

**INFILTROMETER TESTING FOR BIRDSBORO PIPELINE PROJECT
TEST LOCATION LE6-4**



Job: Birdsboro Pipeline
Job No.: 216097.01
Date: 10/18/2017
Tested by: JY/LS
Weather: Overcast, 50-60s
Elevation:

Interval #	Field Data					
	Time		Inner Ring			
	Start (hh:mm)	End (hh:mm)	Start (in)	End (in)	Change (in)	
*	10:58 AM	11:28 AM	0.00	9.00	9.00	30 min Presoak
*	11:28 AM	11:58 AM	0.00	9.00	9.00	30 min Presoak
1	11:58 AM	12:08 PM	0.00	9.00	9.00	
2	12:08 PM	12:18 PM	0.00	9.00	9.00	
3	12:18 PM	12:28 PM	0.00	9.00	9.00	
4	12:28 PM	12:38 PM	0.00	9.00	9.00	
5						
6						
7						
8						

Constants		
Diameter of Inner Ring:	8.3	in
Diameter of Outer Ring:	12.3	in
Depth of Test =	4.0	ft

Equations	
Infiltration Rate (in/hr) =	Rate (in) / Time Interval (hr)
Time Interval (hr) =	[End Time - Start Time] x (1 hr/60 min)

1) The drop in the water level in the last 30 minutes of the presoak period should be applied to the following standard to determine the time interval between readings.

- * If water level drop is 2 inches or more, use 10-min. measurement intervals
- * If water level drop is less than 2 inches, use 30-min. measurement intervals
- 2) Field Measurements taken from the top elevation of ring to the observed water level.
- 3) Either the drop within center ring during the final period or the average stabilized rate* shall represent the infiltration rate for the test location.

*Stabilized Rate: A difference of 1/4 inch or less of drop in water elevation between the highest and lowest values of four (4) consecutive readings.

Final Period: 9.00 in
Average Stabilized Rate: 9.00 in
Time Interval: 0.167 hr

Did the readings stabilize: (Y or N)

Enter the interval number of the 4th consecutive reading.

Infiltration Rate: 54.00 in/hr