PRINCE WILLIAM COUNTY
Department of Development Services – Building Development Division

COMMERCIAL POOL AND SPA CIRCULATION DESIGN FORM

Version 2017_0227

PROJECT NAME_____

ADDRESS_____

Staff Use Only

BLD_____ - _____

Pool types (check all that apply): ☐ Main Pool ☐ Spa ☐ Wading Pool ☐ Other

Water: ☐ Public (municipal) ☐ Well (private)

Sewer: ☐ Public (municipal) ☐ Well (private)

PLEASE FILL OUT THE FOLLOWING INFORMATION THAT APPLIES:

Pool: Gallons _____ Flow Rate _____ GPM x 60 = _____GPH

Water Surface _____ Sq. ft. Turnover rate _____HRS

Skimmers _____ Flow per Skimmer _____GPM

Returns _____ Flow per Return _____GPM

Main Drains _____ Flow per Main Drain _____GPM

Total Dynamic Head _____

Gallons/ GPH = Turnover _____ /_____ = _____HRS

Spa: Gallons _____ Flow Rate _____ GPM x 60 = _____GPH

Water Surface _____ Sq. ft. Turnover rate _____HRS

Skimmers _____ Flow per Skimmer _____GPM

Returns _____ Flow per Return _____GPM

Main Drains _____ Flow per Main Drain _____GPM

Total Dynamic Head _____

Gallons/ GPH = Turnover _____ /_____ = _____HRS

Wading Pool: Gallons _____ Flow Rate _____ GPM x 60 = _____GPH

Water Surface _____ Sq. ft. Turnover rate _____HRS

Skimmers _____ Flow per Skimmer _____GPM

Returns _____ Flow per Return _____GPM

Main Drains _____ Flow per Main Drain _____GPM

Total Dynamic Head _____

Gallons/ GPH = Turnover _____ /_____ = _____HRS

Other: Gallons _____ Flow Rate _____ GPM x 60 = _____GPH

Water Surface _____ Sq. ft. Turnover rate _____HRS

Skimmers _____ Flow per Skimmer _____GPM

Returns _____ Flow per Return _____GPM

Main Drains _____ Flow per Main Drain _____GPM

Total Dynamic Head _____

Gallons/ GPH = Turnover _____ /_____ = _____HRS

Total water surface (sq.ft): MAIN + SPA + WADING + OTHER = _____ +_____ +_____+_____= _____

TOTAL BATHER LOAD = $\frac{\text{Total water surface (sq.ft)}}{27}$ = _____

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