Charlie Crist
Governor

Ana M. Viamonte Ros, M.D., M.P.H.
State Surgeon General

INTEROFFICE MEMORANDUM

INFORMATION
HSES 08-003

DATE: April 24, 2008

TO: Environmental Health and Engineering Directors

THROUGH: Lisa Conti, D.V.M., M.P.H., Dipl. ACVPM, CEHP
Director, Division of Environmental Health

FROM: Gerald Briggs, Chief, Bureau of Onsite Sewage Programs

SUBJECT: Maintenance and Monitoring Performance Based Treatment Systems

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There has been much confusion regarding maintenance and monitoring of Aerobic Treatment Units and Performance Based Treatment Systems.

The attached chart should help with the parameters to be monitored for and with the maintenance and monitoring frequencies.

Also there has been discussion regarding measuring ponding depth in a system using drip irrigation. This can be done by either taking a sample for $CBOD_5$ and TSS, or by visual inspection of the ground surface above the emitter lines for soil saturation.

If you have any questions regarding this please contact our office at 850-245-4070.

Attachment

INSPECTION AND MONITORING FOR ATU'S AND PBTS
64E-6 FAC Summary

PERFORMANCE STANDARDS	CONVENTIONAL SEPTIC SYSTEM	AEROBIC TREATMENT UNIT	> 1500 gpd AEROBIC TREATMENT UNIT	SECONDARY TREATMENT STANDARDS	ADVANCED SECONDARY TREATMENT STANDARDS	ADVANCED WASTEWATER TREATMENT STANDARDS	FLOIRDA KEYS TREATMENT STANDARDS	OTHER[6]
INSPECTION/ MAINTENANCE FREQUENCY	**Recommended every 3 to 5 years**	**1 x per year - CHD 2 x per year - ME**	**1 x per year -CHD 2 x per year -ME (Class D Operator)**	**1 x per year - CHD 2 x per year -ME**	**1 x per year - CHD 2 x per year - ME**	**1 x per year – CHD 2 x per year - ME**	**1 x per year – CHD 2 x per year – ME[5]**	**1 x per year – CHD 2 x per year – ME[5]**
MONITORING/SAMPLING (This is for all systems designed to meet the specified treatment standards)	**not applicable**	**not applicable**	**CBOD5 and TSS or Ponding Depth [1] and Fecal Coliforms Semi-annually**	**Specifications To Be Set By Design Engineer[4]**	**Specifications To Be Set By Design Engineer[4]**	**CBOD5 and TSS or Ponding Depth [1] Frequency varies[2]**	**Specifications To Be Set By Design Engineer[4]**	**Specifications To Be Set By Design Engineer[4]**
For Drainfield Reductions	**not applicable**	**not applicable**	**not applicable**	**Ponding Depth [1] Quarterly[3]**	**Ponding Depth [1] Quarterly[3]**	**Ponding Depth [1] Quarterly[3]**	**Ponding Depth [1] Quarterly[3]**	**Ponding Depth [1] Quarterly[3]**
For Reduced Setbacks and/or Increase Authorized Flows	**not applicable**	**not applicable**	**not applicable**	**Fecal Coliforms Semi Annually**	**TN, P and Fecal Coliforms Semi Annually**	**TN, P and Fecal Coliforms Frequency varies[2]**	**not applicable**	**not applicable**

NOTES:

1. Ponding depth cannot be measured in a drip irrigation system. You can either sample for CBOD5 and TSS or perform a visual inspection of the ground surface above the emitter lines for soil saturation.

2.Twice monthly for the first 6 months, if results are in compliance with applicable standards, then the frequency is reduced to quarterly, if 8 consecutive quarterly results are below the applicable standards, the frequency is reduced to twice per year. See Chapter 64E-6.029(1), FAC for more specific details.

3. If drainfield size reduction is the only benefit being utilized, then the only monitoring required is ponding depth on a quarterly basis.

4. Engineer cannot specify "Per Chapter 64E-6 FAC" as monitoring requirements.

5. If injection well is utilized, maintenance shall be performed once every 4 months.

6. These are other PBTS that are mandated by local county ordinances that do not meet any of the PBTS standards set forth in the rule.