## **Pump Calibration Work Sheet**

What is the pumping rate of a lift station with the information below?

Wet Well Diameter Drawdown Time Drawdown Distance Refill Time Refill Distance	  	e.g 7" = * Conve	*Convert inches to ft. e.g 7" = .583ft * Convert min to sec e.g 2 min= 120sec	
P#1 Trial 1 DDT DDD RFT RFD	P#2 Trial 2/av/av/av/av/av/av		P#2 trial 2/av/av/av/av/av/av	
1. <b>Drawdown</b>	wdown Time Volume = .785 X	Refill Time	drical	
1a. Drawdown Formula-	Volume = L X V	VXH Rectangula	r	
This will get yo 7.48 gallons in a	u to Cubic Feet	swer in ft3 now convert Cubic	Feet to Gallons	
ft3 X ′	7.48=	gallons		

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2. Refill Volume = .785 X D X D X H Cylindrical 2a. Refill Volume = L X W X H Rectangular
Formula-
Answer in ft3  This will get you to Cubic Feet now convert Cubic Feet to Gallons 7.48 gallons in a cubic foot!
ft3 X 7.48= gallons
3. Pumping Rate=gallons +gallons
secondsseconds
Divide first before adding!
=gal/sec +gal/sec
= total gal/sec
WE now have to convert to gallons per minute to get the answer in correct units!
<b>Pumping Rate (Gallons per Minute)</b>
= gallons X 60 seconds
Seconds 1 min
Answer= Gal/min pumping rate
Answer= Gal/hr (gpm ans X 60 min)