AMPHIDROME® FACILITY REPORT

Plant & Location: Daniel Hand High School, Madison, CT

Details: 25,000 gpd flow. The plant is designed to meet secondary treatment standards and, in addition, to reduce total nitrogen to less than 10 mg/L.

Operating Experience: Although there were issues with this plant not meeting permit, FRMA worked closely with the operators and designers to address the issues. After a process change by FRMA and a new operator took over in 2006, the quality of the effluent from this facility is now meeting permit (except for one month with an equipment failure) for this very difficult flow and waste strength.

	BIOCHEMICAL OXYGEN DEMAND	TOTAL SUSPENDED SOLIDS	TOTAL NITROGEN
INFLUENT	174 mg./L.	137 mg./L.	90 mg./L.
EFFLUENT	9.5 mg./L.	8.2 mg./L.	6.8 mg./L.
PERMIT LIMIT	30 mg./L.	30 mg./L.	10 mg./L.

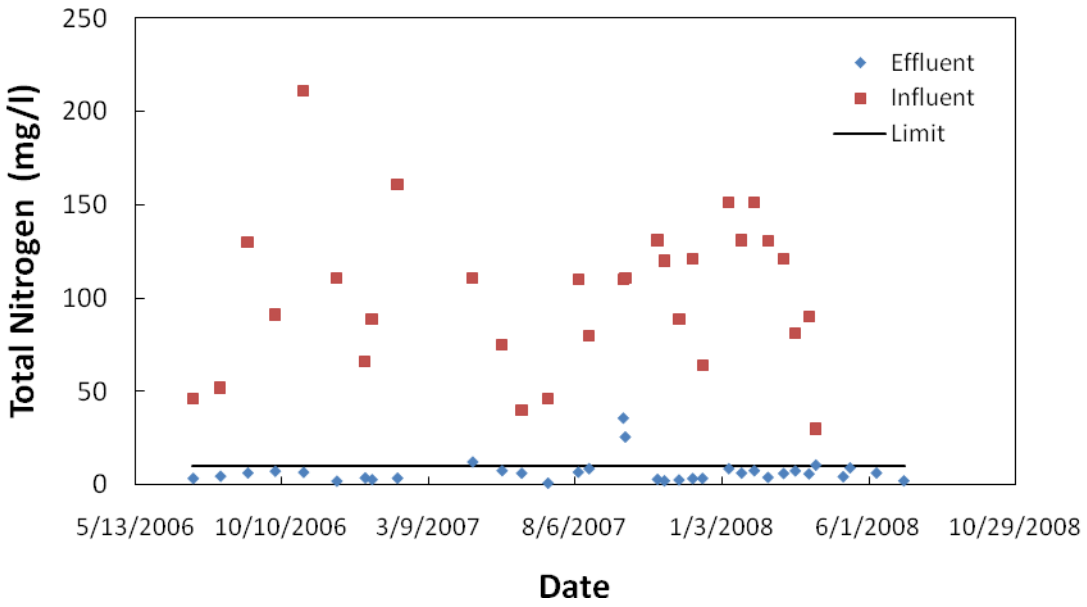

Figure 1. Influent and Effluent Total Nitrogen versus Time.

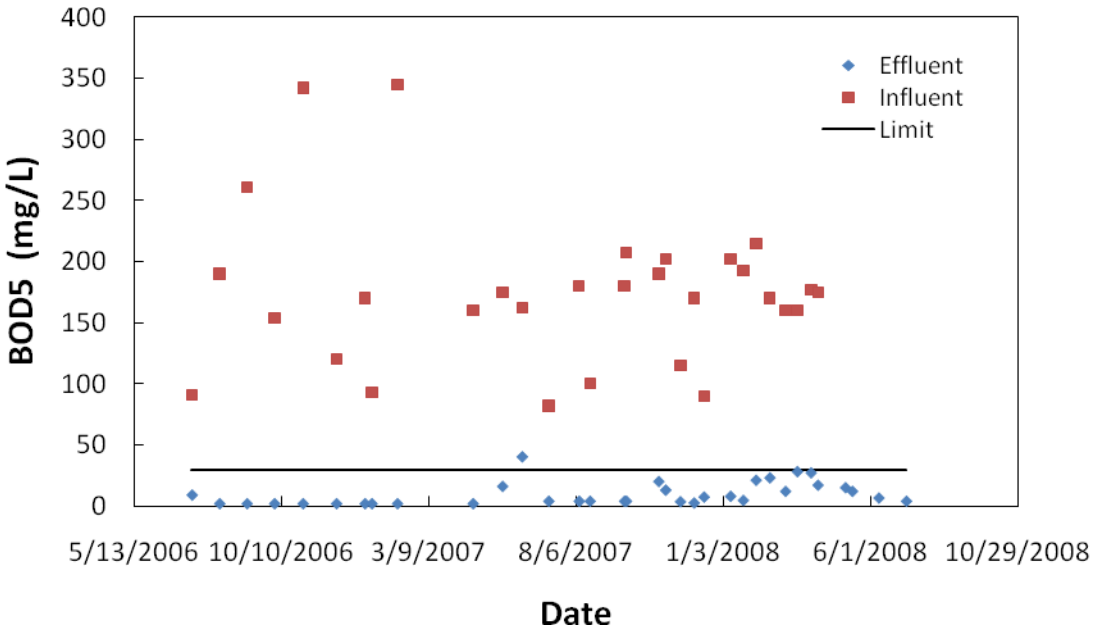

Figure 2. Influent and Effluent versus Time.