

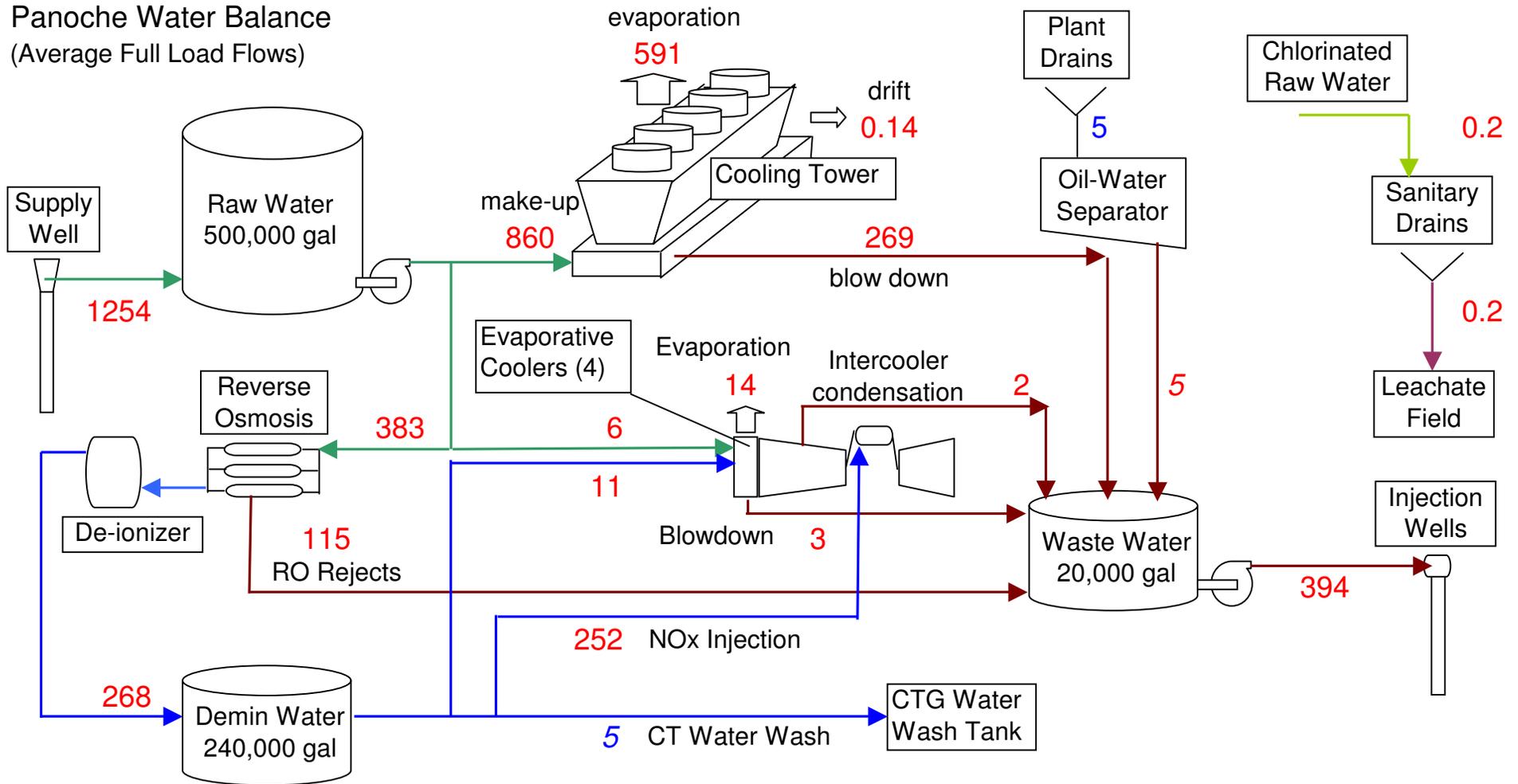
WATER BALANCE

Panoche Water Balance Summary

Flow Stream	Maximum Daily 1000 gal/day	Average Daily 1000 gal/day	Average Annual acre-ft/yr
Deep Well			
Cooling Tower Makeup	1,646	1,238	792
Demineralizer System	590	552	353
Evap Cooler Makeup	37	8	5
Plant Service Water	7	7	5
Total	2,280	1,805	1,154
Waste Water Injection Well			
Cooling Tower Blowdown	514	387	247
RO System Rejects	177	165	106
Evap Cooler Blowdown	19	4	3
Plant Drains	7	7	5
Intercooler Condensation	48	3	2
Total	765	567	362
Potable Water Well			
Zero process use	0.375	0.250	0.280

Note: Annual values based on 5000 hrs/year
 Evenly divided to each month
 This corresponds to a 57.1% capacity factor

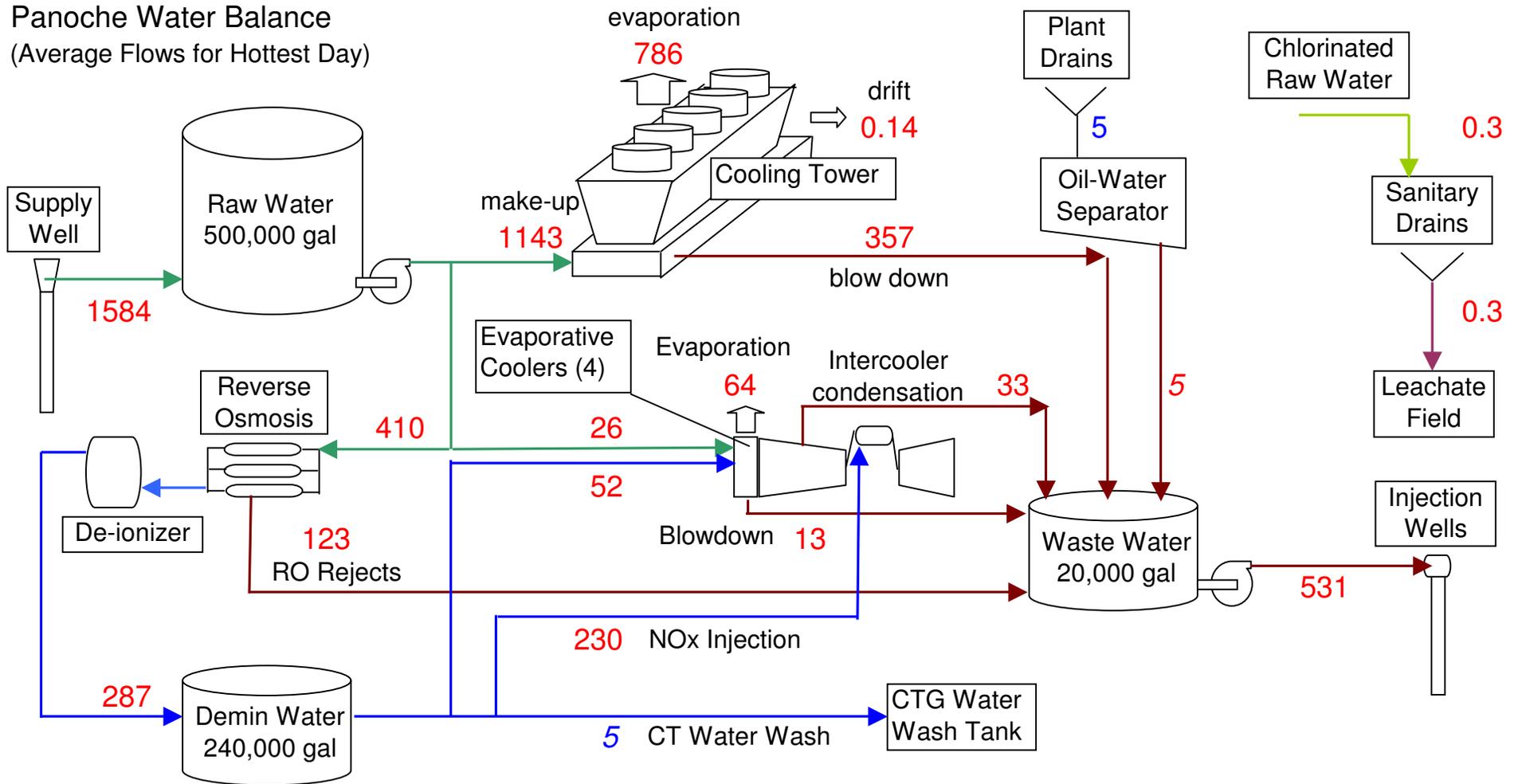
Panoche Water Balance (Average Full Load Flows)



NOTES:

- 1) All Flows are displayed in GPM
- 2) NOx Injection and cooling tower heat loads are from an average of GE performance estimates at the monthly average temperature for every month (equally weighted)
- 3) Reverse Osmosis water recovery rate is 70%
- 4) Evaporative Cooler cycles of concentration is 6.0
- 5) Evaporative Cooler makeup is raw water and demin water 67% Demin
- 6) Potable water flows are based on a use rate (gal/day/person) of 25 & 10 people on site

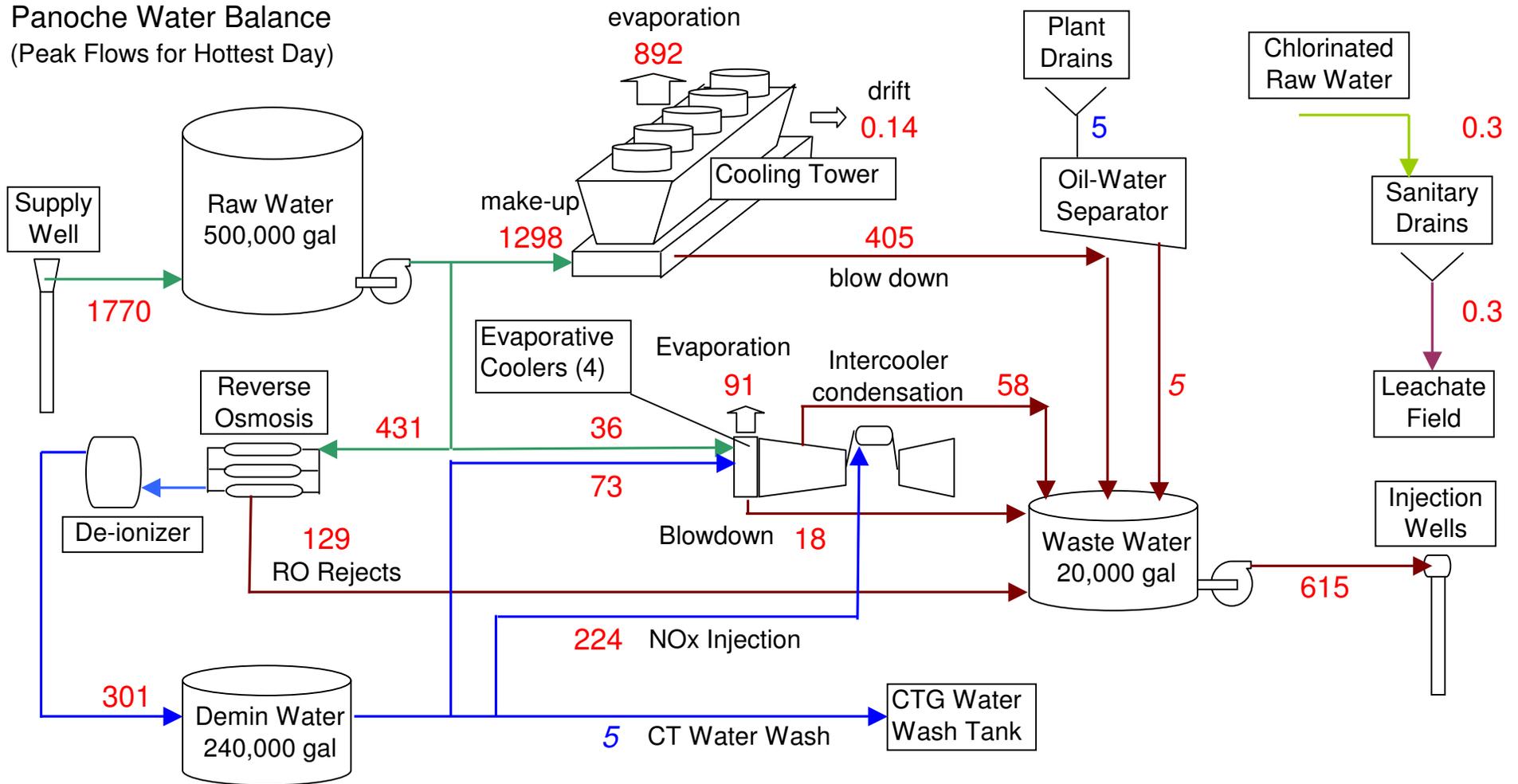
Panoche Water Balance
(Average Flows for Hottest Day)



NOTES:

- 1) All Flows are displayed in GPM
- 2) NOx Injection and cooling tower heat loads are from an average of GE performance estimates at ambients of 114F dry bulb / 74F wet bulb (Day) and 80F dry bulb / 64F wet bulb (Night)
- 3) Reverse Osmosis water recovery rate is 70%
- 4) Evaporative Cooler cycles of concentration is 6.0
- 5) Evaporative Cooler makeup is raw water and demin water 67% Demin
- 6) Potable water flows are based on a use rate (gal/day/person) of 25 & 15 people on site

Panoche Water Balance
(Peak Flows for Hottest Day)



NOTES:

- 1) All Flows are displayed in GPM
- 2) NOx Injection and cooling tower heat loads from GE performance estimates at 114F dry bulb / 74F wet bulb
- 3) Reverse Osmosis water recovery rate is 70%
- 4) Evaporative Cooler cycles of concentration is 6.0
- 5) Evaporative Cooler makeup is raw water and demin water 67% Demin
- 6) Potable water flows are based on a use rate (gal/day/person) of 25 & 15 people on site