

Total Suspended Solids (TSS)
EPA method 160.2 (Gravimetric dried at 103-105°C)
ANS Room 214: Soils Lab

SAMPLES	DISH WEIGHT (g)	INITIAL WEIGHT (g)	IN	FINAL WEIGHT (g)	OUT	TSS (%)
1. Scrapelot Sample						
SCT#1	50	120.4	11:14AM	73.6	10:38AM	34%
SCT#2	50	125.5		76.9		36%
SCT#3	50	134.4		79.6		35%
2. Pre-settling basin sample						
PRESTT#1	50	143.8	11:36AM	56.1	10:40AM	7%
PRESTT#2	37	160.4		42		4%
PRESTT#3	50	177.9		57.3		6%
3. Post-settling basin sample						
POSTSTT#1	37	151.2	11:40AM	38.1	10:42AM	1%
POSTSTT#2	36.9	159.2		38.8		2%
POSTSTT#3	50	172		53.1		3%
4. Drylot sample						
DRY#1	50	76	11:20AM	73.6	8:15PM	91%
DRY#2	36.9	62.9		60.8		92%
DRY#3	50	81.7		79.4		93%
5. Drylot fresh manure sample						
DFM#1	35.1	93	11:25AM	45.4	10:34AM	18%
DFM#2	50	103.1		58.6		16%
DFM#3	50	99.7		58.4		17%
6. Compost sample						
COMPOST#1	50	104.2	12:36PM	85.7	10:32AM	66%
COMPOST#2	50	106.7		85.7		63%
COMPOST#3	50	103.3		82.2		60%

Calculations

$$\text{Total Solids, \%} = \frac{(A - B)}{(D - B)} \times 100\%$$

Where:

A = weight of dish + dry sample (in grams)

B = weight of dish (in grams)

D = weight of dish + wet sample (in grams)