



Project:
Razavi Yeast Company Expansion Project
PHASE IV - Step 1



Document Title:	Load List of Process Vessels	Rev.	Page
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No.	Tank Number	Medium	Material	Insulation		Tank				Load							Installation Info.			
				Type	Thick. (mm)	Tank Diameter (mm)	Total Height (mm)	Effective Height (mm)	Volume (m3)	Dead (N)	Live (N)	Dynamic	Seismic	Snow	Wind	Thermal Stress	Shock	Fatigue	Orientation	Standing on
01	03-T-155	Molasses Solution	1.4571	Hot	100	3,600	4,460	4,075	41.5	94,000	521,500	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	Skid, on 4 pedestals
02	05-T-164	Nitrogen Solution	1.4301	No	No	1,500	3,000	2,750	4.9	4,900	48,510	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	4 legs, on platform
03	05-T-174	Phosphate Solution	1.4301	No	No	1,500	3,000	2,750	4.9	5,100	53,900	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	4 legs, on platform
04	05-T-151	Soda Ash solution tank	1.4571	No	No	800	3,000	2,750	1.4	2,500	14,000	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	4 legs, on platform
05	05-T-191	Antifoam solution tank	1.4301	No	No	800	3,000	2,750	1.4	2,500	14,000	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	4 legs, on platform
06	07-T-115	Yeast Cream	1.4571	Cold	100	3,300	6,600	6,200	53.0	56,000	495,000	145,000***	*	N/A	*	Negligible	N/A		Vertical	4 legs, on 4 Pedestals
07	07-T-116	Yeast Cream	1.4571	Cold	100	3,300	6,600	6,200	53.0	56,000	495,000	145,500***	*	N/A	*	Negligible	N/A		Vertical	4 legs, on 4 Pedestals
08	10-T-120	Cleaning Agent	A512	Hot	100	3,400	6,600	6,200	56.3	125,000	560,000	Negligible	*	N/A	N/A	Negligible	N/A		Vertical	4 legs, on 4 Pedestals

Notes:
* Civil detail designer has to consider seismic factor
** Horizontal force at 7 meter level of moving fluid
*** Horizontal force at 5 meter level of moving fluid
**** Horizontal force at 3 meter level of moving fluid