

Failure Information Sheet

System Type (circle one) Gravity, Pump to Gravity, PD, Mound, Sand Filter- _____ Sand Bed, Other _____

Underneath each box that is checked, fill out the information which applies

Septic Tank:
 Single _____ Double _____ Size (Volume) _____
 Outlet baffle in place Yes ___ No ___
 Filter baffle Yes ___ No ___
 Does tank have high water mark Yes ___ No ___
 Sludge and Scum levels ___/_____
 Outlet in relation to ground water _____
 Ground or Surface water Intrusion _____

Pump Tank:
 Sludge level _____
 Dose volume _____
 Timer settings On _____ Off _____ time
 Pump draw down _____
 DO level _____
 Ground or Surface water Intrusion _____

PD System: Age _____
 Is the effluent surfacing _____ where _____
 When was the system last in use _____
 Water use figures avg. daily flow _____ Peak _____
 Is pump tank lower or higher than DF _____
 Is the site sloping Yes ___ No ___
 Appropriate % slope _____
 Manifold fed from top or bottom _____
 Check valves on the manifold Yes ___ No ___
 Are all laterals failed Yes ___ No ___
 which laterals _____ (Attach drawing)
 Depth of drainfield _____ Depth of soil _____

Gravity DF: Age _____
 Is the effluent surfacing _____ where _____
 When was the system last in use _____
 Water use figures avg. daily flow _____ Peak _____
 Sloping or level site _____
 Serial distribution ___ Interconnected loop ___
 Equal distribution ___
 D-box condition _____
 Depth of drain field _____ Depth of Soil _____
 Vertical Separation _____ Water table _____
 Drain tiles Yes ___ No ___ condition _____
 Other _____ describe _____

Mound: Age _____
 Is the effluent surfacing _____ where _____
 When was the system last in use _____
 Water use figures avg. daily flow _____ Peak _____
 Sloping or level site _____
 Ground water on upper and lower edge of mound _____
 Is the bed level Yes ___ No ___ If no how far off end to end ___
 Is there a timer Yes ___ No ___ Settings _____
 Dose volume _____ Draw down on pump _____ How thick is the bio-mat _____
 Is the gravel black Yes ___ No ___ Is the mound ponding water Yes ___ No ___ Depth _____ Inspection Port

Subsurface Mound Yes ___ No ___
 Check for soil type _____

Sand Filter: Age _____
 Is the effluent surfacing _____ where _____ When was the system last in use _____
 Water use figures avg. daily flow _____ Peak _____
 Is there a timer Yes ___ No ___ Settings: "ON" time ___ min. ___ sec. "OFF" time ___ hours
 Dose volume _____
 Draw down on pump to sand filter _____
 Float levels in pump basin _____
 Is entire bed flooded Yes ___ No ___ Depth _____ Inspection Port
 How thick is the bio mat _____
 Is gravel black Yes ___ No ___
 Elevation of bed compared to ground water on out side of bed _____
 Sand quality _____ Sieve test results attached Yes ___ No ___
 Does the pump out run the return flow from the under drain Yes ___ No ___

Failure Information Sheet (cont.)

Adequate soil absorption areas available for repair? Yes _____ No _____

Soil depth and type determined by:

_____ Current soil logs (information attached)
_____ Other _____

_____ Sand based system with sealed bed → _____ Sieve analysis results attached

Waste Strength Analysis

Analysis was conducted because there is evidence of:

- _____ Excessive mass loading or effluent applied to soil at wrong soil application rate.
- _____ Clogged orifices
- _____ System abuse (e.g. septic tank not biologically operating as needed, clogged filter baffle, etc.)
- _____ Other _____
- _____ Laboratory results attached

Note:

Proper procedures should be used in collecting effluent samples to be analyzed by a certified laboratory. Ground water intrusion problems if present, should be corrected prior to collecting certain effluent samples.

Use of Aerobic Treatment Units (ATU's) to Repair/Recover Sand Based Systems

1. The repair proposal must identify the cause of the failure
2. ATU's do not replace the requirement for a sand based system
3. ATU's should not be proposed when the system has construction or design errors which cannot be corrected and these errors are the cause of the Failure
4. Ground and surface water issues must be addressed and corrected.
5. Water usage must be addressed in the repair proposal. Flows should not exceed the design capacity of the system.
6. ATU's can be helpful in dealing with high waste strengths such as recovering sealed beds when the cause of sealing is related to waste strength.
7. ATU's may not always be the best method to deal with a sealed bed.

COMMENTS / CONCLUSIONS REGARDING FAILURE

Failure linked to OSS performance:

Failure linked to OSS operation and maintenance:

PLOT PLAN – PROPOSED OSS REPAIR

PROPERTY ADDRESS: _____

PLOT PLAN CHECKLIST

	North Arrow Indicated	Plot Plan Shows Distances Between OSS and
	Dimensional Diagram or Draw to Scale (1:20 or 1:30)	Water Supply/Supplies
	Property Lines Shown	Water Lines(s)
	Plot Plan Includes All Known OSS Components and Components to be Installed	Property Lines
Other		Buildings
		Surface Water
		Seasonal Water
		Cuts/Banks
		Footing Drains, Interceptor Drains, Etc.

PLOT PLAN