

Exhibit J.4

Maximum Irrigation Capacity Herndon Farms Preliminary Waer Bsalnce 010220								
Area or Soil Category	Area. Acres	Irrigation Capacity of Sprayfields				Prorated Net Precip - Evap on Storage (ac-ft/yr)	Maximum Net Wastewater Flow	
		in/wk	in/yr	ac-ft/yr	Average gal/day		Average gal/day	ac-ft/yr
We	9.83	0.49	25.42	20.82	18,577	1.34	17,385	19.49
We/He	8.53	0.30	15.34	10.98	9,796	0.70	9,168	10.28
He1	8.59	0.39	20.16	14.33	12,785	0.92	11,965	13.41
He2	4.25	0.06	3.07	2.20	1,959	0.14	1,834	2.06
Ri	2.06	0.03	1.31	1.31	840	0.08	1,098	1.23
Totals	26.95			49.65	43,957	3.18	41,449	46.46
Analysis Date	1/2/20					Required Wet Weather Storage for Maximum Net WW Flow:	0.68	Mgal
							16	Days

Maximum Irrigation Capacity Herndon Farms Water Balance Fill Only at 25"/YR

Area or Soil Category	Area. Acres	Irrigation Capacity of Sprayfields				Prorated Net Precip - Evap on Storage (ac-ft/yr)	Maximum Net Wastewater Flow	
		in/wk	in/yr	ac-ft/yr	Average gal/day		Average gal/day	ac-ft/yr
We	0	0.489	25.4214	0	0	0	0	0
We/He	0	0.295	15.3405	0	0	0	0	0
He1	0	0.388	20.1618	0	0	0	0	0
He2	0	0.059	3.0681	0	0	0	0	0
Ri	0	0.025	1.3149	0	0	0	0	0
Fill	25.00	0.48	25.01	52.10	46,479	3.18	43,639	48.92
Totals	25.00			52.10	46,479	3.18	43,639	48.92
Analysis Date	12/17/20					Required Wet Weather Storage for Maximum Net WW Flow:	0.11	Mgal
							3	Days

Maximum Irrigation Capacity Herndon Farms Water Balance Fill Only at 30"/YR

Area or Soil Category	Area. Acres	Irrigation Capacity of Sprayfields				Prorated Net Precip - Evap on Storage (ac-ft/yr)	Maximum Net Wastewater Flow	
		in/wk	in/yr	ac-ft/yr	Average gal/day		Average gal/day	ac-ft/yr
We	0	0.489	25.4214	0	0	0	0	0
We/He	0	0.295	15.3405	0	0	0	0	0
He1	0	0.388	20.1618	0	0	0	0	0
He2	0	0.059	3.0681	0	0	0	0	0
Ri	0	0.025	1.3149	0	0	0	0	0
Fill	25.00	0.58	30.01	62.51	55,766	3.18	52,925	59.33
Totals	25.00			62.51	55,766	3.18	52,925	59.33
Analysis Date	12/17/20					Required Wet Weather Storage for Maximum Net WW Flow:	0.11	Mgal
							2	Days

Water Balance used a wet weather storage surface area of 2 acres and irrigating on Fill only.