

Footnote	Description	Flow Characterization
5/6 Intake	5/6 Intake	Each of the four circulating water pumps is designed at 37,000 GPM
7/8 Intake	7/8 Intake	Each of the four circulating water pumps is designed at 117,000 GPM
Discharge 001	Discharge 001	The maximum discharge flow is 215 MGD
Discharge 002	Discharge 002	The maximum discharge flow is 674 MGD
A	5 and 6 Boiler Discharge	Discharges from the boiler include boiler drains and blowdown. Approximately 60,000 gallons of water is drained from each boiler after each shut down. Blowdown occurs during start-up and other operating times when the boiler water and/or steam parameters are exceeded. On average there may be 10,000 gallons of blowdown per operating run.
B	5/6 Power Block Floor Drains	Drains exist throughout the operating units; minimal flow during routine operation, however stormwater and OTC saltwater leaks can increase this volume.
C	7/8 Power Block Floor Drains	Drains exist throughout the operating units; minimal flow during routine operation, however stormwater and OTC saltwater leaks can increase this volume
D	Water from Transfer Sump	Water collected from within the operating units is collected here before being transferred to the retention basin
E	7 and 8 Boiler Discharge	The discharge from 7/8 boiler is limited to boiler piping drainage. Approximately 30,000 gallons of water is drained from each boiler after each shut down. AES does not control how many shutdowns there will be per year.
F	Oil from 7/8 Separator	Oil separated by gravity is removed with a vacuum truck as needed. Quantity of oil removed varies from year to year.
G	Water from 7/8 Separator	Water separated from oil
H	Polisher Regeneration Water	The 7/8 in-line polishers are regenerated approximately 1.5 times per start-up. The regeneration flow is approximately 30,000 gallons per event.
I	Retention Basin Surface Oil/Water	The surface of the retention basin is skimmed to remove floating oil at a rate of approximately 1 GPM
J	Water from Ret Basin Separator	The water separated from the oil is returned to the retention basin
K	Oil from Ret Basin Separator	Approximately 3,000 gallons of oily water is removed from this temporary storage tank annually by vacuum truck.
L	Water from the Retention Basin	Water is discharged after allowing sufficient time for separation. The flow is pumped to the forebay of Units 5/6 at an average rate of approximately 200,000 gallons per day, though this is dependent upon influx of water from upstream sources. The flow rate for the overboard pumps is 600 GPM total, equivalent to a daily maximum of 864,000 gallons.
M	5/6 Chlorination	Maximum of 3 gallons of 12.5 wt% sodium hypochlorite per operating pump per day. Approximately 500 gallons per year, historically.
N	7/8 Chlorination	Maximum of 9 gallons of 12.5 wt% sodium hypochlorite per operating pump per day. Approximately 4,000 gallons per year, historically.
O1	5/6 Miscellaneous Yard Drains	Drains that collect stormwater outside of the power block
O2	7/8 Miscellaneous Yard Drains	Drains that collect stormwater outside of the power block
P	Dewatering Water	Dewatering pumps operate continuously to keep groundwater level beneath Site stable. The water is a mixture of saltwater, groutwater and injected water from the nearby West Coast Basin Barrier Project and is removed at an average of approximately 1.5 million gallons per day.
Q1	5/6 Bearing Cooling Water Heat Exchanger	Once through cooling water flows through this system designed to cool plant water without contacting system water
Q2	7/8 Bearing Cooling Water Heat Exchanger	Once through cooling water flows through this system designed to cool plant water without contacting system water
R	5/6 Condensate Overboard	During start-ups at 5/6 the initial water that comes through the cycle (i.e. is condensed in the hotwell) is not pumped back into the sstem but is sent to the discharge. This is approximately 4,000 gallons per start-up. AES does not control how many start-ups there will be per year, though it is estimated to be less than 100,000 gallons per year.
S	City Storm Drains	Stormwater run-off from the city's streets enters the southeast side of the property and commingles with the 7/8 intake water.
T	7/8 Condensate Overboard	Used only in an event when the condensate needs to be discharged rather than circulated through the unit. This is approximately 20,000 gallons per event. It is estimated to be less than 100,000 gallons per year.