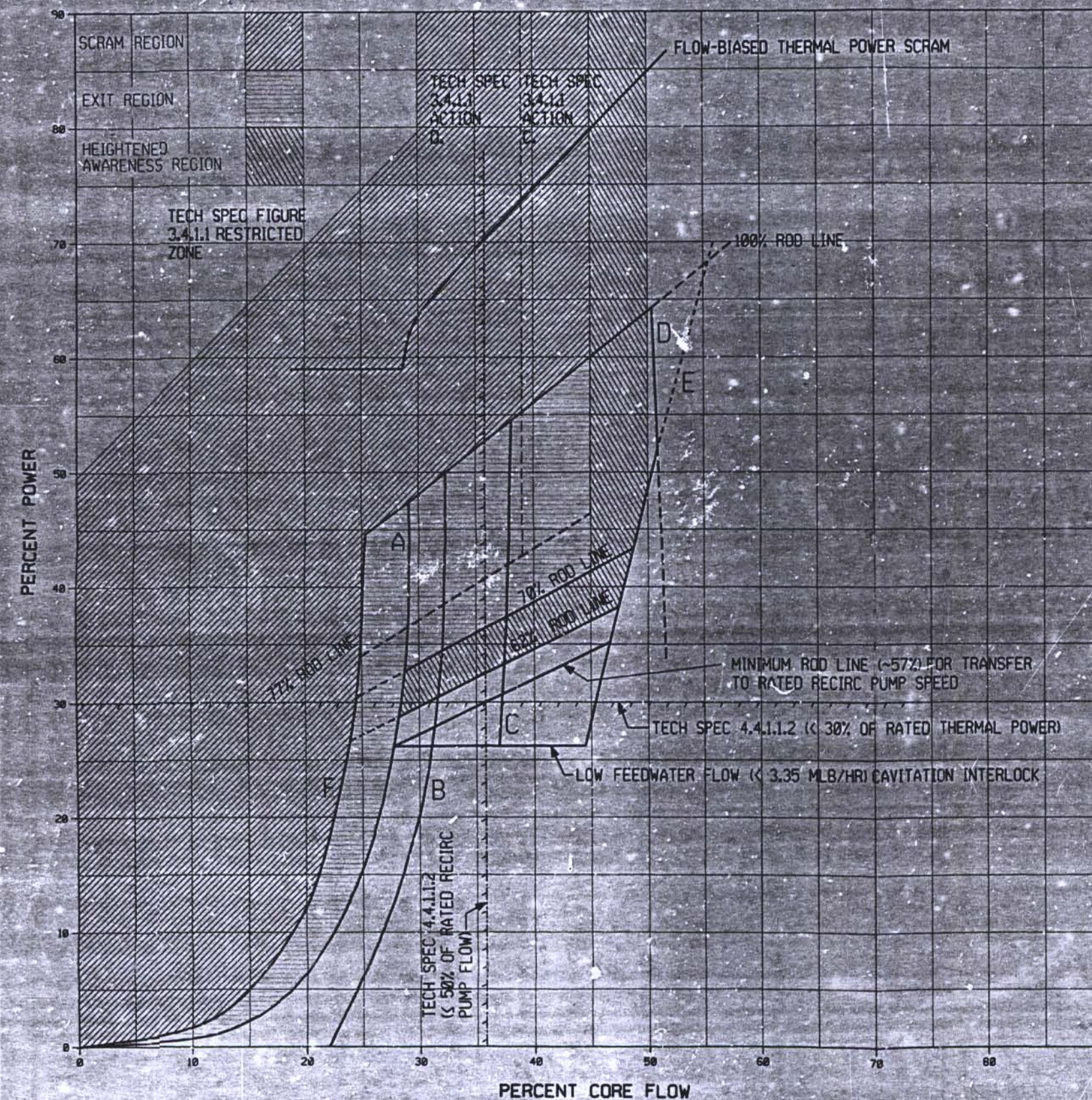


NINE MILE POINT 2
POWER-FLOW OPERATING MAP
1 RECIRC LOOP IN OPERATION



- A. LOW RECIRC PUMP SPEED FCV MIN. POS.
- B. LOW RECIRC PUMP SPEED FCV MAX. POS.
- C. RATED RECIRC PUMP SPEED, FCV AT UPSHIFT POSITION (~18-20% OPEN IND.)
- D. 100% OF RATED RECIRC PUMP FLOW (TECH SPEC 3.4.1.1 ACTION 2.1.f)
- E. POWER/FLOW LIMITATION LINE (JET PUMP CAVITATION):
PERCENT POWER= $3.83 \times \text{PERCENT CORE FLOW}^{1.44\%}$
- F. LOWER BOUND OF NATURAL CIRCULATION.

$$\% \text{ ROD LINE} = \frac{\text{PERCENT POWER}}{.22191 + (8.9714 \times 10^{-3}) \text{PERCENT CORE FLOW} - (1.1905 \times 10^{-5}) \text{PERCENT CORE FLOW}}$$

THIS IS A COLOR CODED
CONTROLLED DRAWING

SAFETY RELATED

NINE MILE POINT
NUCLEAR STATION - UNIT 2
SCRIBA, N.Y.

POWER FLOW OPERATING MAP
1 RECIRC LOOP IN OPERATION

EM-950B-5

[illegible]