

DESIGN FLOW CALCULATION

Proposed Warehouse & Storage Building

Owner Contact

Project Location

VINELAND GROWERS PROPOSED ADDITION [NIAGARA ON-THE-LAKE]

For: Vineland Growers
Drawing No.: 231132.01.01

Scale: NTS
Date: 02-23, 2024

ARN: 262702001306400

Township Lots and Concessions: Niagara

ARN 262702001306400

Township Niagara

Street Number 795

Lot Lot 115

Street Name East

Concession

Full Street EAST LINE WEST

Full Text Niagara Township Lot 115

Municipality TOWN OF NIAGARA-ON-THE-LAKE

Warehouse Design Flow

5-water closets
31-loading bays

Total Daily Design Sanitary Sewage (TDDSS) Flow

Item Contributing to the TDDSS Flow	Quantity	Sewage Flow (L/day)
Proposed Employees		
Maximum 18 Employees (8 hr shift)	75 litres/employee/day	3750.0
		*Take the highest of the two methods for
Proposed Storage Building / Warehouse		
31-loading bays	150-litres/loading bay	4650.0
5-water closets	950-litres/water closet	4750.0
TOTAL		9400.0 litres/day

10.	Factory (excluding process or cleaning waters) - per employee per 8 hour shift	
	a) No showers, or	75
	b) Including showers	125
15.	Office Building ⁽³⁾	
	a) Per employee per 8 hour shift, or	75
	b) Per each 9.3 m ² of floor space	75
26.	Warehouse	
	a) Per water closet, and	950
	b) Per loading bay	150

⁽³⁾ Where multiple calculations of *sanitary sewage* volume is permitted, the calculation resulting in the highest flow shall be used in determining the design daily *sanitary sewage* flow.