



KEY

SR- Secondary River Water System (3 pumps @ 7,250 gpm)
 NR- Nuclear River Water System (3 pumps @ 6,000 gpm)
 DR- Decay Heat River Water System (2 pumps @ 7,000 gpm)
 RR- Reactor Building Emergency Cooling Water System (2 pumps @ 5,400 gpm)
 SW- Screen Wash and Sluice Water System (2 pumps @ 1,400 gpm)
 SV- Screen Intake Structure Ventilation System (2 pumps @ 150 gpm) Discharge directly back to Intake Structure
 NCCWS- Non-Contact Cooling Water System
 MDCT- Mechanical Draft Cooling Tower
 NDCT- Natural Draft Cooling Tower

DRAWING NOTES

- The FOLLOWING discharges are intermittent batch releases:
 - Industrial Waste Treatment System (IWTS – Outfall 701)
 - Secondary Neutralizer Tank (Outfall 501)
 - Treated Liquid Radioactive Waste Treatment
- Secondary Neutralizer Tank normally discharges to IWTS (Outfall 701).
- Industrial Waste Filter System is out-of-service as a treatment system. Sump may be used as holding tank for IWTS treatment
- Screen Wash and Sluice Water System Screen Vent Pumps operate intermittently.
- Decay Heat River and Reactor Building Emergency Cooling river pumps are operated intermittently.
- Typical flows and maximum flows are actual flow data where available. Design or estimated flows are used when actual flow data are not available.
- Screen Intake Structure Inlet flow rates are estimated using actual Outfall 001 flow rates, the design Evaporation rates and the estimated flow at Outfall 006.

Water Use Schematic
Three Mile Island Nuclear Station (TMI-1)

Exelon Generation Company, LLC
Middletown, Pennsylvania

Exelon

Revision: 09/29/2015; WJC	Drawn By: ECC	URS Job Number: 19999070
Date: 04/09/2012	Approved By: RDS	Project: NPDES Permit Renewal