SYLLABUS FOR THE POST OF PLANT OPERATOR Swimming Pool Maintenance

Opening Yo	our Pool
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•	• 🗆 Clean, and remove the pool cover for futur	re storage
•	• □ Vacuum all pool areas	
•	• ☐ Clean surrounding pool area	
•	•	
•	• ☐ Adjust water level to recommended height	of 1" (25mm) per hour
•	• ☐ Evaluate of water chemistry PH levels, Alka	llinity, Calcium Hardness
•	• ☐ Brush pool bottom and sides to loosen dirt	then vacuum pool
•	□ Remove debris from basket and skimmer sy	ystem
•	• ☐ Check and lubricate fittings like o-rings, plu	gs
•	• ☐ Check tile and clean tiles plus skimmer by u	sing a cleanser
•	• \square If necessary, take pool water sample for ted	chnical analysis
•	• $\ \square$ Vacuum pool bottom and remove debris wi	th skimmer
•	• □ If necessary, backwash filter	
•	• □ Realign pool water PH with shock and stabil	izers
•	● □ Continue maintenance upkeep routine	
•	■ If necessary, add algaecide	

Weekly Pool Maintenance

• \square Use leaf scoop to remove debris on the bottom of your pool



•	☐ Feed the pool with chlorine or other sanitizer to satisfy its requirements either manually or automatically.				
	☐ Ensure the water level is correct for the pump system				
•	☐ Adjust pool chemical levels using test kits				
•	☐ Perform visual inspection of pool water to ensure color, clarity, and visible debris				
•	☐ Remove organic debris				
•	☐ Add pool shock to ensure pool does not turn green and remove contaminants				
•	☐ Adjust pool chemistry pH, alkalinity, calcium hardness				
	。 ☐ Only adjust pH levels once a week.				
	□ pH should range between 7.3 – 7.7 depending upon the pool finish. pH levels should be adjusted to increase or decrease until they are in the right levels.				
	 To increase pH levels use a pH increaser like sodium carbonate. To decrease pH levels use a pH decreaser like sodium bicarbonate. 				
•	☐ Test bromine and chlorine levels:				
	。 ☐ Free chlorine levels should range between 1-3 ppm				
	。 ☐ Free bromine levels should range between 3-5 ppm				
•	☐ Adjust Alkalinity levels				
•	☐ Adjust Stabilizer and Oxidizer levels				
•	• 🗖 Clean water line near tile				
•	☐ If necessary, backwash filter and check pressure				
•	☐ Adjust water level to recommended height of 1" (25mm) per hour				



•	□ If n	ecessary, adjust pool chemicals to prevent algae		
Mont	Monthly Pool Maintenance:			
•	☐ Tes	t pool chemistry make up		
•	□ Adj	ust for pH level and dissolved solid levels		
•	☐ Poo	ol alkalinity should range between 120-150 ppm		
•	☐ Add	d chemicals to the filter as needed		
•	☐ Per	form visual inspection of seals, tile, grout, as well as other pool areas		
•	☐ Cal	culate (LSI) Langlier Saturation Index as necessary		
•	☐ Eva	luate salt levels if you own a saltwater pool		
•	☐ Che	eck pool liner for tears or damage		
•	☐ Dep	pending on pool finish check for damage like cracks or leaks.		
•	• 🗆 Evaluate seals for pump and motor.			
•	■ Evaluate integrity of pool safety equipment. ■ Property of pool safety equipment.			
Closing a Pool:				
•	☐ Che	eck pool chemistry to evaluate levels		
	0	☐ pH should range between 7.3 – 7.7 depending upon the pool finish.		
	0	☐ Total Alkalinity: 80 – 120 parts per million (ppm)		
	0	☐ Calcium Hardness: 180 – 220 ppm		



•	☐ Run the filter for a minimum of 24 – 48 hours
•	☐ Remove external pool accessories like ladders, skimmers, or solar blankets
•	\square Lower pool water level to 6" (150mm) below the 1" (25mm) per hour level
•	☐ Drain all pumping, filtering, heating, and sanitizing equipment to prevent damage caused by freezing
•	☐ Lubricate any seals, rings, and plugs as well as springs to make spring maintenance easier
•	☐ Perform complete pool cleaning and inspection
•	☐ Clear water from any plug the lines using expansion plugs
•	☐ Winterizing by adding algaecide agent
	□ Use tight pool cover

