

KIGFER

$$3 \times 115'$$

$$3 \quad 3/4" \text{ GCH 40 VALVES} = 3 \times 12.5 = 37.5 + 2 = 39.5$$

40 gpm

$$\text{TDH} = \text{PH} + \text{FH} + \text{EM}$$

$$\text{PH} = 2'$$

$$\text{EH} = 6' \text{ OF RISE} + 6' \text{ OF TANK} = 12'$$

$$\text{FL} = 3.03 \times 1.8 = 5.45' \times 1.2 = 6.5'$$

$$\text{TDH} = 2' + 12' + 6.5' = 20.5' \sim 21''$$

40 gpm @ 21' TDH

DOSE

$$345 \times .65 \times .66 = 148.$$

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: _____ Applicant: _____
 Address: _____
 Proposed Facility: _____ Design Flow (.1949): _____ Date Evaluated: _____
 Location of Site: _____ Property Size: _____
 Water Supply: Public Individual Well Spring Other
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process Mixed

Profile #	1940 Landscape Position/Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/Texture	1941 Consistence/Mineralogy	1942 Soil Wetness/Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	L	0-22	SL	MC GR NSMP					.4
		22-48	SC clay	SL FRM SBR SSSP	42				
2	L	0-20	SL	FR GR NSMP					.4
		20-48	SC clay	SL FRM SBR SSSP	42				

Description	Initial System	Repair System
Available Space (.1945)	/	/
System Type(s)	/	/
Site LTAR	.4	.4

Other Factors (.1946): _____
 Site Classification (.1948): _____
 Evaluated By: _____
 Others Present: _____

COMMENTS: _____

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	NS-NON-STICKY SS-SLIGHTLY STICKY S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6		
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3		
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE		SICL-SILTY CLAY LOAM			
FP-FLOOD PLAN	IV	SIC-SILTY CLAY	0.4 - 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE
 SG-SINGLE GRAIN
 M-MASSIVE
 CR-CRUMB
 GR-GRANULAR
 SBK-SUBANGULAR BLOCKY
 ABK-ANGULAR BLOCKY
 PL-PLATY
 PR-PRISMATIC

MINERALOGY
 SLIGHTLY EXPANSIVE
 EXPANSIVE

Show profile locations and other site features (dimensions, reference or benchmark, and North).



