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**Adirondack
Park Agency**

**MINIMUM REQUIREMENTS
FOR ENGINEERING PLANS
FOR
ON-SITE WASTEWATER
TREATMENT SYSTEMS**

Overview: Engineering design plans for on-site wastewater treatment systems(s) (OSWTs) submitted to the Adirondack Park Agency as part of an application for a permit, settlement agreement, or pursuant to a permit condition must be of construction level quality and meet the following minimum requirements.

Format

1. Engineering plans should be provided electronically in PDF or similar format and must be fully scalable.
2. The cover sheet must include the APA project number, applicant's name, sheet index, legend of symbols, and engineers name, address, signature, date of signature, and seal. If a cover sheet is not provided, then this information should be provided on each sheet of the plan set.

Contents

1. **Vicinity Plan or Map:** A plan or map relating the project location to its environmental setting must be included on the cover sheet or, if no cover sheet is provided, on the first page of the plan set. The plan or map should be at a minimum scale of 1:24,000.
2. **Site Plan Contents:** The site plan should be drawn to a scale of between 1 inches = 10 feet and 1 inches = 50 feet and contain the following information:
 - a) Map scale;
 - b) North arrow;
 - c) Dwelling;
 - d) On-site well;
 - e) Neighboring wells within 200 feet of the proposed absorption field;
 - f) Driveway;
 - g) Dwelling sewer;
 - h) Septic tank;
 - i) Pump station (if applicable);
 - j) Dosing siphon (if applicable);
 - k) Distribution box;
 - l) OSWTS absorption system and reserve area for 100% replacement of the absorption system;
 - m) Property lines;
 - n)) Deep hole test pit (DHTP) location and results;
 - o) Percolation test location and results;
 - p) Streams (intermittent and permanent);

- q) Wetlands as identified by Agency staff or qualified professional;
- r) Mean high water mark of navigable streams, lakes, and ponds;
- s) Areas of bed rock outcrops; and
- t) Survey benchmarks.

3. **Engineering Report/Basis of Design:** The basis of design for the on-site wastewater treatment system must be shown on the plans in an appropriately titled section or provided in a separate engineering report. All calculations regarding the design of all on-site wastewater treatment system components must be provided.
4. **Hydraulic Profile/Topography:** Site topography should be indicated on the site plans by contours at intervals of no more than two feet. The requirement for site topography may be waived depending upon the location of the dwelling with respect to the on-site wastewater treatment system and type of system employed. In general, site topography and/or a hydraulic profile through the system will be required.
5. **Details/Cross Sections:** A detail for each system component must be provided. This includes septic tank, distribution box, pump station, or dosing siphon. A section view and longitudinal view must be provided for an absorption trench or shallow absorption trench. A section view must be provided for an absorption bed or any other type of absorption system.
6. **Material and Construction Specifications:** Complete material and construction specification must be clearly provided for all on-site wastewater treatment system components. Sufficient detail must be provided to enable a contractor to know what materials are required and how they are to be installed/constructed. This can be done using the details/cross sections previously discussed, by listing them on a section of the plans, or both. Specifications may also be provided in a separate document.