

INTERIM REPORT

Accession No. \_\_\_\_\_

Contract Program or Project Title:

EWR Blowdown/ECC

Subject of this Document:

Program Progress

Type of Document:

Monthly Letter

Author(s):

G. W. Burnette

Date of Document:

July 1979

Responsible NRC Individual and NRC Office or Division:

W. D. Beckner

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

Prepared for  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

INTERIM REPORT

NRC Research and Technical  
Assistance Report

1043 141

7909270564

# GENERAL ELECTRIC

NUCLEAR ENERGY  
BUSINESS GROUP

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

August 10, 1979

Mr. Edward L. Halman, Director  
Division of Contracts  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. M. Merilo  
EPRI PMG Member, BWR-BD/EOC Program  
Safety & Analysis Department  
Electric Power Research Institute  
P.O. Box 14012  
Palo Alto, CA 94304

SUBJECT: CONTRACT NO. NRC-04-76-215  
INFORMAL MONTHLY PROGRESS REPORT FOR JULY 1979

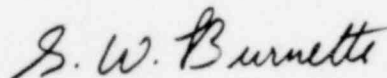
Gentlemen:

The following summarizes the subject matter covered in the attached report:

An instrument diagram for the upcoming tests is included. Shakedown continues with testing expected to commence during August. Several evaluations were documented under separate cover.

Distribution of this report is being made in accordance with the "Monthly Distribution List" provided with E. H. Davidson's letter of March 3, 1976.

Very truly yours,



G. W. Burnette, Manager  
External Programs  
M/C 583, Telephone (408) 925-5375

cc: R.G. Bock

1043 142

BWR BD/ECC PROGRAM

FORTY-FIFTH MONTHLY REPORT

JULY 1979

Prepared for:

Division of Reactor Safety Research  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555  
NRC FIN No. B3014

and

Electric Power Research Institute  
3412 Hillview Avenue  
Palo Alto, CA 94304  
EPRI Project No. RP-495-1

and

General Electric Company  
175 Curtner Avenue  
San Jose, CA 95125

By

General Electric Company

Under

Contract No. NRC-04-76-215

NRC Research and Technical  
Assistance Report

1043 143

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

## FORTY-FIFTH MONTHLY REPORT

CONTRACT NO. NRC-04-76-215

BWR Blowdown/Emergency Core Cooling Program

July 1979

### SUMMARY

An instrument diagram for the upcoming tests is included. Shakedown continues with testing expected to commence during August. Several evaluations were documented under separate cover.

### TASK AA - Program Planning and Administration

The test plan for the balance of testing to be done before major modifications are made to the TLTA was reported in the June Monthly. The instrumentation diagram, unavailable then, is included in this monthly.

### TASK EE - Facility Shakedown

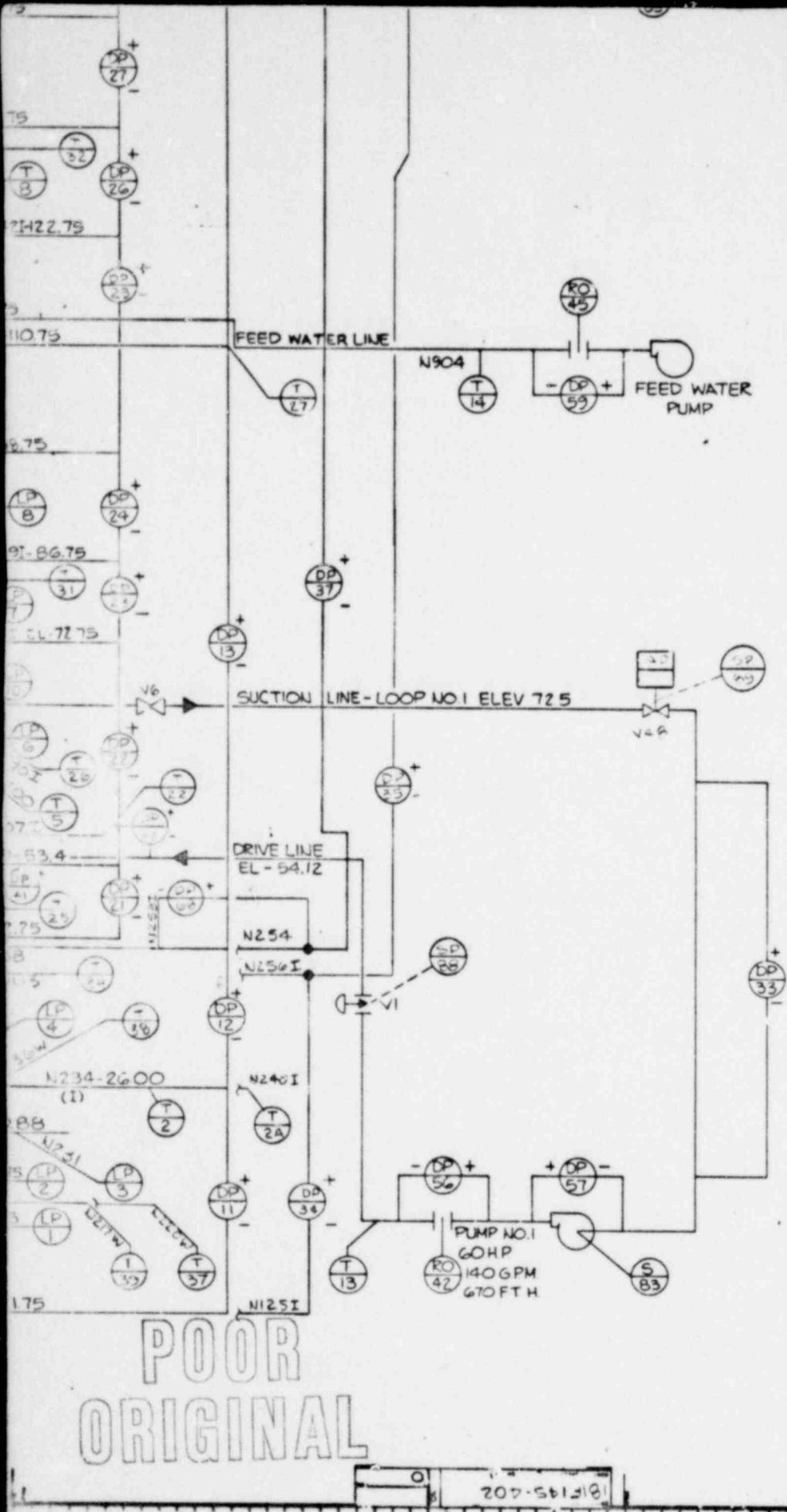
Shakedown testing as outlined in the 43rd Monthly continued during July. All differential pressure instruments were checked out. The Metrascope (for visual display of bundle temperatures) and the new wattmeter were also checked out. Some delay in completing the shakedown was encountered because of a computer outage and a problem with one of the recirculation pumps. Service has been restored on these two items with the first blowdown anticipated during August.

### TASK GG - Analysis

Analyses of the steam separator pressure drop and the TLTA Break Flow were issued. The evaluation summary of the BD/ECC-1A data was also issued. These evaluations were contained in a letter from Burnette to Beckner and Merilo, dated July 31, 1979. The letter was given the same distribution as the Monthly Reports.

*G. W. Burnette*  
G. W. Burnette, Manager  
External Programs

1043 144



NOTES:

- 1. P-PRESSURE
- DP-DIFFERENTIAL PRESSURE
- T-TEMPERATURE (RTD-RESISTANCE THERM)
- SP-VALVE STEM POSITION
- RO-RESTRICTING ORIFICE
- FE-FLOW ELEMENT
- S-PUMP SPEED
- LP-LEVEL PROBE
- DD-DISK
- TM-TURBINE METER




2. N905-54.88 MEANS NOZZLE NO. 305  
 IS AT AN ELEVATION OF 54.88 INCHES  
 IT DOES NOT REFER TO ACTUAL  
 LOCATION OF THE NODAL POINT

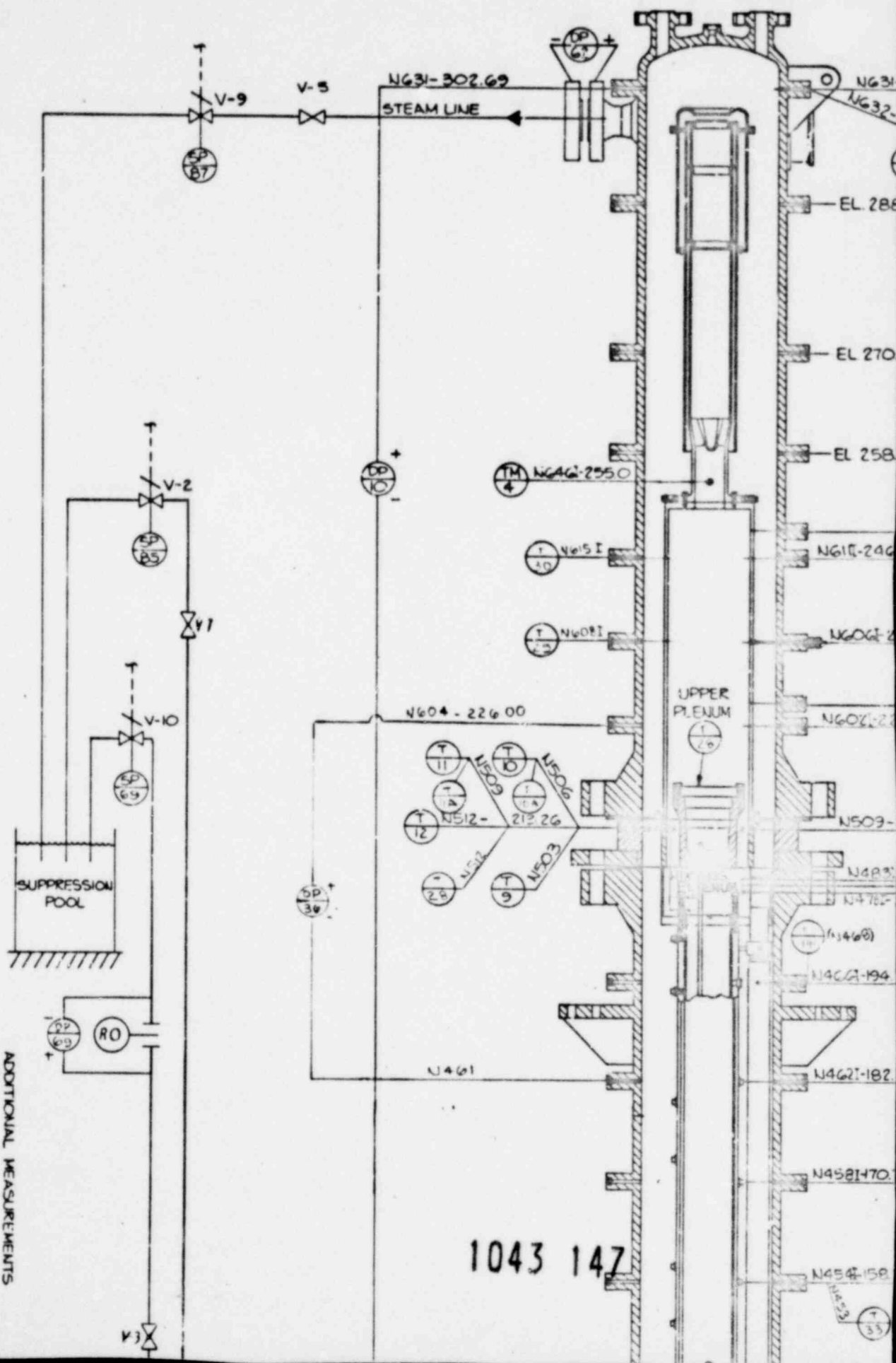
FCF: 5/11/45-400

POOR  
ORIGINAL



ADDITIONAL MEASUREMENTS

	WATTS
	VOLTS
	CURRENT



1043 147



