APPENDIX D

Water and Wastewater Design Flow Calculations



 Project
 Dover Greens – Full Build
 Project #
 29273.00

 Location
 Dover, New York

 Calculated by
 CJO
 Date
 5/23/16

 Checked by
 MWJ
 Date
 5/23/16

Title Water and Wastewater Design Flow Calculations

Type of Use (NYSDEC)	Quantity	Unit	Gallons Per Day*	Total (gpd)
School Boarding	2,000	Per Student	75	150,000
School - Day	500	Per Student	15	7,500
Employee	500	Per Employee	15	7,500
Employee	156	Per Employee	15	2,340
Office Building	225	Per Employee	15	3,375
Day Care	75	Per Child	20	1,500
School - Day	210	Per Student	22	4,620
Employee	42	Per Employee	15	630
24- Hour Restaurant	588	Per Seat	50	29,400
	School Boarding School - Day Employee Employee Office Building Day Care School - Day Employee	(NYSDEC) Quantity School Boarding 2,000 School - Day 500 Employee 500 Employee 156 Office Building 225 Day Care 75 School - Day 210 Employee 42	(NYSDEC) Quantity Unit School Boarding 2,000 Per Student School - Day 500 Per Employee Employee 156 Per Employee Office Building 225 Per Employee Day Care 75 Per Child School - Day 210 Per Student Employee 42 Per Employee	(NYSDEC)QuantityUnitPer Day*School Boarding2,000Per Student75School - Day500Per Employee15Employee500Per Employee15Employee156Per Employee15Office Building225Per Employee15Day Care75Per Child20School - Day210Per Student22Employee42Per Employee15

^{*}Numbers based upon Section B.6.b "Design Flows" found in the NYSDEC Design Standards for Intermediate Sized Wastewater Treatment Systems



 Project
 Dover Greens – Phase 1
 Project #
 29273.00

 Location
 Dover, New York

 Calculated by
 CJO
 Date
 5/23/16

 Checked by
 MWJ
 Date
 5/23/16

Title Water and Wastewater Design Flow Calculations

Type of Use (NYSDEC)	Quantity	Unit	Gallons Per Day*	Total (gpd)
School Boarding	105	Per Student	75	7,875
School - Day	26	Per Student	15	390
Employee	50	Per Employee	15	750
Employee	68	Per Employee	15	1,020
Office Building	135	Per Employee	15	2,025
Day Care	20	Per Child	20	400
School - Day	20	Per Student	22	440
Employee	4	Per Employee	15	60
24- Hour Restaurant	588	Per Seat	50	29,400
	School Boarding School - Day Employee Employee Office Building Day Care School - Day Employee	(NYSDEC) Quantity School Boarding 105 School - Day 26 Employee 50 Employee 68 Office Building 135 Day Care 20 School - Day 20 Employee 4	(NYSDEC) Quantity Unit School Boarding 105 Per Student School - Day 26 Per Student Employee 50 Per Employee Employee 68 Per Employee Office Building 135 Per Employee Day Care 20 Per Child School - Day 20 Per Student Employee 4 Per Employee	(NYSDEC)QuantityUnitPer Day*School Boarding105Per Student75School - Day26Per Student15Employee50Per Employee15Employee68Per Employee15Office Building135Per Employee15Day Care20Per Child20School - Day20Per Student22Employee4Per Employee15

^{*}Numbers based upon Section B.6.b "Design Flows" found in the NYSDEC Design Standards for Intermediate
Sized Wastewater Treatment Systems