

Estimated Water Demand / Sewer Loading at Build-out

Job 25467.0001 - Port of St. Marys Industrial & Logistics Center

Revised 10/28/2008

Commercial (Conceptual Uses)

Development Type	Unit Contributory Loading	Total Units	Total Water Demand
Bank	150 gpd / 1,000 sf	0	0
Commercial	160 gpd / 1,000 sf	50,000	8,000
Department Store / Retail	50 gpd / 1,000 sf	0	0
Gas / Service Station	200 gpd / pump	0	0
Restaurant - 24 hr operation	50 gpd / seat	0	0
Office	150 gpd / 1,000 sf	50,000	7,500
Subtotal			15,500

Residential (guess at units, no plan exists)

Residential Dwelling Unit Type	Unit Contributory Loading	Total Units	Total Water Demand
One Bedroom Townhouse	150 gallons per day	0	0
Two Bedroom Townhouse, Single Family Detached or Multi-Family	200 gallons per day	0	0
Three Bedroom Townhouse, Single Family Detached or Multi-Family	300 gallons per day	0	0
Subtotals			0

Warehouse / Light Industrial

Total Building Square Footage	Square Footage Warehouse (95%)	Square Footage Office (5%)	Warehouse Water (use 10 gal/1,000 sf)	Office Water (use 200 gal/1,000 sf)	Total Water Demand
0	0	0	0	0	0
Subtotal					0

Heavy Industrial

Total Building Square Footage	Employee per Square Foot	Number of Employees	Gallons per Day per Employee	Total Water Demand
5,100,000	800	6,375	50	318,750
Subtotal				318,750

Total Estimated Water Demand at 100% Build-out, MGD 0.334

Total Estimated Sewer Loading at 100% Build-out, MGD 0.284