System Performance Data Sheet

Project: Pecos Monastery, NM

This System Performance Sheet records test results from effluent samples taken at key points throughout the wastewater treatment system.
In addition, here are some quick system facts and a legend for the wastewater characteristics. See the flow configuration below.

Quick Facts

Building / Facilities:	**Monastery**
Occupants:	
Start-up:	**7/14/2005**
Location:	**New Mexico**
Designer / Engineer:	**Sasha Earl**
Contractor / Installer:	**Pecos Trail Contractors**
Service Provider:	**EC Bassett Construction**
Regulating Authority:	**NMED**
Design Flows (gpd):	**8000 gpd**
Grease Tank (gal):	
Septic Tank (gal):	**20,000 gal**
Recirc. Tank (gal):	**10,000 gal Blend and 10,000 gal Recird**
Filter:	**4) AX100**
Disinfection:	
System Configuration:	
Disposal Treatment System:	**Geoflow Drip**
# of Samples:	**6**
Average Loading Rate (gpd/ft2):	
Notes:	

Legend

BOD5: Biochemical Oxygen Demand (*5 day, uninhibited*)
cBOD5: Carbonaceous Biochemical Oxygen Demand (*5 day, inhibited*)
TSS: Total Suspended Solids
TKN: Total Kjeldahl-Nitrogen (*Organic and Ammonia Nitrogen*)
NH3-n: Ammonia-Nitrogen
NO2-n: Nitrite-Nitrogen
NO3-n: Nitrate-Nitrogen
TN: Total Nitrogen = (TKN) + (NO3-n) + (NO2-n)
DO: Dissolved Oxygen
pH: Measure of acidity, 7 is neutral. Wastewater w/value <6 or >9 are difficult to treat biologically
Alk: Alkalinity
TP: Total Phosphorus
G&O: Grease and Oil
FC: Fecal Coliform
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Bold

			Septic Tank Effluent													
			cBOD5	TSS	TURB	TKN	NH3	NO2	NO3	TN	pH	Temp	G&O	Alk	TP	FC
			mg/L	*mg/L*	*NTU*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*		*celcius*	*mg/L*	*mg/L*	*mg/L*	*mpn/100ml*
Sample Date	Test Type	GPD														
10/17/2005																
1/6/2006																
3/16/2006																
6/30/2006																
10/10/2006																
5/3/2007																
Average		**#DIV/0!**														

	AdvanTex Effluent														
BOD5	TSS	TURB	TKN	NH3	NO2	NO3	TN	DO	pH	Temp	G&O	Alk	TP	FC
mg/L	*mg/L*	*NTU*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/l*		*celcius*	*mg/L*	*mg/L*	*mg/L*	*mpn/100ml*
7.8	8		5.3			2.17					5			
4.6	16		0.2			1.99					5			
5.2	8		4.2			0.84					5			
8.4	4		5.3			3.22					5			
4	9		2.9			0.96					5			
10.5	7		4.9			2.3					5			
7	**9**		**4**			**2**					**5**			