IOWA | Iowa Department of Natural Resources

Commercial Septic Tank Cleaner (CSTC) Inspection Checklist
Vehicles, Records, and Land Application

CSTC Company/Owner Information

CSTC Business Name: _____ CSTC License Number: _____

CSTC Contact Name: _____ County: _____

Inspections are intended to ensure that the requirements of 567 IAC Chapter 68 are followed and the environmental impact of pumping and land applying septage are minimized. The Inspector (Contractor) shall annually review records of commercial septic tank cleaners (CSTCs) and inspect the equipment and disposal sites for compliance with 567 IAC Chapter 68. The Inspector shall annually provide a report that identifies the CSTC, the land application site(s), the date inspected, and all identified deficiencies. The report shall include the date the deficiency was corrected and the corrective action that was implemented. CSTCs that have uncorrected deficiencies will not be eligible for license reissuance. **The report shall be delivered to DNR annually no later than April 15.**

Standards for commercial cleaning of PSDSs and toilet units (vehicles, tanks equipment, and miscellaneous). [68.6]

- ☐ Y ☐ N CSTCs shall prevent the dripping, falling, spilling, leaking, or discharging of septage or waste onto roads, rights-of-way, or other public properties. Has hose and disinfectant?
- ☐ Y ☐ N CSTCs shall provide the equipment necessary for proper cleaning of private sewage disposal systems (PSDSs) or toilet units.
- ☐ Y ☐ N CSTCs shall install pumps and associated piping with watertight connections to prevent leakage.
- ☐ Y ☐ N CSTCs shall ensure equipment can easily be cleaned and is maintained in an essentially rust-free and sanitary condition.
- ☐ Y ☐ N If septage is to be land-applied, provide a mechanism for properly mixing lime with the septage or a means to incorporate or inject the septage.
- ☐ Y ☐ N CSTCs shall prominently display the license number and name of the CSTC or toilet unit cleaner on the side of all vehicles or tanks in letters and numbers at least three inches high.
- ☐ Y ☐ N Tanks or equipment shall not be used for hauling hazardous or toxic wastes, or haul wastes detrimental to land application or wastewater treatment plants. Ask if they haul anything other than septage.
- ☐ Y ☐ N CSTCs shall ensure any storage facilities for septage are watertight and used for septage only. [From contract]
- ☐ Y ☐ N Publicly-owned treatment works (POTW) designated as disposal sites shall be contacted to ensure they allow disposal of septage from the licensee. (From contract)

Records. Records shall be maintained for five years and shall be made readily available upon request by an administrative authority. [68.4(1)"c"]

- ☐ Y ☐ N Location of all cleaned PSDSs or toilet units.
- ☐ Y ☐ N Method of septage or waste disposal.
- ☐ Y ☐ N Volume of septage or waste disposed of for each trip.

Proceed to page two if this CTSC business land applies septage.

Notes:

County Inspector Name | County Inspector Signature | Date

☐ Y ☐ N Does this CSTC business land apply septage? (If No, skip this page.)

Land Application Records. When septage is applied to land, the person who applies the septage shall develop the following information and shall retain the information for five years. [68.7(2)"b"(5)]

☐ Y ☐ N The location, by either street address or latitude and longitude, of each septage application site.

☐ Y ☐ N The number of acres and precise application area in each septage application site.

☐ Y ☐ N The gallons of septage applied to each site for each application.

☐ Y ☐ N The rate, in gallons per acre, of septage application at each site.

☐ Y ☐ N The total gallons of septage applied at each site to date for the year.

☐ Y ☐ N The date and time of septage application at each site.

☐ Y ☐ N A description of how the Vector Attraction Reduction (VAR) requirements are met (injection, incorporation, or stabilization).

Standards for septage and waste disposal and land application rate [68.7(1), 68.7(2)"a"(3), and 68.7(2)"b"(1)]

☐ Y ☐ N Waste from toilet units or holding tanks shall not be land applied.

☐ Y ☐ N Septage shall be stabilized by adding and thoroughly mixing sufficient lime to produce a mixture with a pH of 12.

☐ Y ☐ N A minimum of 30 minutes of contact time shall be provided after mixing the lime with the septage prior to discharging to the landfill.

☐ Y ☐ N The maximum application rate is 30,000 gallons per acre of cropland per year.

☐ Y ☐ N The nitrogen application rate shall be no more than is utilized by the crop.

☐ Y ☐ N A crop capable of using the nitrogen applied must be grown and harvested from the site after application of the maximum annual allocation or, at a minimum, every third year.

☐ Y ☐ N Septage shall not be applied within 30 days prior to harvest or grazing of the site. Additional food crop, animal feed, and fiber crop restrictions in 68.7(2)"b"(3) shall be met.

Land Application of Site Restrictions, separation distances and siting requirements. [68.7(2)"b"(2); Table I 60.2(2)"c"]

☐ Y ☐ N Septage shall not be applied 35 feet or less from a waterbody,

☐ Y ☐ N Septage shall not be applied within 750 feet of an Inhabitable residences, other inhabitable structures, or commercial buildings.

☐ Y ☐ N Septage shall not be applied within 500 feet of a well.

☐ Y ☐ N If sewage sludge or septage is land applied within 200 feet upgradient of a stream, lake, sinkhole, or tile line surface intake, it shall be injected or applied to the surface and mechanically incorporated into the soil within 48 hours of application unless otherwise approved by the DNR.

☐ Y ☐ N Septage shall not be applied within 50 feet of a below-ground level finished water storage facility.

☐ Y ☐ N Septage shall not be applied to land where there is a bedrock layer or seasonal high-water table within 3 feet of the soil surface.

☐ Y ☐ N The maximum slope of the application site shall not exceed 9% (5% for frozen ground and a rate of 2,500 gallons per acre per day).

Land application vector attraction reduction (VAR). One of the following VAR requirements shall be met when septage is land applied. [68.7(2)"b"(4)]

☐ Y ☐ N Septage may be injected below the surface of the land. No significant amount of septage shall be present on the land surface within one hour of septage injection.

☐ Y ☐ N Septage may be incorporated into the soil within six hours after application to or placement on the land.

☐ Y ☐ N Septage may be stabilized by adding and thoroughly mixing sufficient alkaline material (such as hydrated or quick lime) to produce a mixture with a pH of 12. Proved a minimum of 30 minutes of contact time after mixing the alkaline material with the septage prior to land application. Each container of treated septage shall be monitored for compliance by testing two representative samples taken a minimum of 30 minutes apart to verify that the pH remains at 12 or greater for the minimum 30-minute time period.