



# CALCULATION SHEET

LAO 0513 8-73

CALC. NO. 52

SIGNATURE D.N. KOTKOFF DATE 6-2-80

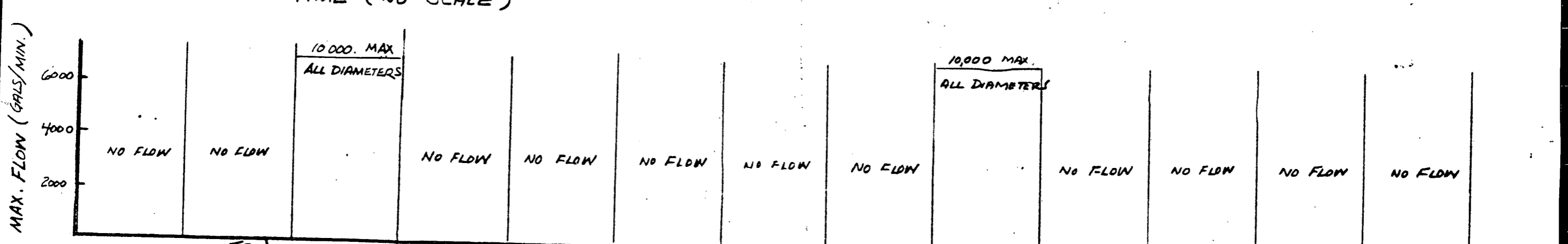
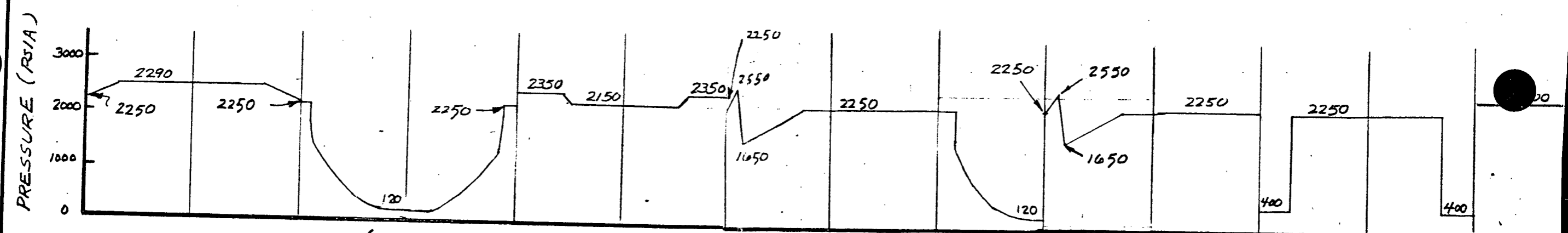
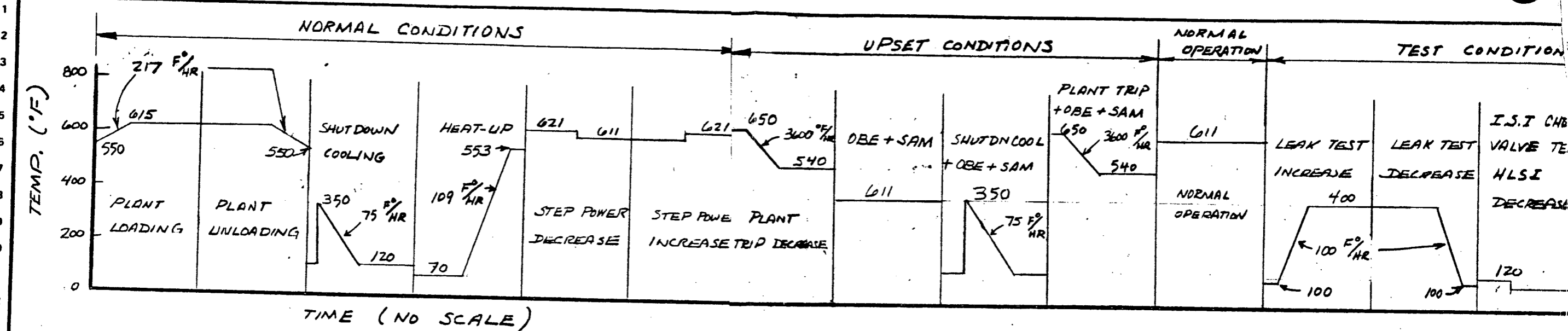
CHECKED APP DATE 6/5/80

PROJECT SONGS 2

JOB NO. 10079 003-

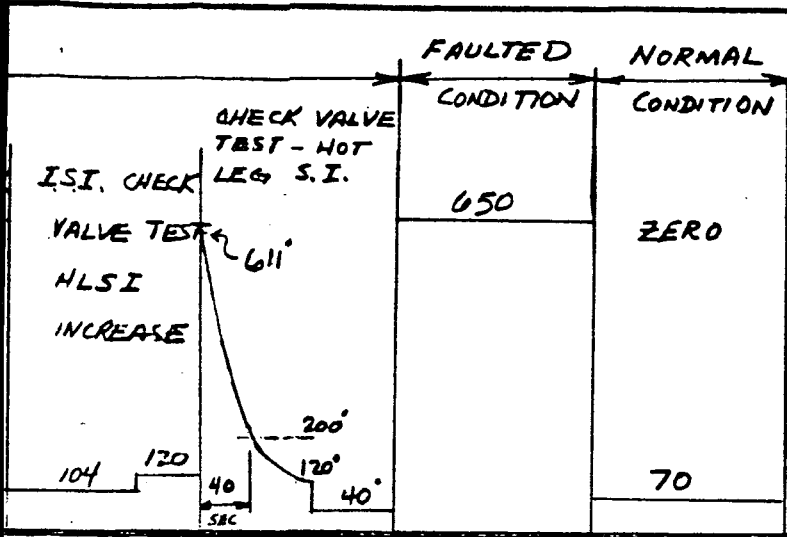
SUBJECT SHUTDOWN COOLING 1201-017  
HISTOGRAM

SHEET 2 OF 2 SHEETS



800623053

APPLIES TO SECTION NO.	1-2A	1-2A	ALL	1-2A	1-2A	1-2A	1-2A	1-2A	ALL	ALL	1-2A	1-2A	1-2A	1-2A	1-2, 3, 4, 4-
LOAD SET NO.	4	5	15,16,17	11,12	6	7	22, 21	1	19	20	3	13	14	9, 10	
CYCLES	15000	15000	SEE NOTES THIS SHEET	500	10 <sup>6</sup>	10 <sup>6</sup>	480	1440	1	1	17000	200	200	260	



- NOTES:
1. CYCLES FOR SHUTDOWN COOLING TRANSIENT AS FOLLOWS:
    - A. LN # 016-16"-A-FED NEAREST RCL 500 CYCLES.
    - B. LN # 016-16"-A-FED BEFORE 18" SECTION. 450 CYCLES & 50 SINGLE ACTIVE FAILURES.
    - C. LN # 016-18"-A-FED 500 CYCLES
    - D. LN # 072-10"-A-FED 450 CYCLES & 50 SINGLE ACTIVE FAILURES.

	100 SEC.		
	2500	2485	
			15

		NO FLOW	NO FLOW
44 GPM			

- REFERENCE:
1. "TRANSIENT INFORMATION TO STRESS SHUTDOWN COOLING LINE." SONYS 2. FILE # S023-450-C CALC # M140.08
  2. SEE JURISDICTIONAL BOUNDARY SKETCH OF CLASS 1 REPORT FOR SHUTDOWN COOLING LINE.

1-2, 4, 4.5	1.3, 2.4, 4.5	ALL	ALL
9, 10	8	2	18
260	260	N/A FOR FATIGUE ANALYSIS	500