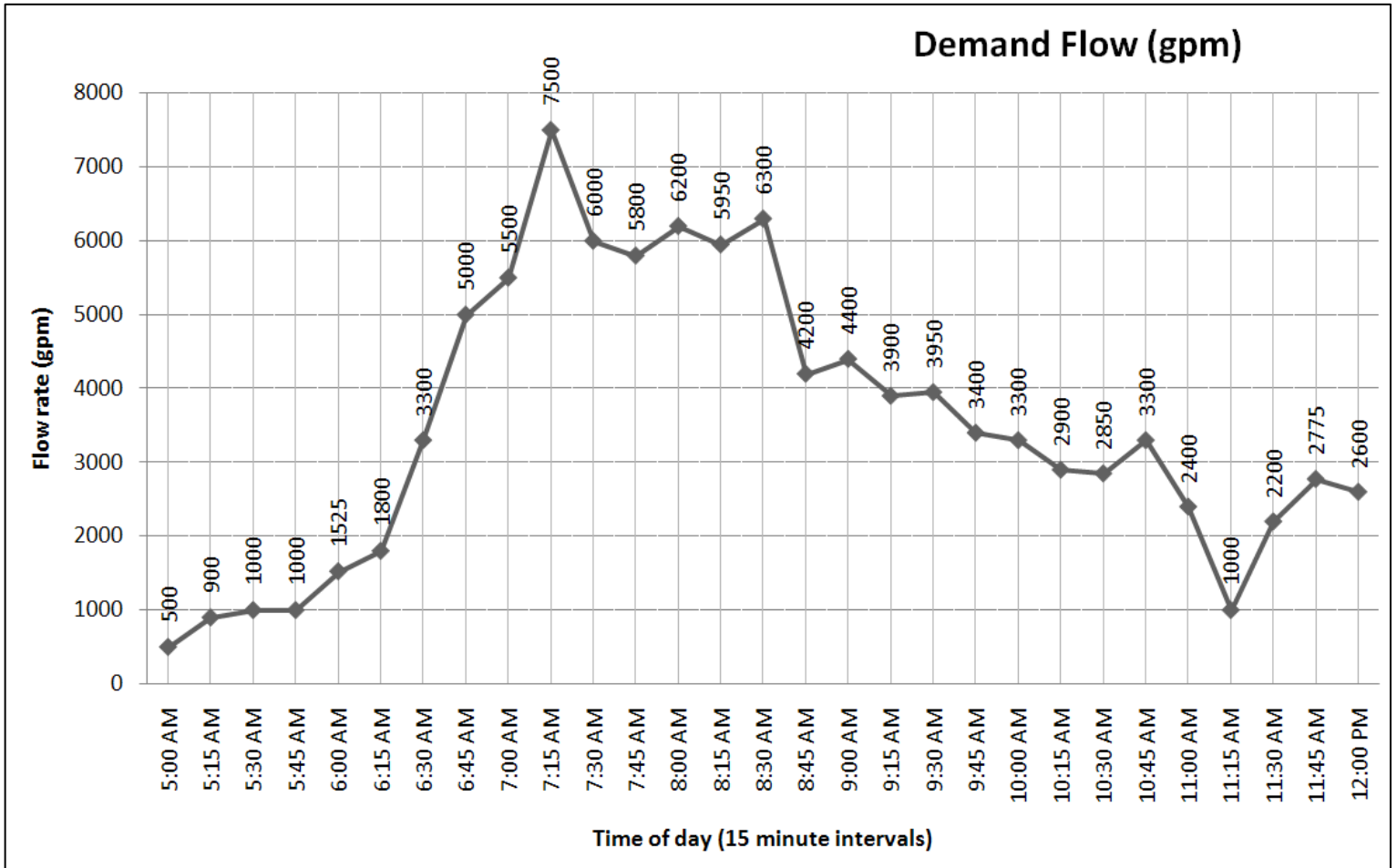


ESSENTIALS OF SURFACE WATER TREATMENT TRAINING

Exercise #4: Calculating Peak Hourly Demand Flow

Directions: Work as a group to determine what the peak hourly demand flow is based on the graph below.



Questions:

At what 1-hour interval did PHD occur? _____

What is the peak hourly demand flow (gpm)? _____

What was the peak instantaneous demand flow (gpm)? _____

Bonus questions:

Is it ok to use the peak instantaneous flow instead for calculating time T? _____

If so, what are the advantages/disadvantages? _____

Is it ok to use the average daily flow instead for calculating time T? _____

Why or why not? _____
