



## PSDS PERMIT APPLICATION CHECKLIST

**A COMPLETE SITE EVALUATION REPORT, AS PER THE 2021 ALBERTA PRIVATE SEWAGE SYSTEMS STANDARD OF PRACTICE (SOP) PART 7 SITE EVALUATION, IS REQUIRED WITH THE PERMIT APPLICATION. THE FOLLOWING DOCUMENTS ARE TO BE INCLUDED WITH YOUR COMPLETE SITE EVALUATION REPORT.**

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### TREATMENT FIELD, MOUND, OR LFH AT-GRADE SYSTEMS

- Wastewater strength projected for the development.
- Peak flow volume calculations for the development including confirmation plumbing fixture unit total is not exceeded.
- Site plan – as per current SOP Section 7.1 Site Characteristics and Evaluation Procedures including placement of system with setbacks noted for property lines, buildings, water sources/courses, description of surface features including slope and landscape, location of at least two (2) soil profile investigation locations in the area of the soil-based treatment system, etc.
- The characteristics of each soil profile investigated shall be described using Canadian System of Soil Classification nomenclature and includes complete site specific soil profile logs for at least two (2) locations, soil sample results of the most limiting condition, GPS coordinates of each soil profile with permanent benchmark, depth of each horizon identified, soil Colour (Munsell Nomenclature), soil texture, structure and grade, depth to most limiting condition, restrictive layer (if applicable), etc.
- Description of treatment system including a system diagram, piping to tank details, initial treatment (septic tank/ treatment plant), piping to and throughout final soil treatment component.
- Soil based treatment system design calculations, including pressure distribution system – if applicable.
- Tank certification information – CAN/CSA-B66 certificate or equivalent
- Package sewage treatment plant – treatment capacity, equipment structural requirements and certification (if applicable).
- Pump, if required by design. Manufacturer and pump curve to ensure flow capacity.
- High level alarm make/model.
- Filter type.

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### HOLDING TANK

- Expected wastewater volume/day including tank storage capacity, bedroom count – current and proposed.
- Site plan showing placement of system with setbacks noted for property, buildings and water source.
- Tank certification information – CAN/CSA-B66 certificate or equivalent
- High level alarm make/model

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### OPEN DISCHARGE SYSTEM

- Peak flow volume calculations for the development including confirmation plumbing fixture unit total is not exceeded.
- Site plan – as per current SOP Section 7.1 Site Characteristics and Evaluation Procedures including placement of system with setbacks noted for property lines, buildings, water sources/courses, description of surface features including slope and landscape, location of at least one (1) soil profile investigation location in the area of the soil-based treatment system, etc.
- The characteristics of each soil profile investigated shall be described using Canadian System of Soil Classification nomenclature and includes complete site specific soil profile logs for at least one (1) location, soil sample results of the most limiting condition, GPS coordinates of each soil profile with permanent benchmark, depth of each horizon identified, soil Colour (Munsell Nomenclature), soil texture, structure and grade, depth to most limiting condition, restrictive layer (if applicable), etc.
- Description of treatment system including a system diagram, piping to tank details, Septic Tank, piping to and throughout final soil treatment component.
- Tank certification information – CAN/CSA B66 certificate or equivalent
- Pump, if required by design. Manufacturer and pump curve to ensure flow capacity
- High level alarm make/model
- Filter type.