

# NR 113 & 114 Updates

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# Background

- Septage Study Group first meeting in August 2017
- Goal to holistically discuss industry challenges
- Group representation included:
  - Industry leaders from across the state and different business models
  - Local governmental units,
  - “Sister Agencies” - DSPS, DOA, & DATCP
- Scope of Rule Revisions included
  - Septage Storage,
  - Clarify, Streamline, and Make Consistent



# Changes to Storage Requirements

- Minimal information with general references to additional requirements
- Provides minimal direction to staff and businesses looking for storage

**NR 113.12 Septage storage facilities.** (1) **LARGE EXISTING FACILITIES.** Existing in-ground or above-ground septage storage facilities constructed before September, 1987 and with a capacity of greater than 25,000 gallons shall be allowed as long as they meet the provisions of ch. NR 110, the department has accepted in writing the plans and specifications and the storage facility has received a specific WPDES permit. Storage facilities installed under ch. SPS 383 are allowed if the owner obtains a specific WPDES permit.

(2) **NEW LARGE FACILITIES.** No person may construct any septage storage facility, which singly or when added together, provides capacity equal to or greater than 25,000 gallons without first obtaining department plan and specification approval. All storage facilities shall be designed in accordance with the appropriate requirements of ch. NR 110. No storage facility with a capacity equal to or greater than 25,000 gallons may operate until a specific WPDES permit is issued and an inspection and adequacy of sealing report is submitted and accepted by the department.

(3) **SMALL FACILITIES.** New or existing septage storage facilities with a capacity of less than 25,000 gallons are allowed if they have been approved under ch. SPS 383 or 384 or meet the standards in ch. NR 110 and the department is notified of their use through form 3400-137, revised in July 1988.

**Note:** There is no intent to issue WPDES permits to all small storage facilities although the department reserves the ability to do so on a case basis in the event it is determined necessary to protect public health or the environment.

(4) **OTHER STORAGE FACILITIES.** Septage may be stored at sites such as, but not limited to, manure storage facilities and sludge storage lagoons. The mixture resulting from any combination of septage and domestic wastewater sludge will all be classified as domestic sludge and its use or disposal will be governed by ch. NR 204. Septage may not be stored in manure storage facilities if the storage facilities are located under a building where animals are housed. Prior to use of a combined septage and other wastes facility, the department shall review an operations report for the facility.

ity. The facility may be used to store septage upon approval by the department. This report shall include at a minimum:

- (a) The location of the storage facility;
- (b) The type and volume of the storage facility including construction and sealing details;
- (c) Sufficient site characteristics information to evaluate the environmental impact and suitability of such waste storage;
- (d) The name and address of the owner of the storage facility;
- (e) Any contractual arrangements involved;
- (f) The type and composition of any wastes other than septage to be stored at the facility;
- (g) Annual sampling and analysis of the combined wastes in accordance with requirements in the permit;
- (h) The methods to be used for landspreading the septage or septage mixture; and
- (i) If septage makes up 10% or more of the mixture in the storage facility or if there are 25,000 gallons or more of septage in the mixture, a certification statement that the entire contents of the storage facility shall be landspread in accordance with this chapter.

(5) **EXTENDED STORAGE.** No person may store a batch of septage for longer than 2 years.

(6) **DEPARTMENT REQUIREMENTS.** The department shall satisfy the time requirements for all permits and plan approvals in s. NR 108.03.

**History:** Cr. Register, September, 1996, No. 489, eff. 1-1-97; correction in (1) and (3) made under s. 13.92 (4) (b) 7., Stats., Register January 2012 No. 673; correction in (3) made under s. 13.92 (4) (b) 7., Stats., Register January 2018 No. 745.

**NR 113.13 Suspension and revocation.** Any licensed



# Changes to Storage Requirements

- Steps through requirements for permitting and plan review
- Provides for various situations of size, location, type, etc.

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| <p>4. Lime purchase receipts if surface spreading with alkaline stabilization is the selected method for meeting the pathogen and vector attraction reduction requirements.</p> <p>5. Actual annual hydraulic and nitrogen application rates shall be retained.</p> <p>6. All servicing records (log book or invoice records) shall be kept on file and available for inspection for a period of 5 years.</p> <p>7. The written certifications of daily logs and invoice system shall include any of the following, as applicable:</p> <p>a. For a business that land applies septage for disposal purposes, the pathogen and vector attraction reduction certification statement shall read as follows: "I certify, under penalty of law, that the information that will be used to determine compliance with the pathogen requirements under [insert either s. NR 113.07 (3) (d) 1, a, or NR 113.07 (3) (d) 1, b] and the vector attraction reduction requirement under [insert s. NR 113.07 (3) (e) 1, NR 113.07 (3) (e) 2, or NR 113.07 (3) (e) 3], has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification."</p> <p>Note: A business may insert multiple references to pathogen and vector attraction requirements within the written certification statement correlating to the business operation.</p> <p>b. For a business that does not land apply, a written certification is not required.</p> <p>8. A signed and dated certification statement shall be included with each day's logs and records. This requirement may be satisfied by including annual signed and dated certification statements with all daily logs and annual year-to-date loading summaries.</p> <p>9. Daily logs, other records, and additionally required information may be maintained in electronic format by the business and shall meet the requirements of this chapter.</p> <p>History: CR Register, September, 1996, No. 489, eff. 1-1-97, am. (1) (b)(2), (b) and (1, 3, 5, remain (3) (d) to (3) (d) (3), (3) (e) 1, and (3) (e) 3), to be (3) (d) 1, a, or (3) (d) (b) and (3) 5, Register, January, 1999, No. 517, eff. 2-1-99, CR 20-846 am. (1) (b)(2), (b), (3) (e) 1, (3) (e) 3, am. (3) (d) (b) 1, am. (3) (d) (b) 2, am. (3) (d) (b) 3, am. (3) (d) (b) 4, am. (3) (d) (b) 5, am. (3) (d) (b) 6, am. (3) (d) (b) 7, am. (3) (d) (b) 8, am. (3) (d) (b) 9, am. (3) (d) (b) 10, am. (3) (d) (b) 11, am. (3) (d) (b) 12, am. (3) (d) (b) 13, am. (3) (d) (b) 14, am. (3) (d) (b) 15, am. (3) (d) (b) 16, am. (3) (d) (b) 17, am. (3) (d) (b) 18, am. (3) (d) (b) 19, am. (3) (d) (b) 20, am. (3) (d) (b) 21, am. (3) (d) (b) 22, am. (3) (d) (b) 23, am. (3) (d) (b) 24, am. (3) (d) (b) 25, am. (3) (d) (b) 26, am. (3) (d) (b) 27, am. (3) (d) (b) 28, am. (3) (d) (b) 29, am. (3) (d) (b) 30, am. (3) (d) (b) 31, am. (3) (d) (b) 32, am. (3) (d) (b) 33, am. (3) (d) (b) 34, am. (3) (d) (b) 35, am. (3) (d) (b) 36, am. (3) (d) (b) 37, am. (3) (d) (b) 38, am. (3) (d) (b) 39, am. (3) (d) (b) 40, am. (3) (d) (b) 41, am. (3) (d) (b) 42, am. (3) (d) (b) 43, am. (3) (d) (b) 44, am. (3) (d) (b) 45, am. (3) (d) (b) 46, am. (3) (d) (b) 47, am. (3) (d) (b) 48, am. (3) (d) (b) 49, am. (3) (d) (b) 50, am. (3) (d) (b) 51, am. (3) (d) (b) 52, am. (3) (d) (b) 53, am. (3) (d) (b) 54, am. (3) (d) (b) 55, am. (3) (d) (b) 56, am. (3) (d) (b) 57, am. (3) (d) (b) 58, am. (3) (d) (b) 59, am. (3) (d) (b) 60, am. (3) (d) (b) 61, am. (3) (d) (b) 62, am. (3) (d) (b) 63, am. (3) (d) (b) 64, am. (3) (d) (b) 65, am. (3) (d) (b) 66, am. (3) (d) (b) 67, am. (3) (d) (b) 68, am. (3) (d) (b) 69, am. (3) (d) (b) 70, am. (3) (d) (b) 71, am. (3) (d) (b) 72, am. (3) (d) (b) 73, am. (3) (d) (b) 74, am. (3) (d) (b) 75, am. (3) (d) (b) 76, am. (3) (d) (b) 77, am. (3) (d) (b) 78, eff. 10-1-21, correction to (3) (a) 1, made under s. 38.17, Stats., Register September 2021 No. 789.</p> | <p>(d) A department approved spill plan under sub. (7) (a).</p> <p>(e) Department approved spill plan under sub. (7) (a).</p> <p>(f) Department approved spill plan under sub. (7) (a).</p> <p>(g) Department approved spill plan under sub. (7) (a).</p> <p>(h) Department approved spill plan under sub. (7) (a).</p> <p>(i) Department approved spill plan under sub. (7) (a).</p> <p>(j) Department approved spill plan under sub. (7) (a).</p> <p>(k) Department approved spill plan under sub. (7) (a).</p> <p>(l) Department approved spill plan under sub. (7) (a).</p> <p>(m) Department approved spill plan under sub. (7) (a).</p> <p>(n) Department approved spill plan under sub. (7) (a).</p> <p>(o) Department approved spill plan under sub. (7) (a).</p> <p>(p) Department approved spill plan under sub. (7) (a).</p> <p>(q) Department approved spill plan under sub. (7) (a).</p> <p>(r) Department approved spill plan under sub. (7) (a).</p> <p>(s) Department approved spill plan under sub. (7) (a).</p> <p>(t) Department approved spill plan under sub. (7) (a).</p> <p>(u) Department approved spill plan under sub. (7) (a).</p> <p>(v) Department approved spill plan under sub. (7) (a).</p> <p>(w) Department approved spill plan under sub. (7) (a).</p> <p>(x) Department approved spill plan under sub. (7) (a).</p> <p>(y) Department approved spill plan under sub. (7) (a).</p> <p>(z) Department approved spill plan under sub. (7) (a).</p> | <p>(d) Exemptions from ch. NR 110 for septage storage facilities constructed after October 1, 2021. The department may issue exemptions from the design and substantial requirements of ch. NR 110 for a septage storage facility constructed after October 1, 2021, when the new septage storage facility meets all of the following:</p> <p>1. The proposed septage storage facility added together with the septage storage facilities located on the same parcel possesses a maximum capacity of 50,000 gallons or less.</p> <p>Note: The following provides an example. At parcel X, there are septage storage facilities A and B. The capacity of A is 20,000 gallons. The capacity of B is 20,000 gallons. After the effective date of this rule, a new septage storage facility C is proposed. C has a maximum capacity of 10,000 gallons or less in order to be exempted from the design and substantial requirements of ch. NR 110.</p> <p>2. The proposed septage storage facility includes only tanks approved under ch. SPS 384.</p> <p>3. All storage tank installations comply with the applicable sections of the DSPS holding tank component manual that is in effect at the time of installation and ch. SPS 384.</p> <p>4. The exemption application to the department shall include all of the following:</p> <p>a. A completed application providing facts adequately describing the facility as may be required by the department.</p> <p>b. A septage storage plan index and cover sheet that is properly signed, dated and properly labeled with page numbers. The index and cover sheet shall be included with the submitted by a designer of engineering systems—plumbing, designer of engineering systems—private sewage systems, master plumber, master plumber restricted service, or professional engineer.</p> <p>c. A copy of the tank DSPS tank approval letter.</p> <p>d. The DSPS approved tank plans and specifications.</p> <p>e. A set of plans and specifications that provide design and layout and clearly indicate existing and proposed tank locations, buildings and building uses, driveways, property boundaries, wells, waterbodies, slopes, driveways, supplementary equipment such as screens, filters, refuse receptacles, receiving station, land uses in the vicinity, and any other relevant information as deemed necessary by the department. The north arrow shall be included for orientation. The drawing shall be drawn to scale and indicate the scale. If using an index sheet, the index sheet shall indicate each page and page number, total number of pages, the name of the submitter, the submitter's signature, and the date of submittal. Each additional page shall be clearly numbered.</p> <p>f. A design report that includes plans and specifications for all septage storage facilities. The design report shall show calculations used to design the septage storage facilities. The report shall show proof that the designer considered factors relevant in preparing the plans and specifications. Factors include all of the following: volume of septage, types of septage, screens for debris, degree of extent of mixing, any line addition and mixing for meeting vector attraction reduction, sediment removal, odor controls, pumps for removal, and other factors necessary to provide an adequate description of the storage facility. The design report shall be included with the submitted by a designer of engineering systems—plumbing, designer of engineering systems—private sewage systems, master plumber, master plumber restricted service, or professional engineer.</p> <p>g. A statement from the owner that indicates the tank is not for private onsite water treatment system that discharges to the waters of the state.</p> <p>(e) Delegation of review authority. The department may not delegate review authority for septage storage facilities to counties or other local governmental entities.</p> <p>Note: See s. 281.41 and 281.48, Stats., and s. NR 113.10. Governmental units are unable to receive approval of private onsite water treatment systems under s. 145.20, Stats., or private onsite water treatment systems under s. 145.20, Stats., for septage storage or septage storage that is not defined as a private onsite water treatment system under s. NR 145.01 (12).</p> | <p>(f) Proposed only storage tanks.</p> <p>a. The existing manure storage facility shall adhere to all applicable design standards and material requirements under U.S. department of agriculture, natural resources conservation service, code 313, NRCS standard 313, dated May 2016, or equivalent. The owner or operator of the manure storage facility shall collect records from the county land and water conservation department and submit those documents to the department for review and acceptance.</p> <p>Note: Copies of NRCS Standard 313, May 2016 are available for inspection in the offices of the department of natural resources, the legislative reference bureau, and U.S. department of agriculture, natural resources conservation service, NRCS 313 can be downloaded at the following link: <a href="https://www.nrcs.usda.gov/pa/NRCS/Conservation/standards/313/standard313.pdf">https://www.nrcs.usda.gov/pa/NRCS/Conservation/standards/313/standard313.pdf</a></p> <p>b. The owner or operator of the manure storage facility shall provide evidence to the department that the addition of septage to the manure storage structure is not contrary to county manure storage structure requirements and that enough acreage exists for compliance with county land and water conservation department requirements.</p> <p>c. The manure storage facility shall provide a copy of an inspection report to the department under sub. (6) (d).</p> <p>5. The septage storage shall adhere to the requirements under ch. NR 110.</p> <p>6. The department may allow exemptions from the ch. NR 110 design standards and materials requirements under par. (b).</p> <p>7. The separation distances shall meet the requirements under sub. (4).</p> <p>8. The owner or operator of the manure storage facility shall provide the department an operations report for review and acceptance to show the septage and manure mixture is protective of public health and the environment. The operations report shall include all of the following:</p> <p>a. The location of the facility.</p> <p>b. The type and volume of the storage facility including construction and sealing details.</p> <p>c. Sufficient site characteristics information to evaluate the environmental impact and suitability of the waste storage.</p> <p>d. The name and address of the owner and operator of the storage facility.</p> <p>e. Any contractual arrangements involved.</p> <p>f. The type and composition of any wastes other than septage to be stored at the facility.</p> <p>g. Sampling and analysis results of the combined waste in accordance with requirements of a WPDES permit or as required to provide nutrient analysis to comply with management planning requirements under ch. ATCP 50.</p> <p>h. The methods to be used for land application of the septage-manure mixture.</p> <p>9. The owner or operator of the septage-manure storage facility shall determine the volume of septage to be placed into the manure storage facility and a calculation of the percentage of septage to manure. Upon determination, the following requirements apply:</p> <p>1. Septage makes up 10 percent or more of the septage-manure mixture in the storage facility, or if there are greater than 50,000 gallons of septage in the septage-manure mixture, then the facility owner or operator shall submit a certification statement and corresponding documentation that the facility owner or operator land applies the entire contents of the storage facility in accordance with this chapter.</p> <p>2. If septage makes up less than 10 percent of the mixture in the storage facility and there are 50,000 gallons or less of septage in the mixture storage facility, the septage shall be treated with lime or alkali prior to mixing with the manure to meet pathogen control and vector attraction reduction requirements of this chapter.</p> <p>(g) Exemptions from septage and manure storage design and material requirements.</p> <p>a. The storage unit is owned and operated by a licensed septage business.</p> <p>b. When singly or when added together, the septage storage capacity is less than or equal to 550,000 gallons.</p> <p>c. The septage storage facility submits plans and specifications to the department in conformance with sub. (3) and receives department conditional approval or conditional acceptance.</p> <p>d. The septage storage facility complies with all other applicable requirements of sub. (3).</p> <p>3. A WPDES permit is not required for septage-manure storage facilities when all of the following occur:</p> <p>a. Septage makes up less than 10 percent of the septage-manure mixture in the septage facility and there are 50,000 gallons or less of septage in the septage-manure storage facility.</p> <p>b. The septage is treated with lime or alkali prior to mixing with manure to meet pathogen control and vector attraction reduction requirements under s. NR 113.07 (3) (d) and (e).</p> <p>c. The department provides in writing that a WPDES permit is not required to the applicant.</p> <p>(6) INSPECTIONS, INSPECTION REPORTS, FREQUENCY (A) Construction inspection and report. During construction of a septage storage facility a qualified person shall observe and review the installation. Upon completion, the qualified person shall develop and submit a construction inspection report to the department verifying the storage facility was installed according to the plans and specifications conditionally approved by the department under sub. (2) (a). The construction report shall indicate any deviations from the plans and specifications and include information relating to any difficulties experienced during construction. When deviations from plans and specifications occurred or difficulties were experienced, the report shall include an evaluation by the qualified designer or engineer as to the impacts upon the integrity of the storage facility and address any deficiencies. The report shall be approved by the department prior to any use of the septage storage facility. The reevaluation inspection shall include an in-depth inspection of the multiple components of the septage storage facility including piping, valves, tank integrity, foundation, receiving facilities, and mixing facilities. If the facility is a lagoon, the lagoon shall comply with the sealing requirements under s. NR 110.24. The findings of the reevaluation inspection shall be compiled into a report. The report shall be submitted to the department. The report shall contain information establishing the qualifications of the inspector to adequately evaluate the integrity of the storage facility.</p> <p>(B) Reevaluation inspection and report. 1. The owner or operator of a septage storage facility shall complete a reevaluation inspection once every 10 years.</p> <p>2. The owner or operator of each septage storage facility shall have the septage storage facility reevaluated by a qualified person. The reevaluation inspection shall include an in-depth inspection of the multiple components of the septage storage facility including piping, valves, tank integrity, foundation, receiving facilities, and mixing facilities. If the facility is a lagoon, the lagoon shall comply with the sealing requirements under s. NR 110.24. The findings of the reevaluation inspection shall be compiled into a report. The report shall be submitted to the department. The report shall contain information establishing the qualifications of the inspector to adequately evaluate the integrity of the storage facility.</p> <p>3. The owner or operator of the septage storage facility shall report in writing to the department any deficiencies and identify plans and timelines to correct the deficiencies and notify by a reevaluation inspection under this paragraph. A qualified inspector shall verify that deficiencies have been corrected and communicate that information to the department in writing. The owner or operator shall submit a certification statement and corresponding documentation that the facility owner or operator land applies the entire contents of the storage facility in accordance with this chapter.</p> <p>4. The owner or operator of the septage storage facility shall provide regular and timely communication to the department until the septage storage facility is remedied or permanently abandoned.</p> <p>2. A WPDES permit facilities when all of the following occur:</p> <p>(c) Maintenance inspections and reporting. 1. The owner or operator of the septage storage facility, or another person authorized to inspect the septage storage facility that is designated by the department.</p> | <p>1. Operations shall be conducted in a manner that does not cause a nuisance or health hazard.</p> <p>2. Discharge valves on tanks, piping and other equipment shall be watertight, capped when not in use, and constructed and located so as to minimize any accidental spills.</p> <p>3. Hoses and piping, when not in actual use, shall be stored so as to prevent leakage or dripping of septage.</p> <p>4. To minimize unsanitary conditions, solid waste receptacles shall be used and serviced when equipment including screening, lime-mixing, and other equipment are used.</p> <p>(c) Recontaining and reporting information. The owner or operator of the septage storage facility shall conform to all of the following:</p> <p>1. General: a. Daily logs shall describe all daily activities pertaining to discharging into or out of the septage storage facility. Daily logs shall provide a clear description of daily activities.</p> <p>b. Land application records shall include pathogen control and vector attraction reduction requirements, including daily records of testing results, durations, and completion times under ss. NR 113.07 and 113.11.</p> <p>c. Originals of the daily log sheets and other records including influent logs shall be maintained by the septage storage facility for a minimum of 5 years and made available upon department inspection.</p> <p>2. Influent logs: The septage storage facility shall record each load of septage hauled into the septage storage facility in daily logs, and include all of the following:</p> <p>a. Pick-up or service date and time.</p> <p>b. Waste type and quantity.</p> <p>c. Septage servicing location and owner.</p> <p>d. Other information as specified under s. NR 113.11 (3) (c).</p> <p>3. Daily discharge logs: The septage storage facility shall maintain a daily discharge log of wastes removed from the septage storage facility. The daily discharge logs shall include all of the following information, if applicable:</p> <p>a. Department approved site number.</p> <p>b. Type of waste applied to approved sites.</p> <p>c. The number of acres applied at each approved site.</p> <p>d. Gallons of waste applied to approved sites.</p> <p>e. Application method approved under ch. NR 113.</p> <p>f. Methods, description of those methods, and results of how pathogen control requirements are met under s. NR 113.07 (3).</p> <p>g. Methods, descriptions of those methods, and results of how vector attraction reduction requirements are met under s. NR 113.07 (3).</p> <p>h. WPDES permitted facility name and number or name and permit number of treatment facility if hauled out of state.</p> <p>i. Gallons discharged at WPDES permitted facility.</p> <p>j. Date and time of discharge.</p> <p>k. Certification statement consistent with s. NR 113.07 (3).</p> <p>l. Tracking of segregated septage wastes: If the septage storage facility possesses the ability to separate different types of septage waste, the facility shall track and differentiate the different septage wastes individually.</p> <p>5. Annual reporting: The total quantity of waste applied to any site, discharged at treatment facilities or stored at storage facilities shall be reported on annual reports under s. NR 113.11.</p> <p>6. Outfall assignment: The department may assign an identification number to different parts or entities of the septage storage facility and may require the septage storage facility to report discharge volumes for the septage storage facility.</p> <p>(d) Management plan. The owner or operator of a septage storage facility shall prepare and submit for approval to the department a management plan for each septage storage facility. Each management plan shall meet all of the following requirements:</p> <p>1. The management plan shall provide performance and demonstrating compliance with this chapter. Following approval, the septage storage facility shall be operated in accordance with the management plan. The owner or operator of the septage storage facility shall conform to all of the following:</p> <p>a. Information on any pretreatment.</p> <p>b. Site identification on plan and soil.</p> <p>c. Aerial photographs, if available.</p> <p>d. Description of all site limitations, age and removal, availability of storage and spreading vehicle, load and rest schedules.</p> <p>e. Contingency plans for periods of pathogen control, vector reduction, and other pertinent information.</p> <p>2. The operation and management plan and land application activities shall be in compliance with the department approval. The management plan shall be consistent with this chapter. A copy of the management plan shall be retained by the owner and operator and the department inspection.</p> <p>3. The method utilized to discharge waste shall include:</p> <p>a. The type of wastes to be land applied.</p> <p>b. The record keeping system for sept removed from the storage units.</p> <p>d. The description of how septage will be removed from the storage units.</p> <p>f. The methods and description of equipment to be used to land apply the storage facility contents.</p> <p>g. A description of procedures for regularly inspecting and maintaining each storage unit.</p> <p>h. The method to be used to track application and loading rates to ensure septage is not overapplied.</p> <p>i. Procedures describing the storage facility operation and maintenance during inclement weather.</p> <p>j. A tracking of procedures and equipment available to monitor and control emergency events such as a large spill.</p> <p>k. A description of the notification method and procedures that the owner or operator will use to submit to the department notifying the department 7 days prior to land application events. The department may waive the 7-day notification requirement when regular or ongoing land application events are proposed and details of the regular or ongoing land application events are included in the management plan.</p> <p>l. Notification procedures in case of spills or emergency situations.</p> <p>m. A description of the methods utilized to comply with pathogen and vector control requirements.</p> | <p>n. Land application site information summaries providing acreage secured for land application and the process to secure additional acreage as needed.</p> <p>o. A description of steps the owner or operator will take to ensure that sites remain litter free, including any screening processes, litter removal from sites, and litter disposal.</p> <p>p. A listing and description of any approved variances under s. NR 113.15 (4) and the circumstances in which the variances are used.</p> <p>q. Additional information as required by the department relating to the operation of the facility and disposal of wastes.</p> <p>(e) Free board. Free board for lagoons shall be 3 feet from the top of the lagoon to prevent overflowing. For all other storage structures except those approved under sub. (3) (d) 2, the septage storage facility shall maintain no less than 18 inches of free board from the top of the walls to prevent overflowing the septage storage facility.</p> <p>Note: Septage storage structures approved under sub. (3) (d) 2, include DSPS approved tanks. DSPS approved tanks are constructed by use and have different free board.</p> <p>(f) Grease, screenings, and other waste. Any bulky or non-organic waste that is removed from the septage storage facility during the cleanup or maintenance or any grit or screenings collected shall be properly disposed of at a licensed landfill. The landfill shall be licensed under ch. NR 900 s. 538.</p> <p>(g) Abandonment. In the event of abandonment of a septage storage facility, the owner of the septage storage facility shall be responsible for all abandonment procedures. Six months prior to abandoning the septage storage facility, the owner shall submit an abandonment plan and schedule of abandonment to the department for its review and approval. The abandonment plan shall be in compliance with local, state, and federal rules and regulations. The owner within 12 months of the plan approval shall complete the abandonment.</p> <p>(8) DIVERSIFICATION REQUIREMENTS. As required under s. 281.41 (1) (b), Stats., within 90 days from the time of receipt of complete plans, the department or its authorized representative shall examine and take action to approve, approve conditionally, or reject the plans and shall state in writing the department's determination of any conditions of approval or reasons for rejection and issue that determination to the applicant.</p> <p>History: CR Register, September, 1996, No. 489, eff. 1-1-97, correction to (1) (b) and (1) (b) 1, to be (1) (b) (1) (b) 1, Stats., Register January, 1999, No. 517, eff. 2-1-99, CR 20-846 am. (1) (b) 1, am. (1) (b) 2, am. (1) (b) 3, am. (1) (b) 4, am. (1) (b) 5, am. (1) (b) 6, am. (1) (b) 7, am. (1) (b) 8, am. (1) (b) 9, am. (1) (b) 10, am. (1) (b) 11, am. (1) (b) 12, am. (1) (b) 13, am. (1) (b) 14, am. (1) (b) 15, am. (1) (b) 16, am. (1) (b) 17, am. (1) (b) 18, am. (1) (b) 19, am. (1) (b) 20, am. (1) (b) 21, am. (1) (b) 22, am. (1) (b) 23, am. (1) (b) 24, am. (1) (b) 25, am. 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# Changes to Storage Requirements

- Increased Thresholds
  - Plan & Spec
    - From 25,000 to 50,000 gallons for NR 110 plan review (PE Stamp, other)
    - <50,000 gallons can be designed to DSPS OR NR 110 standards
  - WPDES Permitting
    - From 25,000 to 550,000 gallons
    - Explicit permit requirements
- Requirements for existing tanks
- Facility Inspection Requirements
- Management Plans for Operation

▲ **Storage of Domestic Septage (WI-0066435-01)**

This permit is applicable to large septage storage facilities (25,000 gallons or more) that land apply domestic septage on department approved sites or hauls the domestic septage to other permitted facilities approved for domestic septage storage and/or treatment.

- [Fact Sheet \[PDF\]](#)
- [Notice of Intent \(Request for Coverage\) \[PDF\]](#)
- [Permit \[PDF\]](#)
- [Notice of Final Determination \[PDF\]](#)
- [Septage Land Management Plan template \[PDF\]](#)

[dnr.wisconsin.gov/topic/Wastewater/GeneralPermits.html](http://dnr.wisconsin.gov/topic/Wastewater/GeneralPermits.html)



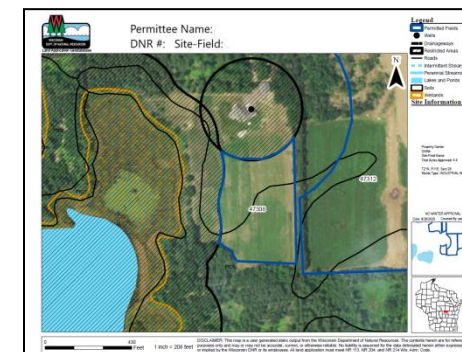
# Changes to Other Requirements

- Improved flexibility for daily operations
  - Certification statement for Grade L and Grade T businesses
  - Increased weekly application rates on specific verified soil types
  - Operators in Training certification can be re-registered after 5 years of expiration
- Equipment and lettering changes
  - Exclusively pump portable restrooms and discharge to treatment works
    - No caps if 2 valves, alternative sticker location, report total gallons per location
  - Truck lettering “displayed” on at least one side



# Changes to Other Requirements

- Clarification of certain sections of requirements
  - Servicing rules for non-septage waste
  - Servicing islands and campgrounds
  - Emergency and winter servicing requirements
  - Land application operations
    - pH measurements when adding lime
    - Site evaluations – soils vs nutrients testing
    - High use field application rates



# Transparency of Requirements

- Overlap of work with other State Agencies

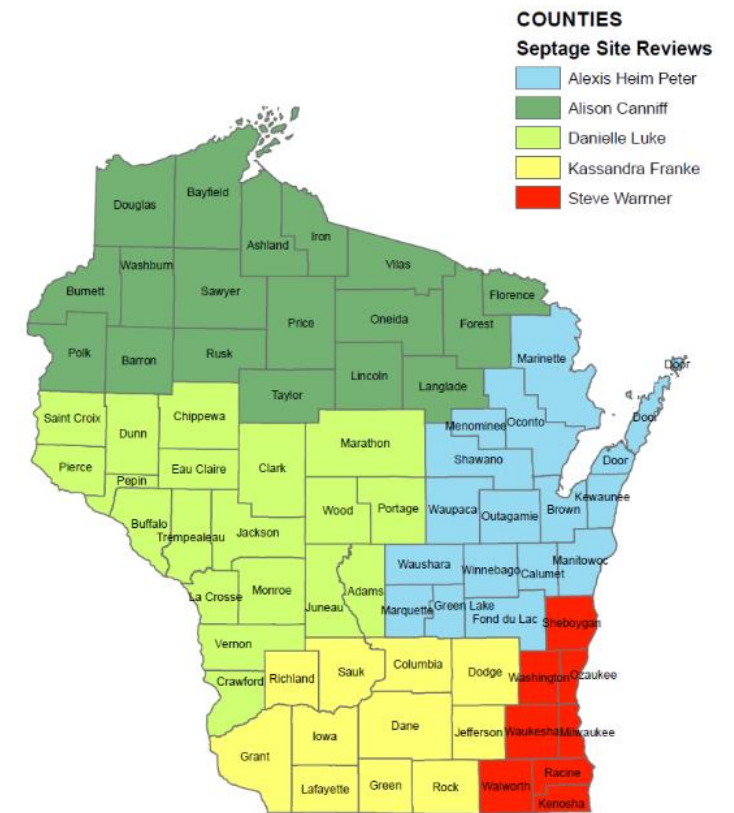


- Issuing and renewing licenses and certifications
- Owed taxes or child support
- Storage of septage at dairy operations
- Campground servicing requirements



# Closing

- This is not an exhaustive list of all changes
- Development tools outside of Code changes
  - Sandy Site Variance process
  - General Permit for large storage
- Up to date copies of code language:
  - NR 113 - [https://docs.legis.wisconsin.gov/code/admin\\_code/nr/100/113.pdf](https://docs.legis.wisconsin.gov/code/admin_code/nr/100/113.pdf)
  - NR 114 - [https://docs.legis.wisconsin.gov/code/admin\\_code/nr/100/114.pdf](https://docs.legis.wisconsin.gov/code/admin_code/nr/100/114.pdf)
- Department continues to work on rolling out changes



**Contact your regional coordinator with questions!**



# CONNECT WITH US

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DNR Wastewater Specialist**

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"WILD WISCONSIN:  
OFF THE RECORD"

