

LICENSEE EVENT REPORT

CONTROL BLOCK: [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0] [1] [N] [Y] [N] [M] [P] [1] [2] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [3] [4] [1] [1] [1] [1] [4] [] [] [] [5]

CON'T REPORT SOURCE [L] [6] [0] [5] [0] [0] [0] [0] [2] [2] [0] [7] [1] [0] [1] [8] [8] [2] [8] [0] [2] [1] [7] [8] [3] [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

[0] [2] While analyzing quarterly canal water samples for the 4th quarter of 1982, it was [0] [3] found that the tritium concentration in the inlet sample was 39.2 times the control [0] [4] result which is in violation of Environmental Technical Specification, Section [0] [5] 5.6.2.b and Table 3.2-1. [0] [6] [0] [7] [0] [8]

[0] [9] [Z] [Z] [11] [X] [12] [X] [13] [Z] [Z] [Z] [Z] [Z] [Z] [14] [Z] [15] [Z] [16]

(17) LER/RO REPORT NUMBER [8] [3] [21] [22] [] [23] [0] [0] [2] [24] [26] [] [27] [] [28] [0] [4] [29] [] [30] [L] [31] [] [32] [] [33]

ACTION TAKEN [X] [18] [] [34] [X] [19] [] [35] [Z] [20] [] [36] [Z] [21] [] [37] [0] [0] [0] [0] [40] [Y] [23] [] [42] [N] [24] [] [43] [Z] [25] [] [44] [Z] [9] [9] [9] [9] [26] [47]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1] [0] The plant was shutdown at the time, with the circulating water pumps off, and one [1] [1] service water pump in operation. The normal INTAKE and DISCHARGE tunnels were oper- [1] [2] ating in reverse flow mode due to the installation of a new tempering gate. In this [1] [3] mode, the INTAKE sampling equipment was sampling the service water effluent, and the [1] [4] DISCHARGE equipment was sampling the inlet water flow. In this configuration, the

[1] [5] [G] [28] [0] [0] [0] [29] [] [30] [] [31] Test Results [] [32]

[1] [6] [Z] [33] [Z] [34] [] [35] [] [36]

[1] [7] [0] [0] [0] [37] [Z] [38] [] [39]

[1] [8] [0] [0] [0] [40] [] [41]

[1] [9] [Z] [42] [] [43]

[2] [0] [N] [44] [] [45] 8303180416 830311 PDR ADOCK 05000220 S PDR NRC USE ONLY Name of Preparer M. J. Burgmeier Phone: (315) 349-2616

LER 83-02

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (continued)

liquid waste discharge line, which empties into the normal DISCHARGE tunnel, was effectively discharging into the plant inlet due to the reverse flow. Therefore, the INTAKE and DISCHARGE sampling points were downstream of the liquid waste discharge.

Therefore, the tritium, as expected, was from previous, planned, legal discharges in October and does not represent a tritium contamination of Lake Ontario water. Inlet water grab samples taken and analyzed in November and December showed only naturally occurring radionuclides. FSAR figures III-16 and III-17 (attached) show the normal and reverse flow paths.

CIRCULATING WATER CHANNELS UNDER SCREEN AND PUMP HOUSE

NORMAL OPERATION

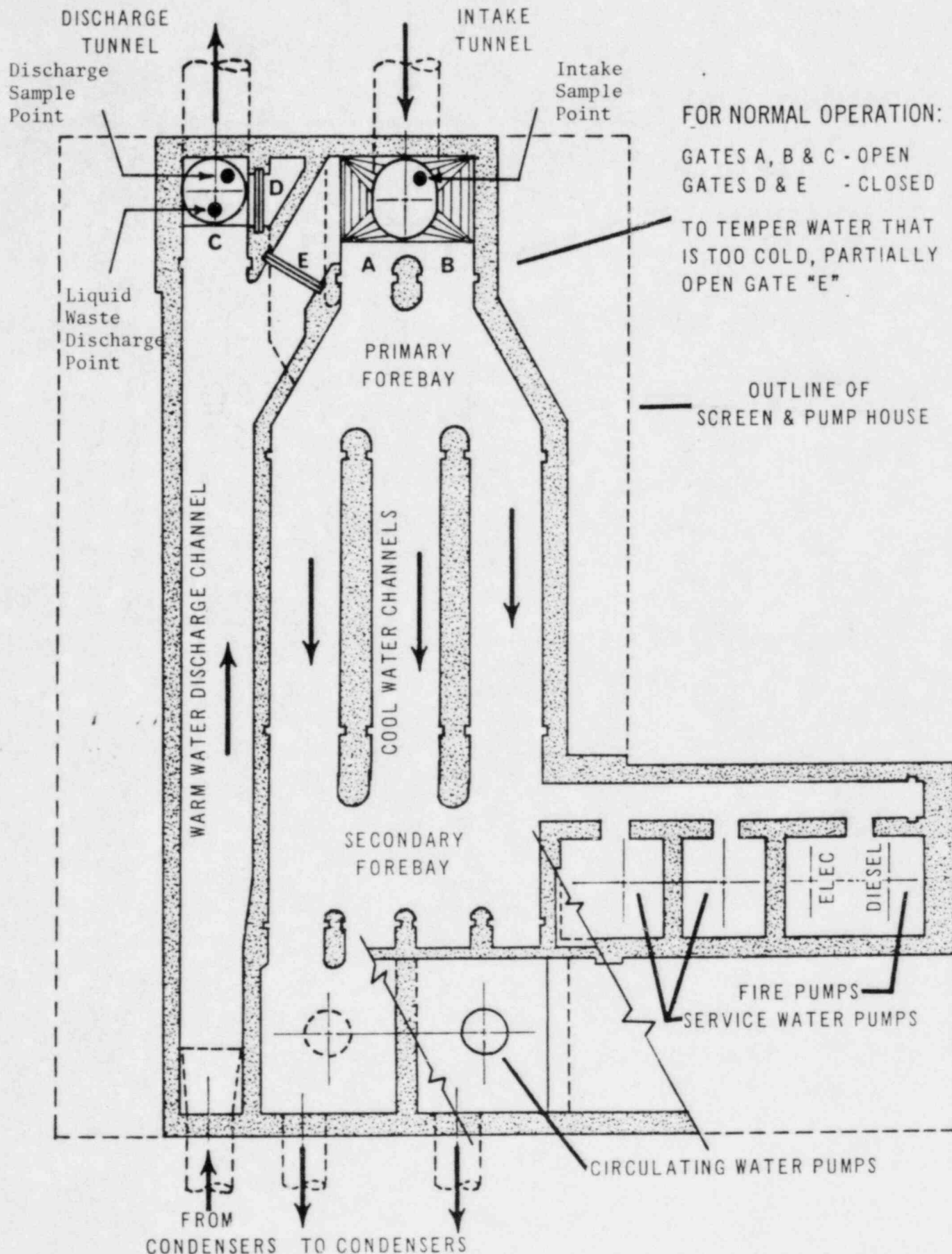
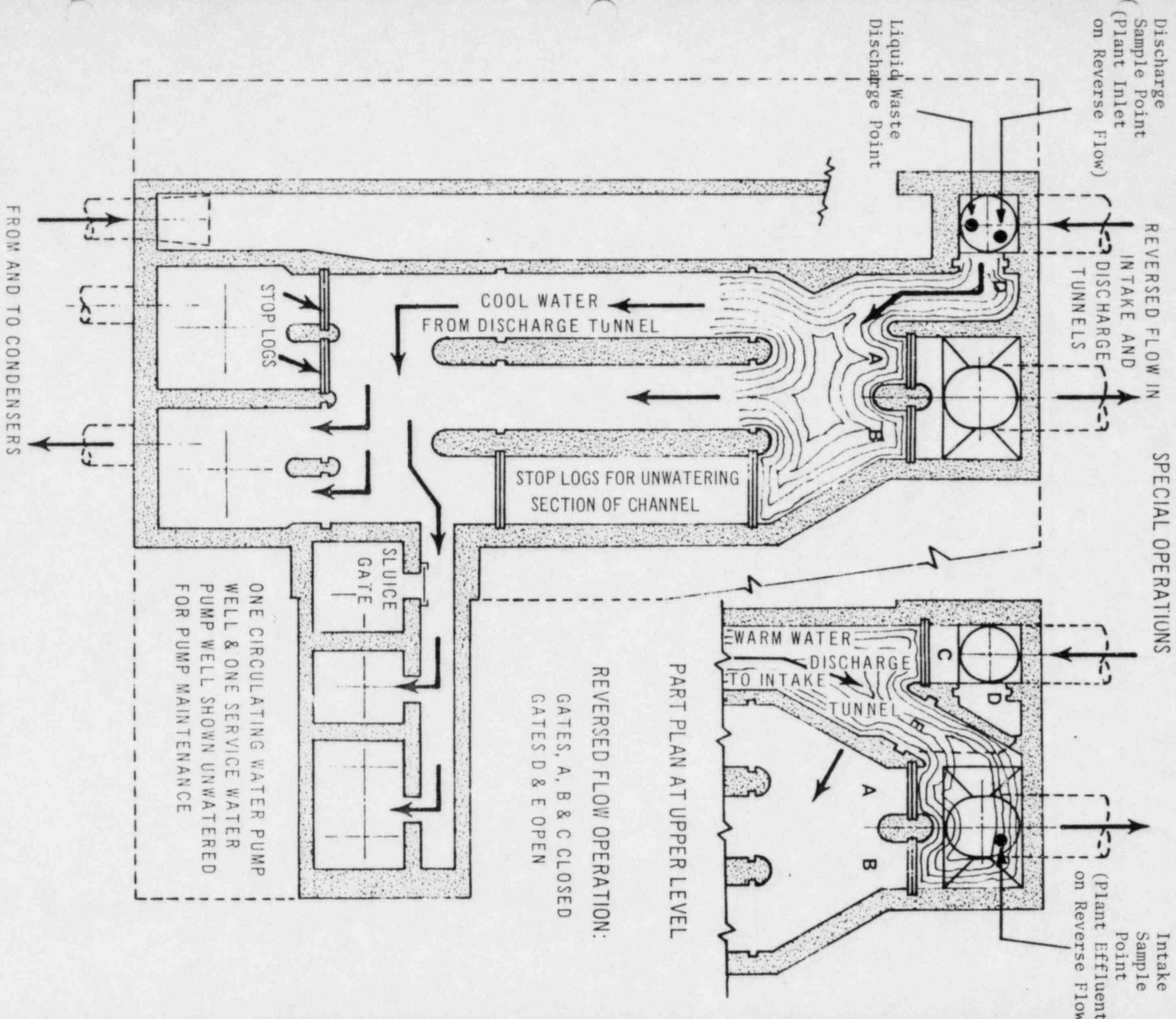


FIGURE III - 16

CIRCULATING WATER CHANNELS UNDER SCREEN AND PUMP HOUSE
SPECIAL OPERATIONS



REVERSED FLOW OPERATION:
GATES, A, B & C CLOSED
GATES D & E OPEN

ONE CIRCULATING WATER PUMP
WELL & ONE SERVICE WATER
PUMP WELL SHOWN UNWATERED
FOR PUMP MAINTENANCE

FROM AND TO CONDENSERS

FIGURE III - 17