



NOTE ON CHEMICALS:
 1. ETHYLENE GLYCOL USED IN DIESEL GENERATORS AND GLYCOL HEATING SYSTEM, BOTH ARE CLOSED LOOP SYSTEMS - NO BLEEDDOWN.
 2. CLOSED LOOP CHEMICALS ARE THE SAME FOR UNIT 1 & UNIT 2

- NOTES**
1. DURING NORMAL PLANT OPERATION, PRIMARY AND SECONDARY HEAT EXCHANGERS AND CHILLERS (REACTOR PLANT RIVER WATER SYSTEM (RPRW)), DISCHARGE INTO THE COOLING TOWER - CIRCULATING WATER SYSTEM. THE ALTERNATE DISCHARGE FLOW PATH FOR THE RPRW SYSTEM CAN ONLY BE USED DURING MAINTENANCE OUTAGES. THE RPRW SYSTEM ALTERNATE DISCHARGE IS COMPRISED OF (1) COMPONENT COOLING WATER HEAT EXCHANGER, WHEN THE ALTERNATE DISCHARGE FLOW PATH IS IN SERVICE, THE NORMAL AUXILIARY INTAKE TEST LINE DISCHARGE THROUGH 007 WILL BE OUT OF SERVICE.
 2. DURING NORMAL PLANT OPERATION, UNIT #1 MAIN PLANT FLOOR DRAINS DISCHARGE INTO THE OIL SEPARATOR (OUTFALL 303). THE BYPASS LINE AROUND THIS ONE IS TO BE USED DURING MAINTENANCE OUTAGES AND EMERGENCY CONDITIONS ONLY.

LEGEND

MGD. - MILLION GALLONS PER DAY
 AVG. - AVERAGE LONG TERM DAILY VOLUME OF WASTEWATER IN GALLONS
 MAX. - MAXIMUM DAILY VOLUME OF WASTEWATER IN GALLONS
 ——— MAIN FLOW
 - - - - - OPTIONAL FLOW
 (000) - DISCHARGE NUMBER DESIGNATION IN NPDES PERMIT DESIGNATION **PERMIT NO. PA. 0025615**

5. CHEMICAL ADDITIVES SHOWN IN ITALICS.

ISSUES	DEH 1-14-03 D/CHK: JMP	MGB 5-19-03 D/CHK: MVF	MGB 8-12-03 D/CHK: RJK	MGB 1-13-04 D/CHK:
11 ECR 03-0017 INCOMP. REDLINE MARK-UP REF. CR-03-00291	12 ECRS 03-0141, 0142, & 0143 CA'S 03-0141-01, 02153-01, & 01535-01	SUP: PCB SNT: PJS SUP: MGB 8-11-03	ENG: MGB SUP: EEE 8-22-03	ENG: SUP:
13 ECR 03-0405 REVISED PER ENVIRONMENTAL & CHEMISTRY MARK-UP, REF. CR-03-08137.	14 ECR 03-0507 REVISED PER ENVIRONMENTAL & CHEMISTRY MARK-UP, REF. CR-03-09102.			

FENOC FirstEnergy NUCLEAR OPERATING COMPANY

BEAVER VALLEY POWER STATION UNIT 1 & 2
WASTE WATER FLOW DIAGRAM

SCALE: DATE: 3-14-95
 NTS: DRAWN BY: D. REARDON
 DFC/CHK: ELECT APP: SUPV. APP: S. RODGERS
 ENGR/CHK: D. HOFFMAN CIVIL APP: B. DRUGA

REV. 14
 DWG. NO. 8700-RM-27F
 STA. NO. 100013