

		PLANT WITHDRAWAL IMPACTS									
		Water Supplied by Intake Pumping Station (IPS)					Average Velocity for All Openings				
Number of Operating Units	Flow Condition	ERCW 8 Pumps Total		RCW 7 Pumps Total		Approx Combined IPS inflow for all systems	Gross area at traveling screen (concrete)	Gross area at traveling screen (screen panel)	Net open area at traveling screen (approx)	Gross area at face of trashrack	Net open area at trashrack (approx)
		Number of Operating Pumps	Approx Combined Flow of Pumps	Number of Operating Pumps	Approx Combined Flow of Pumps						
Two	Normal Max Flow*	4	106.1 cfs 47,600 gpm 68.5 mgd	6	68.2 cfs 30,600 gpm 44.1 mgd	174.30 cfs 78,200 gpm 112.60 mgd	0.48 fps	0.62 fps	1.20 fps	0.39 fps	0.46 fps

* Similar to flow as high as an accident condition

Pump station no. intake openings left side	2
Pump station no. ERCW pumps left side	4
Pump station no. RCW pumps left side	4
Pump station no. screen wash pumps left side	2
Pump station no. fire protection pumps left side	2
Pump station no. intake openings right side	2
Pump station no. ERCW pumps right side	4
Pump station no. RCW pumps right side	3
Pump station no. screen wash pumps left side	2
Pump station no. fire protection pumps left side	2
Width of each opening at traveling screen (concrete)	5.17 (ft)
Height of each opening (concrete)	17.5 (ft)
Gross area of each opening at traveling screen (concrete)	90.4 (ft²)
Width of traveling screen panel (approx)	4 (ft)
Height of traveling screen panels (approx)	2 (ft)
Width of panel circumferential supports (approx)	2 (in)
Percent of panel unobstructed by circumferential supports	76%
Screen openings	3/8" x 3/8"
Wire gage of screens	14
Diameter of screen wire	0.08 (in)
Percent open area thru screens (http://www.millerwireworks.com/A-Wtable.html)	67.9%
Gross area of each opening at traveling screen (screen tray)	70.0 (ft²)
Net open area of each opening at traveling screen (approx)	36.3 (ft²)
Width of face of each trashrack (face of outer vertical bars)	6.375 (ft)
No. vertical bars each trashrack	20
Width of each vertical trashrack bar	0.5 (in)
Total width of vertical bars each trashrack	10 (in)
Total net width of open area each trashrack	5.54 (ft)
Approx no. horizontal bars each trashrack	8
Width of each horizontal trashrack bar	0.5 (in)
Total width of horizontal bars each trashrack	4 (in)
Total net height of open area each trashrack	17.17 (ft)
Percent open area thru each trashrack (approx)	85%
Gross area of each opening at face of trashrack	111.56 (ft²)
Net open area of each opening at trashrack (approx)	95.13 (ft²)