank, adjusting timers, servicing disinfection units, removing debris from the treatment unit, etc.), and other significant details of the inspection on the inspection report. Record effluent field measurements and sampling laboratory results, and the name and location of the laboratory performing the analysis on the inspection report.
- 4. Completed inspection reports must be signed by the inspector and permittee in accordance with Part II.F of this general permit. The inspector shall also include his or her qualifications in the inspection report.
  - 5. Properly completed and signed inspection reports (including visible inspection log) must be retained by the permittee for three years after the date of the inspection. Reports must be made available to the Director and authorized representatives on request.
  - 6. Effluent monitoring results must be reported to the EPA within 10 days after receipt of the analytical test results using the discharge monitoring report (DMR) form in Appendix IV via certified mail to the address in Part II.E and signed in accordance with Part II.F. A copy of the signed DMR form must also be sent to the local health department. The following link can be used to identify the appropriate local health department, <http://www.idph.state.il.us/local/alpha.htm>.

#### **D. Standard Conditions**

As provided by the introductory text of 40 C.F.R. § 122.41 and the regulation at 40 C.F.R. § 122.43(c), all of the standard permit conditions published in federal regulations at 40 C.F.R. § 122.41 that are not expressly identified here, are hereby incorporated by reference.

1. Duty to comply. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, or denial of a permit renewal application.
2. Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration of this permit, the permittee must apply for and obtain a new general permit, once EPA has issued it, or an individual permit.
3. Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
5. Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
6. Permit actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for permit termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
7. Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege.
8. Duty to provide information. The permittee shall furnish to EPA or an authorized representative, within a reasonable time, any information which EPA may request to determine whether cause exists for terminating this permit or to determine compliance with this permit. The permittee shall also furnish to EPA or an authorized representative upon request, copies of records required to be kept by this permit.

9. Inspection and entry. The permittee shall allow EPA, or an authorized representative (including an authorized contractor), upon presentation of credentials and other documents as may be required by law, to:
- a At reasonable times, enter the property where a regulated facility or activity is located;
  - b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - c Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
  - d Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

10. Monitoring and records.

- a Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b The permittee shall retain records of all monitoring information, copies of all reports required by this permit, and records of all data, including but not limited to the Site Evaluation, used to complete the Notice of Intent for this permit, for a period of at least 3 years from the date of the sample, report or application. This period may be extended by request of EPA at any time.
- c Records of monitoring information shall include:
  - i. The date, exact place, and time of sampling or measurements;
  - ii. The individual(s) who performed the sampling or measurements;
  - iii. The date(s) analyses were performed;
  - iv. The individual(s) who performed the analyses;
  - v. The analytical techniques or methods used; and
  - vi. The results of such analyses.

- d Monitoring must be conducted according to test procedures approved under 40 CFR Part 136.
- e The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.

11. Signatory requirement.

- a All applications, reports, or information submitted to EPA shall be signed and certified. (See § 122.22)
- b The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

12. Reporting requirements.

- a Planned changes. The permittee shall give notice to EPA as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in the permit.
- b Anticipated noncompliance. The permittee shall give advance notice to EPA of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
  - i. Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms provided or specified by EPA.

- ii. If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136, the results of such monitoring shall be included in the calculation and reporting of the data submitted in the DMR form specified by EPA.
  - d Twenty-four hour reporting.
    - i. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
    - ii. The following shall be included as information which must be reported within 24 hours under this paragraph.
      - A Any unanticipated bypass which exceeds any effluent limitation in the permit. (See § 122.41(g)).
      - B Any upset which exceeds any effluent limitation in the permit.
      - C Violation of a maximum daily discharge limitation.
    - iii. EPA may waive the written report on a case-by-case basis for reports under paragraph (12)(d)(ii) of this section if the oral report has been received within 24 hours.
  - e Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (12) (c), and (d) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12)(d) of this section.
  - f Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a Notice of Intent, or submitted incorrect information in a Notice of Intent or in any report to EPA, it shall promptly submit such facts or information.
13. Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
14. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and

permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

15. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (16) and (17) of this section.

16. Notice.

- a Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
- b Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(d) of this section (24 hour notice).

17. Prohibition of bypass.

- a Bypass is prohibited, and EPA may take enforcement action against a permittee for bypass, unless
  - i. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - ii. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - iii. The permittee submitted notices as required under (16) of this section.

18. EPA may approve an anticipated bypass, after considering its adverse effects, if EPA determines that it will meet the three conditions listed above in paragraph (17)(a)(i) of this section.

19. Upset

- a Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed

treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

- b Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (19)(c) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - i. An upset occurred and that the permittee can identify the cause(s) of the upset;
  - ii. The permitted facility was at the time being properly operated; and
  - iii. The permittee submitted notice of the upset as required in paragraph (12)(d) of this section (24 hour notice).
  - iv. The permittee complied with any remedial measures required under paragraph 4 of this section
- d Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

#### **Part IV: DEFINITIONS**

**Aerobic Treatment Plant**-A mechanical onsite treatment unit that provides secondary wastewater treatment by mixing air (oxygen) and aerobic and facultative microbes with the wastewater. Aerobic treatment plants may use either a suspended growth treatment process (similar to activated sludge extended aeration), or a fixed film treatment process (similar to a trickling filter) or any combination of the two.

**Average Water Level**-The level between high water that occurs as a result of excessive precipitation and low water that occurs during protracted dry periods.

**Clean Water Act**-Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) Public Law 92-500, as amended, is 33 U.S.C. § 1251 et seq.

**Director**-means the Director of the Water Division in Region 5.

**Discharge**-(a) Any addition of any “pollutant” or combination of pollutants to “waters of the United States” from any “point source,” or

(b) Any addition of any pollutant or combination of pollutants to the waters of the “contiguous zone” or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation.

This definition includes additions of pollutants into waters of the United States from: surface runoff which is collected or channeled by man; discharges through pipes, sewers, or other conveyances owned by a State, municipality or other person which do not lead to a treatment works; and discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works.

**Discharger**-Means a Person (e.g., a natural person, Firm, contractor, unincorporated association, partnership, corporation, trust, etc.) who “discharges a pollutant” as defined in 40 C.F.R. § 122.2, to Waters of the United States.

**Domestic Sewage**-Wastewater derived principally from dwellings, business or office-buildings, institutions, food service establishments, and similar facilities. Principal sources of domestic sewage include bathrooms, kitchens, and laundry.

**General Use Waters**-Waters of the United States that are subject to the water quality standards at 35 Illinois Administrative Code Subpart B of Part 302.

**Homeowner**-An adult individual who owns, either alone or with another adult individual or individuals, a residential property.

**Impoundments**- the body of water, such as a reservoir, made when water is confined by a structure, such as a dam.

**New Owner**-anyone who acquires ownership of a property, which includes, and which is served by a Surface Discharging Wastewater Treatment System, which was previously covered under this NPDES general permit.

**New Surface Discharging System**-A Surface Discharging System is considered “New” if the installation occurs on or after the effective date of the general permit and upon installation it will be the original system to service the home or business.

**Owner or Operator**-means the owner or operator of any facility or activity subject to regulation under the NPDES program. For purposes of this permit, an “operator” means a party, including a charterer by demise, who:

1. has operational control over the Surface Discharging System, including the ability to modify those activities; or



2. has day to day operational control of those activities that are necessary to ensure compliance with the permit or to hire, or direct workers to carry out activities required to comply with the permit.

**Person**-individual, Homeowner, association, partnership, corporation, municipality, State or Federal agency, or an agent, trustee, or employee thereof.

**Private Sewage Disposal Licensing Act-225 ILCS 225**, means the statute, implemented by the Illinois Department of Public Health, which defines requirements for the installation of soil based and Surface Discharging Systems.

**PSD Code**- Illinois State regulations implementing the Private Sewage Disposal Licensing Act, , which are set forth at 77 Ill. Adm. Code 905.

**Replacement Surface Discharging Wastewater Treatment System**-A system where a septic tank, Imhoff tank, or Aerobic Treatment Plant is replaced or where a major component of the system is replaced. Examples of major components would include a seepage pit, seepage bed, media filter, waste stabilization pond, gravelless seepage system, chamber system, vegetative submerged bed, mound system, at grade system, or low pressure pipe system.

**Responsible Corporate Officer**-a Responsible Corporate Officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**Site Evaluator**-Site Evaluator means one of the following.

1. Illinois Licensed Environmental Health Practitioner;
2. Illinois Licensed Professional Engineer;
3. An individual holding either the basic or advanced Certified Installer of Onsite Wastewater Treatment Systems certification from the National Environmental Health Association (NEHA).

**Soil Based Cluster System**-A wastewater collection and treatment system under some form of common ownership and management that provides treatment and dispersal/discharge of wastewater from two or more homes or buildings but less than an entire community to a soil absorption field.

**Soil Classifier**-Soil Classifier means one of the following:

1. A Certified Professional Soil Classifier (CPSC) of the Illinois Soil Classifiers Association (ISCA) or a CPSC or a Certified Professional Soil Scientist (CPSS) with the Soil Science Society of America (SSSA), formerly the American Registry of Certified Professionals in Agronomy, Crops and Soils.
2. A person who is a full member or associate member of ISCA, provided that direct supervision is provided to this person by an ISCA or SSSA Certified Professional Soil Classifier who accompanies the person on at least 25% of the soil investigations and reviews and signs all of that person's soil investigation reports.

**Soil Design Group**-Soil Design Group is defined as that term is used in the PSD Code at Section 905, Appendix A, Illustration M, Exhibit A.

**Soil Group**-Soil Group is defined as that term is used in the PSD Code at Section 905, Appendix A, Illustration M, Exhibit B.

**Surface Discharging Wastewater Treatment Systems or Surface Discharging System**-A system that releases treated domestic sewage onto the ground, into any kind of drain or conveyance, or into surface waters.

**Waters of the United States**- EPA's regulation at 40 C.F.R § 122.2 defines Waters of the United States as follows:

1. All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters, including interstate "wetlands;"
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, "wetlands," sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
  - a. Which are or could be used by interstate or foreign travelers for recreational or other purposes;
  - b. From which fish or shellfish are or could be taken and sold in interstate or foreign

commerce; or

- c. Which are used or could be used for industrial purposes by industries in interstate commerce;
- 4. All impoundments of waters otherwise defined as waters of the United States under this definition;
- 5. Tributaries of waters identified in paragraphs 1 through 4 of this definition;
- 6. The territorial sea; and
- 7. “Wetlands” adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs 1 through 6 of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 C.F.R. § 423.11(m) which also meet the criteria of this definition) are not Waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area’s status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA. [40 C.F.R. § 122.2].

Delineated Waters of the United States may or may not be wet at the time of discharge; however discharges to such are still considered discharges to Waters of the United States. Also, this permit refers to the term “Waters of the United States” to identify those point source discharges required to obtain NPDES permit coverage. Any modification to the regulatory definition of “Waters of the United States” at 40 C.F.R. §122.2 during the effective term of the permit becomes the legal standard for identifying those point source discharges required to obtain NPDES permit coverage consistent with the effective date of such regulations. See EPA’s website for up-to-date guidance on identifying Waters of the United States. <http://water.epa.gov/lawsregs/guidance/wetlands/CWAwaters.cfm>

**Wetlands**-means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

## **Appendix I-Economic Feasibility Calculator**

## Economic Feasibility and Affordability Verification Form for US EPA NPDES General Permit ILG62

*Completion of this form, or the provisions of the information contemplated by this form is required prior to coverage under NPDES General Permit ILG62. Information needed to complete this form is also required for Section VII of the "Notice of Intent."*

*Fill in the information below. The entry for Item 4 must be entered in Section VII, Question 6 of the ILG 62 "Notice of Intent." Print this form after it has been filled out, and keep it with your permit records. This form is subject to review by US EPA and other state/local regulatory agencies.*

- 1) Enter the cost of the least expensive subsurface discharge treatment system that would meet the requirements of the PSD Code and this permit based on the soil analysis from the estimate provided by the Site Evaluator.

Treatment system cost estimate: \_\_\_\_\_

- 2) Enter the estimated annual operation and maintenance (O&M) estimate for the system.

Use the table below to find your treatment technology, soil dispersal system type, and O&M cost .

Annual operation and maintenance (O&M) cost estimate: \_\_\_\_\_

- 3) Enter your annual adjusted gross income for the past 3 years, from your tax returns or other source.  
(Line 21 on form 1040A, Line 37 on Form 1040, or Line 4 on Form 1040 EZ).

Adjusted Gross Income for Year 1: \_\_\_\_\_

Adjusted Gross Income for Year 2: \_\_\_\_\_


Adjusted Gross Income for Year 3: \_\_\_\_\_

- 4) The cost calculator has determined that you're **ELIGIBLE** for General Permit coverage.

Treatment Method	Treatment Technology	Soil Dispersal System	Annual O&M Cost
Conventional (Septic Tank & Drainfield)	Primary Tank & Soil Infiltration	Gravity Flow	\$40
		Pressure Dosed	\$200
		Pressure Drip	\$390
Forced Aeration (Suspended Growth)	Aerobic Unit	Gravity Flow	\$1,000
		Pressure Dosed	\$1,100
		Pressure Drip	\$1,250
Media Filter (Attached Growth)	Single-Pass Filter	Gravity Flow	\$375
		Pressure Dosed	\$510
		Pressure Drip	\$700
	Recirculating Filter	Gravity Flow	\$400
		Pressure Dosed	\$520
		Pressure Drip	\$710

## **Appendix II-Notice of Intent Form**

NPDES  
FORM  
ILG62 NOI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, REGION 5 WATER DIVISION  
NPDES PROGRAMS BRANCH – 77 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604  
NOTICE OF INTENT (NOI) FOR NEW AND REPLACEMENT SURFACE DISCHARGING WASTEWATER  
TREATMENT SYSTEMS IN ILLINOIS DISCHARGING LESS THAN 1500 GALLONS PER DAY

Submission of this suggested Notice of Intent (NOI) form or another form of official correspondence that contains all of the information requested here including supplemental information constitutes notice that the person identified in Section II of this form requests authorization to discharge pursuant to NPDES General Permit ILG62. Submission of this NOI also constitutes notice that the person identified in Section II of this form meets the eligibility requirements of Part I.B of the General NPDES Permit for the discharge identified in Sections III and IV of this form. Permit coverage is required prior to commencement of any discharge from the proposed Surface Discharging System – including system testing – and is required until you are eligible to terminate coverage as detailed in Part II.I of the General Permit. To obtain authorization, you must submit a complete and accurate NOI form or another form of official correspondence that contains all of the information requested here including supplemental information (including but not limited to a soil investigation analysis, and a site evaluation report). Refer to the instructions at the end when completing this NOI.

I. Permit Information

Tracking Number (EPA Use Only):

Permit Number: ILG62

General NPDES Permit for Surface Discharging Systems in Illinois that discharge less than 1500 Gallons Per Day

II. Surface Discharging System Permittee Information

Last Name: First Name: Middle Initial:

Mailing Address for Treatment System Permittee:

Street:

City or Town: State: Zip Code:

Phone: Ext. Cell or Other Phone:

E-mail:

III. Surface Discharging System Location Information

Location Name: (Residence, Apartments, etc.):

Street Address:

City or Town: State: IL Zip Code:

Illinois County Where System is Located:

Illinois Tax Parcel Permanent Index Number:

Have wastewater discharges from this location been covered previously under an NPDES permit? YES NO

If yes, provide the Permit Number from the Illinois EPA:

Estimated date when discharges will begin (Including system testing): MM/DD/YYYY

Is this Surface Discharging System located on federal lands or at a "federal facility"? YES\* NO If Yes, Name:

Is this Surface Discharging System located on state or local government lands? YES\* NO If Yes, Name of Location:

Is the Surface Discharging System from more than one home or other structure? YES\* NO

Is the residential or non-residential property where the Surface Discharging System will be located within 200 feet of a sanitary sewer system? YES\* NO

\*If YES, coverage under the general permit is not available.

IV. Discharge Information

Waterbody receiving the discharge:

Does the discharge enter a Municipal Separate Storm Sewer System (MS4)? YES NO

If yes, provide the name of the MS4:

Does this Surface Discharging System discharge to an impaired water? ☐ YES ☐ NO

If yes, name of the impaired water: \_\_\_\_\_

List impairment causes: \_\_\_\_\_

If a total maximum daily load (TMDL) has been approved or established for the waterbody receiving the discharge, identify the title or reference of the TMDL document: \_\_\_\_\_

#### Plan or Plan Amendment Under Section 208(b) of the Clean Water Act

Will the discharge from this Surface Discharging System be inconsistent with a plan or plan amendment approved under section 208(b) of the Clean Water Act?

☐ YES\* ☐ NO

#### Outstanding Resource Waters

Does this Surface Discharging System discharge to an Outstanding Resource Water, as defined by Illinois Administrative Code Title 35, Subtitle C, Chapter 1, Part 303?

☐ YES\* ☐ NO If yes, name the Outstanding Resource Water: \_\_\_\_\_

\*If YES, coverage under the general permit is not available.

#### V. Surface Discharging System Type, Manufacturer, and Installer Information

Is this Surface Discharging System a manufactured or prefabricated unit? ☐ YES ☐ NO

If no, provide the following information on the Surface Discharging System designer:

Designer Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ - \_\_\_\_\_

Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Ext. \_\_\_\_\_ Cell or Other Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

E-mail: \_\_\_\_\_

If yes, provide the following information on the manufactured / prefabricated system:

Manufacturer: \_\_\_\_\_ Series/Model: \_\_\_\_\_

Surface Discharging System installer information:

Installer Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ - \_\_\_\_\_

Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Ext. \_\_\_\_\_ Cell or Other Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

E-mail: \_\_\_\_\_

#### VI. Disinfection and Other Chemical Treatment Information

What type of disinfection process will be used for the Surface Discharging System discharge?

- ☐ Chlorine Tablets  
☐ Liquid Chlorine Compound  
☐ Non-Tablet Powdered Chlorine  
☐ Ultraviolet Lamp  
☐ Other: \_\_\_\_\_

Will this Surface Discharging System use other chemicals, besides those added for disinfection? ☐ YES ☐ NO

If yes, describe in detail: \_\_\_\_\_



	Yes	No
1) Will the Surface Discharging System subject to this NOI:		
a) Treat only domestic sewage? <sup>1</sup>		
b) Discharge effluent to the Waters of the United States or conveyances to Waters of the United States? <sup>1</sup>		
c) Discharge less than 1500 gallons per day? <sup>1</sup>		
d) Serve a lot legally recorded 6-months or more after the effective date of the permit? <sup>1</sup>		
2) Has the Surface Discharging System site been subject to a soil investigation by a person qualified to conduct soil investigations as identified in Part I.B.2.a.v of the NPDES general permit ILG62? <sup>1</sup>		
3) Has the Surface Discharging System site been evaluated for the installation of a subsurface soil-based wastewater system? <sup>1</sup>		
If <u>yes</u> , does the site meet Illinois Department of Public Health (IDPH) requirements for installation of a subsurface soil-based wastewater treatment system? <sup>2, 3</sup>		
If <u>no</u> , would the site meet IDPH requirements for installation of a subsurface soil discharging treatment system if: <sup>4</sup>		
a) Treatment system flow and related sizing estimates are lowered from the conventional IDPH flow rate (200 gallons / day per bedroom) to 100 gallons / day per bedroom, plus 100 gallons? <sup>2, 3</sup>		
b) Soil Design Groups as presented in Part I.B.3.c, using the Soil Groups in Appendix 5 in the general permit are assessed and included as eligible for a subsurface soil-based wastewater treatment system? <sup>2, 3</sup>		
c) An aerobic fixed film or suspended growth treatment system designed to meet Class I effluent standards (e.g., a system listed by NSF/ANSI or otherwise designed to meet Class I effluent standards) is installed, allowing the size of the subsurface soil infiltration system to be reduced by one-third? <sup>2, 3</sup>		
4) Has the applicant been provided a subsurface discharging system cost estimate (capital and installation) by an appropriate installation professional? <sup>1</sup>		
5) Has the applicant used the cost calculator to determine relative system capital, installation, operation, and maintenance costs, annualized over a 30-year period? <sup>1</sup> (Not applicable for businesses or government)		
6) Did the calculator indicate that the 30-year annualized system capital, installation, operation, and maintenance costs would be greater than 2.0% of the applicant's annual adjusted gross income, as averaged over the past 3 full calendar years? <sup>5</sup> (Economic test not available for businesses or government)		

1. If the response is "no," the site is not eligible for permit coverage under ILG62.
2. If the response is "yes," and the Surface Discharging System is for a home, proceed to Section VII, Question 4
3. If the response is "yes," and the Surface Discharging System is for a business, or a government owned or operated discharge, the site is not eligible for coverage under ILG62.
4. If the response is "no," for Questions 3a, 3b, and 3c, the site is eligible for permit coverage under ILG62
5. If the response is "yes," the site is eligible for permit coverage under ILG62.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Date: 

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**Notice of Intent (NOI) for New and Replacement Discharging Wastewater Treatment Systems in Illinois  
Discharging Less Than 1500 Gallons Per Day Under an NPDES General Permit**

NPDES Form Date: June 2012

**Who Must File an NOI FORM?**

Under the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et. seq.; the Act), federal law prohibits pollutant discharges from point sources to Waters of the United States or conveyances to Waters of the United States unless that discharge is covered under a National Pollutant Discharge Elimination System (NPDES) Permit. Owner(s) or Operator(s) of New or Replacement Surface Discharging Systems with discharges that enter Waters of the United States must submit an NOI to obtain coverage under the NPDES general permit ILG62. If you have questions about whether you need an NPDES permit or other information about general permit ILG62 please visit <http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices>

**Supplemental Information to be Included with the NOI**

To be covered by the NPDES general permit ILG62, Owners or Operators must submit a written determination that concludes that an individual or clustered (Soil Based Cluster System) soil-based wastewater system and all other alternatives to a Surface Discharging System are technologically or economically infeasible. This determination is based on the technological and economic feasibility analyses, as they are described in the general permit at Part I.B.2 through Part I.B.4. In addition to the written determination, to satisfy the technical analysis, the soil investigation analysis and site evaluation report, as described in the general permit at Part I.B.2.a, and Part I.B.3, respectively, must be submitted with the NOI.

**Where to File the NOI Form**

Completed NOI forms must be sent via certified mail to the U.S. EPA Region 5 Office:

U.S. Environmental Protection Agency  
Region 5, Water Division  
NPDES Programs Branch (WN-16J)  
General Permit ILG62 NOI  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**Completing the Form**

Obtain and read a copy of the NPDES general permit for New and Replacement Surface Discharging Wastewater Treatment Systems (ILG62), and the permit fact sheet, viewable at <http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices>. To complete this form, type or print uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response.

If you have any questions regarding this form or the NPDES general permit ILG62, please visit <http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices>. Submit the original NOI with an original signature in ink. Do not send a photocopied signature.

**Section I. Permit Information**

The permit number is already entered. You do not need to provide any information for this section.

**Section II. Surface Discharging System Permittee Information**

Provide the legal name of the person, firm, or any other entity that will be the legal permittee authorized to discharge under the general permit. The permittee is usually the Owner or the Operator of the Surface Discharging System. The permittee is required to sign the legal certification in Section VIII, the Surface Discharging System inspection reports, and is legally liable for permit compliance. Provide the permittee's mailing address, telephone number, and e-mail address, if applicable. Correspondence for the NOI will be sent to this address.

**Section III. Surface Discharging System Location Information**

Enter name (e.g., JONES RESIDENCE) and complete street address, including city, zip code, county, and the Illinois Tax Parcel Permanent Index Number (PIN). Do not enter Post Office Box information – use street addresses only. Check the YES box if wastewater discharges from this location were previously covered by an NPDES permit, and provide the relevant permit number. Provide the estimated date when discharges will begin, including system testing. No system discharges are authorized prior to NOI approval. Check the appropriate box for systems located on federal, state, or local government lands, and provide the name of the location (e.g., COUNTY ASSESSOR OFFICE, US PARK SERVICE MAINTENANCE GARAGE). Check the appropriate box for systems serving more than one home or other structure. Check the appropriate box for systems located on a residential or non-residential property located within 200 feet of a sanitary sewer.

**Section IV. Discharge Information**

Enter information on the system discharge in this section. For example, if the discharge leaves your site and travels through a roadside swale or a storm sewer and then enters a stream that flows to a river, the stream would be the receiving waterbody. U.S. Geological Survey topographical maps may be used to make this determination. If the map does not provide a name, use a format such as "unnamed tributary to Cross Creek."

If you discharge into a municipal separate storm sewer system (MS4), you must identify the waterbody into which that portion of the storm sewer discharges. That information should be readily available from the operator of the MS4. Illinois MS4 information can be found at <http://www.epa.state.il.us/water/permits/storm-water/ms4-status-report.pdf>.

Indicate whether the discharge will enter an impaired water (see <http://www.epa.state.il.us/water/tmdl/303d-list.html>). If yes, enter the name of the impaired water and the cause or causes for the impairment. If a TMDL has been established for the receiving water, provide the title or reference of the TMDL document. Indicate whether the system discharge is inconsistent with a plan or plan amendment approved under section 208(b) of the Act. Indicate whether the system discharges to an Outstanding Resource Water (see 35 Illinois Administrative Code Section 303.206 for a list of all Outstanding Resource Waters.)

**Section V. Surface Discharging System Type, Manufacturer, and Installer Information**

Indicate whether the treatment system is a manufactured or prefabricated type. If it is not a manufactured or prefabricated system, enter the name, address, phone, and email information for the system designer. If it is a manufactured or prefabricated type enter the

**Notice of Intent (NOI) for New and Replacement Discharging Wastewater Treatment Systems in Illinois  
Discharging Less Than 1500 Gallons Per Day Under an NPDES General Permit**

NPDES Form Date: June 2012

series/model information. Enter the name, address, phone, and email information for the treatment system installer.

**Section VI. Disinfection and Other Chemical Treatment Information**

Check the appropriate box for the type of disinfection process used. If additional chemical treatments will be used, enter this information.

**VII. Technological and Economic Feasibility Information**

The discharge of wastewater to Waters of the United States or conveyances to Waters of the United States is generally viewed as a last resort option. Coverage under NPDES General Permit ILG62 is not authorized if a sanitary sewer is within 200 feet of the property line, or if it is technologically and economically feasible to install a subsurface soil-based wastewater treatment system, or any alternative to a Surface Discharging System at the site. These questions are intended to assure that the site has been reviewed to rule out subsurface soil dispersal. Check the appropriate boxes for questions 1 through 6. For question 1, note that Domestic Sewage includes wastewater derived principally from dwellings, business or office buildings, institutions, food service establishments, and similar facilities. Principal sources of Domestic Sewage include bathrooms, kitchens, and laundry. Discharges include releases that will enter Waters of the United States or to conveyances to Waters of the United States. Questions 2 and 3 relate to the site evaluation which determines if a subsurface discharging wastewater system is – or is not – feasible for the site. For details on the site evaluation approach,

see the permit and fact sheet at <http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices>.

Note that the site evaluator must be an Illinois Licensed Environmental Health Practitioner, an Illinois Licensed Professional Engineer, or an individual holding either the basic or advanced "Certified Installer of Onsite Wastewater Treatment Systems" (CIOWTS) certification from the National Environmental Health Association. Questions 4, 5, and 6 relate to the capital, installation, operation, and maintenance costs of a subsurface discharging system, if one is deemed to be technologically feasible (i.e., as concluded by questions 1, 2, and 3). Use the cost information from the installation professional, your adjusted gross income (averaged over the most recent 3 full calendar years), and the system capital, installation, operation, and maintenance cost calculator at <http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices> in responding to these questions. Note the economic feasibility test is not available for businesses or governments.

**Section VIII. Certification Information**

All NOIs, must be signed pursuant to the requirements in the NPDES general permit at Part II.F.

An unsigned or undated NOI form will not be considered eligible for permit coverage.

Visit this website for further information and instructions:  
<http://www.epa.gov/r5water/npdestek/notices.htm#epar5notices>

### **Appendix III-Notice of Termination Form**

Email:

**Notice of Termination (NOT) for New and Replacement Discharging Wastewater Treatment Systems in Illinois  
Discharging Less Than 1500 Gallons Per Day Under an NPDES General Permit**

NPDES Form Date: July 2012

**Where to File the NOT Form**

Completed NOT forms must be sent to the US EPA Region 5 Office:

U.S. EPA Region 5  
Water Division  
NPDES Programs Branch  
General Permit ILG62 NOT  
77 West Jackson Blvd.  
Mail Code WN16J  
Chicago, IL 60604

Provide the permittee's mailing address, telephone number, cell phone number, and e-mail address, if applicable. Subsequent correspondence for the NOT will be sent to this address.

**Section III. Certification Information**

All NOTs must be signed by the permittee as follows:

*For an individual who owns and operates the treatment system:* By the owner/operator.

**Completing the Form**

To complete this form, type or print uppercase letters, in the appropriate areas only. Please place each character between the marks (abbreviate if necessary to stay within the number of characters allowed for each item). Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response.

If you have any questions regarding this form please visit <http://www.epa.gov/r5water/npdestek/smallsystem.htm>. Submit original document with original signature in ink. Do not send a photocopied signature.

**Section I. Permit Information**

The permit number is already entered. You do not need to provide any information for this section. Enter the permit tracking number, specify the reason for termination. If the permittee transfers ownership of the property to a new owner give the date of the transfer. Provide the following information for the new owner: name of the person, firm, public organization, or any other entity, address, and contact information (phone number(s) and email).

**Section II. Current Operator Information**

Provide the legal name of the person, firm, public organization, or any other entity that was authorized to discharge under the NPDES general permit for new and replacement surface discharging systems. The permittee is usually the owner or the operator of the treatment system. The permittee is required to sign the legal certification in Section III.

*For a corporation:* By a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

*For a partnership or sole proprietorship:* By a general partner or the proprietor, respectively; or

*For a municipality, state, federal, or other public agency:* By either a principal executive officer or ranking elected official. For purposes of this Part, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA). Include the name and title of the person signing the form and the date of signing. An unsigned or undated NOT form will not be considered eligible for permit coverage.

## **Appendix IV-Discharge Monitoring Report Form**

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## Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including strategies for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

## General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "Permit Number," and "Discharge Number" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "*no discharge*" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

## Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.



NAME

ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY LOCATION

MONITORING PERIOD

FROM

TO

NOTE: Read instructions before

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
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	SAMPLE										
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	SAMPLE										
	PERMIT REQUIREMENT										
	SAMPLE										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

AREA

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

## **Appendix V-Alternative Soil Groups**

[illegible]