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PHASE II SITE INVESTIGATION REPORT

TOWER STANDARD SERVICE
14267 HIGHWAY 70
LAC DU FLAMBEAU
BRRTS #003-64-127889

PECFA #54538-9517-67
REI #0903

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Table 4
Hydraulic Conductivity Calculations
Tower Standard Service
Lac Du Flambeau, WI

Soil Source: MW2 @ 10-12 feet bls

Hazen Method for Calculating Hydraulic Conductivity
(Fetter, 1994)

K = C(d10)^2

K is hydraulic conductivity (cm/s)
d10 is the effective grain size (cm)
C is a coefficient based on the following table

C ---->	90			
	0.008	cm		
d10 ---->	0.08	mm <------	From mechanical analysis graph.	
	1 cm/s =	2834.646	ft/day	
K ---->	0.00576	cm/s		
K ----->	**16.33**	**ft/day**		

Very fine sand, poorly sorted	40-80
Fine sand with appreciable fines	40-80
Medium sand, well sorted	80-120
Coarse sand, poorly sorted	80-120
Coarse sand, well sorted, clean	120-150

Note:
This method is applicable to sands where the effective grain size (d10) is between approximately 0.1 and 3.0 mm.

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