

JAERI - M
94-069

DATA REPORT FOR ROSA-IV LSTF GRAVITY-DRIVEN
SAFETY INJECTION EXPERIMENT RUN SB-CL-27

March 1994

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編集兼発行 日本原子力研究所
印 刷 いばらき印刷(株)

Data Report for ROSA-IV LSTF Gravity-driven Safety Injection
Experiment Run SB-CL-27

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(Received March 11, 1994)

Experimental data are presented for the passive injection test, Run SB-CL-27, conducted at the ROSA-IV Large Scale Test Facility (LSTF) on September 17, 1992. This experiment simulated thermal-hydraulic behavior of a gravity-driven, passive safety injection system during a small-break loss-of-coolant accident (LOCA) in a pressurized water reactor (PWR). The injection system consisted of a gravity-driven injection tank, located above the reactor vessel, with connecting lines. The tank was initially filled with water of room temperature at the same pressure as the pressurizer. The connecting lines to the cold leg and to the vessel downcomer were opened at the test initiation. Then, a natural circulation flow developed in the loop which was formed by these lines and the injection tank. The hot water in the cold leg circulated into the upper part of tank and accumulated there causing a significant thermal stratification. This thermal stratification prevented direct-contact condensation of steam from occurring during the subsequent tank drain-down phase. Therefore, no condensation-induced depressurization of the tank, affecting adversely the injection performance, occurred.

Keywords: Gravity-driven Passive Injection System, PWR, Small Break
LOCA, LSTF, ROSA-IV

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ROSA-IV/LSTF重力駆動型安全注入実験Run SB-CL-27データレポート

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(1994年3月11日受理)

本報は、1992年9月17日にROSA-IV LSTF装置を用いて行なった重力駆動安全注入実験のデータをまとめたものである。この実験は加圧水型原子炉(PWR)の小破断冷却材喪失事故時における重力駆動安全注入系の熱水力挙動を検討するために行なわれたものである。実験で使用する注入系は炉容器の上部に置かれたタンクと一次系に対する注水及び均圧のための配管系で構成されており、初期状態では加圧器と同圧の常温水をタンク内に保有している。実験では破断の開始と同時に注水及び均圧配管の弁を開放した。この直後にタンクとこれらの配管において自然循環が生じ、コールドレグからの高温水の流入によりタンク内に温度成層が形成された。この温度成層のため、タンク水位が低下する時、安全注入に悪影響を与える蒸気と常温水の直接接触による凝縮減圧は発生しなかった。

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Abbreviations

Acc	: Accumulator
ACC	: 'Acc-Cold' tank
ACH	: 'Acc-Hot' tank
ADQ	: Automatic Data Qualification
ADS	: Automatic Depressurization System
ADS-1	: First-stage of ADS
ADS-2	: Second-stage of ADS
AFW	: Auxiliary feedwater
BU	: Break Unit
CA	: Chromel Alumel thermocouple
CB	: Core barrel
CLA, CLB	: Cold leg of primary loop A and B, respectively
COLA, COLB	: Crossover leg (loop seal) of primary loop A and B, respectively
CP	: Conduction probe
CPT	: Conduction probe with thermocouple
DC	: Downcomer
DE	: Density measurement
DL.	: Level measured from the bottom of individual component
DP	: Differential pressure measurement
DT	: Temperature difference measurement
DVI	: Direct vessel injection (line)
ECC	: Emergency core coolant
ECCS	: Emergency core cooling system
EL.	: Level measured from the bottom of core heated length
FE	: Flow rate measurement
FW	: Feedwater
HLA, HLB	: Hot leg of primary loop A and B, respectively
HPIS	: High pressure injection system
i.d.	: Inner diameter
JC	: Jet condenser
LCP	: Lower core plate
LOCA	: Loss-of-coolant accident
LPIS	: Low pressure injection system
LSA, LSB	: Loop seal in primary loop A and B, respectively

LSTF	: Large Scale Test Facility
LE	: Liquid level measurement
MF	: Momentum flux measurement
MI	: Miscellaneous measurement
PA	: Auxiliary feedwater pump
PBL	: Pressure Balancing Line
PCA, PCB	: Reactor coolant pump in primary loop A and B, respectively
PE	: Pressure measurement
PF	: Main feedwater pump
PH	: High pressure injection (HPI) pump
PJ	: High pressure injection (HPI) pump
PL	: Low pressure injection (LPI) pump
PORV	: Power operated relief valve
PPR	: Pressurizer spray pump
PR	: Pressurizer
PV	: Pressure vessel
PWR	: Pressurized water reactor
RHR	: Residual heat removal system
RO	: Orifice
ROSA-IV	: Rig of Safety Assessment Number 4
RV	: Relief valve
RWST	: (Simulated) refueling water storage tank
SBLOCA	: Small break loss-of-coolant accident
SGA, SGB	: Steam generator A and B, respectively
SI	: Safety injection
ST	: Break flow storage tank
SV	: Safety valve
TC	: Thermocouple
TE	: Fluid temperature measurement
TPTF	: Two-Phase Flow Test Facility
UCP	: Upper core plate
UH	: Upper head
UP	: Upper plenum

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1. INTRODUCTION

The Rig-of-Safety-Assessment No. 4 (ROSA-IV) Program was conducted by the Japan Atomic Energy Research Institute (JAERI) from April 1980 to March 1993 (FYs 1980 -1992) for experimental and analytical investigation of thermal-hydraulic responses of a pressurized water reactor (PWR) during small-break loss-of-coolant accidents (SBLOCAs) and operational/abnormal transients. The three major tasks which constituted this program were:

- (1) conducting integral experiments on PWR SBLOCAs and transients using the Large Scale Test Facility (LSTF)^[1] which is a 1/48 volumetrically scaled, full-height, full-pressure simulator of a Westinghouse-type 4-loop (3423 MWt) PWR,
- (2) conducting separate effects experiments on thermal-hydraulic phenomenon peculiar to PWR SBLOCA and transient situations using the Two-Phase Flow Test Facility (TPTF), and
- (3) developing and verifying computer codes for analysis of PWR SBLOCAs and transients using experimental data taken at the LSTF and TPTF.

This report presents experimental data for a cold-leg SBLOCA test, Run SB-CL-27, conducted on September 17, 1992 on the LSTF as part of the ROSA-IV Program¹. This experiment investigated thermal-hydraulic behavior of a gravity-driven passive safety injection system during a PWR SBLOCA. The break area was 2.5% of the scaled cold leg cross-sectional flow area.

The passive injection system represented in this test consisted of a water tank located above the reactor vessel and lines for water injection and pressure balancing. This concept resembles the core makeup tank (CMT) in the Westinghouse AP600^[2] design. However, the system test configuration and operational setpoints in this experiment differed much from those for the AP600 design. The present experimental results are not believed to be representative of the AP600 responses.

¹ This experiment was conducted in the time period where the ROSA-IV Program and the ROSA-V Program (FY 1991 -) were being performed in parallel. As such, this experiment, though conducted with the ROSA-IV Program budget, is regarded also as a scoping experiment for the ROSA-V Program where the performance of passive safety features is one of the main research subjects.

In general, gravity-driven injection systems provide only small injection heads. Therefore, their injection performance can be affected by the pressure distribution in the reactor and/or the injection system itself. For instance, for the high-pressure injection tank which was simulated in this experiment, there is a possibility that steam condenses in the tank, on the cold water which initially fills the tank. The injection performance would be affected if the condensation is strong enough to lower the tank pressure.

The present experiment attempted to simulate the tank two-phase flow behavior including interactions with the primary system responses.

This report presents all the experimental data taken for Run SB-CL-27, describes the test initial and boundary conditions, the test configuration and the test procedures. It also summarizes major observations from the test. Data plots for all the instrumentation channels are presented in Appendix C of this report in the form of microfiche.

2. TEST FACILITY AND INSTRUMENTATION

2.1 Test Facility

The LSTF, now used in the ROSA-V Program, is a 1/48 volumetrically-scaled, full-height, full-pressure simulator of a Westinghouse-type 4-loop (3423 MW thermal power) PWR. It is located at the Tokai Research Establishment of JAERI. Figure 2.1 shows the general view of the LSTF. Table 2.1 summarizes the facility design characteristics. More detailed description of the LSTF geometry, as of the date of performance of Run SB-CL-27, is available in Ref. [1].

The four primary loops of the reference PWR are represented by two symmetric loops, each including an active steam generator (SG) and an active reactor coolant pump. The component elevations are preserved full scale to simulate natural circulation phenomena peculiar to SBLOCAs and transients. The loop horizontal legs are sized to preserve the scaled (1/24) volumes and the ratio between the leg length and the square root of the diameter, $L/\sqrt{D}$, to simulate the two-phase flow regime transitions in these legs[3].

The simulated core assembly consisted of 1008 electrically heated rods and 96 unheated rod. The rod diameter, length and lattice arrangement were the same as a prototypical 17x17 fuel rod bundle. The core power axial profile was a 9-step chopped cosine with a peaking factor of 1.495.

2.2 Test Instrumentation

More than 2300 transducers were used for measurement of thermal-hydraulic parameters during the test. About 70% of these transducers were thermocouples for measurement of fluid and solid wall temperatures as well as differential temperatures. About 400 conduction probes were used to detect the presence of liquid at various locations in the vessel and loops. Other conventional instruments included measurement of pressures, differential pressures, collapsed liquid level based on differential pressure measurements, and flowrates based on differential pressure measurements across orifices or nozzles.

In addition, measurements were made using more or less advanced two-phase flow instruments including gamma-ray densitometers and drag discs. Visual observation of the flow in the primary loops was also made using high-pressure video probes located at the inlet and outlet legs of the two SGs.

Table 2.2 shows a list of data channels. Each data channel is given three identifiers as shown in this table. For instance, the identifiers given to the pressurizer pressure (high range measurement) are:

Sequential No.: 1893
 Function ID.: PE-13
 Tag Name: PE300A-PR

The Tag Name and Function ID are a fixed naming unique to each measurement and are not changed unless there is change in measurement hardware or location. However, the Sequential No. for a certain measurement may be changed from a test to another as a consequence of addition or elimination of other measurements. The first two letters in the Function ID and Tag Name ("PE" for the above example) represents the kind of variable or the kind of measurement as follows:

CP : Conduction probe signal
 DE : Fluid density
 DP : Differential pressure
 DT : Differential temperature
 FE : Flow rate, measured with conventional (differential pressure) flow meters
 MF : Momentum flux
 MI : Miscellaneous instrument signals (power, pump rotating speed, etc.)
 LE : Collapsed water level
 PE : Pressure
 TE : Fluid temperature
 TW : Heater rod and structure temperature

Data from these measurements are processed after the test to obtain the "secondary" data, e.g., area-averaged fluid density derived from measurement with 3-beam gamma-ray densitometer. These data are stored with Function IDs starting with a prefix of "RC". For instance, the Function ID given to the Loop-B hot leg area-averaged density (Ser. No. = 3209, Tag Name = DAE-151-HLB) is RC 49.

Table 2.2 also includes a brief description of measurement location (and/or variable), indicates measurement range, evaluated accuracy, and gives a statement on data quality for each channel.

Most of the important measurement locations are shown in drawings given in Appendix A of this report.

Experimental data for this test were recorded using two data acquisition systems YEWCOM 7000 and FACOM 3300. The data channels are made up of four groups sampled at different frequencies. Group 1 consists mainly of temperatures.

Group 2 consists mainly of DPs. Group 3 mainly consists of CPs. Group 4 consists of data recorded on FACOM. The group number for each instrumentation channel is also shown in Table 2.2. The data sampling rate was 2 Hz for Group 1, 5 Hz for Group 2, 10 Hz for Groups 3 and 4. The data loggers were turned on 300 s before break. Data reduction and qualification procedures are described in Appendix B of this report.

2.3 Supplemental Description of Data Quality for SB-CL-27

Data quality for each measurement channel is described in Table 2.2, in terms of one of the four statements, i.e., good, bad, unused, or questionable (or unqualified). The meanings of these statements are defined in Appendix B. The followings are supplementary information on data quality for this experiment.

1) Differential pressure measurement

(i) DP along the DVI line (DP 137)

The measurement was saturated between 472 and 524 s, and after 1715 s.

(ii) DP for ACH water level measurement (LE 15, LE 36)

The pressure sensing line for these channels included an ascending portion connected to the ACH tank top. After the tank level started decreasing, the water in this ascending line drained but incompletely. The amount of the residual water is unknown. These channels therefore can be used only to know the qualitative changes in the tank mass inventory.

2) Flowrate data

(i) DVI flowrate (FE 88)

The measurement was saturated between 488 and 491 s.

(ii) Pressurizer-PBL flowrate (FE 86 and 87)

The pressure sensing line for this channel included an ascending portion. After the pressurizer PBL started voiding, the water in this ascending portion drained but incompletely. The amount of the residual water is unknown. The data are therefore not reliable.

3) Water Level

(i) Acc-Cold (ACC) tank (LE 14)

The zero level was defined incorrectly. To obtain the actual water level from the tank bottom, 2 m should be added to the data in the tape and

figures in this report. The definition of the tank bottom elevation (DL.= 0 m) is available on p. 158 of the system description report [1].

2.4 Test Facility and Instrumentation Changes after Previous Test

The modifications to the test facility and instrumentation made between the previous test, Run TR-LF-07 conducted on June 23, 1992, and the present test were as follows.

2.4.1 Gravity-Driven Passive Injection Tank

One of the two accumulator (Acc) tanks of the LSTF, denoted Acc-Hot (ACH) tank, was modified for this experiment to simulate a passive injection tank. The design pressure and temperature of the tank are 11.4 MPa and 594 K, respectively. The configuration of the ACH tank itself, shown on p. 158 of the system description report[1], and its location were unchanged. The modification included installation of a pressure balancing line (PBL) connecting the pressurizer top to the ACH tank top (Fig. 2.2), a PBL connecting the cold leg to the ACH tank top (Fig. 2.3) and a direct vessel injection (DVI) line routing from the ACH tank bottom to the downcomer (Fig. 2.4). Check valves were installed in the DVI line and the pressurizer-PBL, to allow the flows only from the ACH tank to the downcomer and from the pressurizer to the ACH tank, respectively. The piping inner diameters and the flow resistance coefficients are 21.2 mm and 27 for the pressurizer-PBL, 87.3 mm and 62 for the cold leg-PBL and 87.3 mm and 31 for the DVI line, where the flow resistance coefficient is defined with $2\Delta P/\rho v^2$, ΔP is a frictional pressure loss, ρ density, and v fluid velocity. The flow resistance coefficients were obtained from a characterization test conducted using water of room temperature and atmospheric pressure. The inner diameters of the ACH tank nozzles connecting to the DVI line and PBLs are 87.3 mm and 34.4 mm, respectively. The DVI line is connected to the downcomer with a 3-inch (67 mm i.d.) nozzle at the elevation of 4.27 m above the bottom of the core heated length. The piping configurations for the pressurizer PBL, the cold leg PBL and the DVI are shown in Figs. 2.2 through 2.4.

2.4.2 Automatic Depressurization System

A two-stage automatic depressurization system (ADS) was simulated in this test by using available components. The first-stage ADS (ADS-1) was represented by simultaneously opening the power operated relief valve (PORV) and the safety valve

(SV) both connected to the top of the pressurizer. The diameters of flow limiting orifices inserted in the PORV and SV lines were 10.5 and 14.5 mm, respectively. The second-stage ADS (ADS-2) was represented by opening a break unit valve connected to the pressurizer break-simulation nozzle located 3.5 m above the bottom of the pressurizer. (The total height of the LSTF pressurizer is 4.2 m. This value conserves the height-to-diameter ratio of the reference-PWR pressurizer.) The diameter of the flow restricting orifice for ADS-2 was 43.4 mm. The break unit geometry for ADS-2 simulation is shown in Fig. 2.5. The flows out of ADS-1 and ADS-2 were accumulated in the break storage tank (designated "ST") to measure the time-integrated flowrates.

2.4.3 Pump Bypass Line

A pump bypass line was installed to reduce the effects of the loop seal on the manometric pressure balance in the primary system. The piping configurations are shown in Figs. 2.6 and 2.7. The maximum elevation difference between the cold leg and the pump bypass line are 419 and 324 mm for Loop A and B, respectively.

2.4.4 New Instrumentation for SB-CL-27

The new instruments introduced for this experiment were: 5 fluid temperature measurements in the pressurizer PBL (TE 752 through 756), 24 fluid temperature measurements in the ACH tank (TE 757 through 780), 6 flowrate measurements (FE 84 through 91), and 3 differential pressure measurements (DP 135 through 137). The range of each instrument is shown in Table 2.2.

The locations of thermocouples in the pressurizer PBL are shown in Fig. 2.2.

The thermocouples (1.6 mm o.d.) for the measurement of fluid temperature in the ACH tank were fixed along the outer surface of a vertical pipe of 34 mm o.d. and 3 mm in thickness, and located 275 mm away from the tank centerline. The distance between the thermocouple junction and the pipe outer surface was 10 mm.

3. TEST INITIAL CONDITIONS

The initial steady-state conditions for this test, summarized in Table 3.1, differed from the standard initial conditions for the LSTF SBLOCA tests. This happened mainly because the design pressure of the ACH tank, used as the passive injection tank, was 11.4 MPa and was lower than the standard initial pressure of 15.5 MPa. The initial pressure was, therefore, designed to be 11.3 MPa at the pressurizer. The real initial pressure obtained in the experiment was 11.23 MPa.

The ACH tank was initially filled with cold water of about 300 K. The pressurizer PBL was kept open during the initial steady state to maintain the tank pressure to be the same as the pressurizer pressure. The valves in other two connecting lines, the cold leg-PBL and the DVI line, were initially closed. The pressurizer-PBL appears to have been initially liquid-filled up to the top, i.e., 6.16 m above the ACH tank top, as the steam from the pressurizer was condensed in this line due to environmental heat losses. A temperature stratification was observed in this line, reaching the saturation temperature at the top of this line, and reaching almost the room temperature near the connection to the ACH tank.

The hot-leg and cold-leg initial temperatures were 588 and 555 K, respectively, which were slightly different from those for the standard tests. These values were based on the Idaho National Engineering Laboratory analysis of AP600 SBLOCA transients^[4]. The secondary side pressure was 6.5 MPa, which was also different from the value for the standard test of 7.3 MPa. The initial power was 10 MW. The hot leg leak simulation line was kept closed throughout the test.

4. TEST BOUNDARY CONDITIONS AND PROCEDURES

4.1 Break Conditions

The break unit was connected to the cold leg top-break nozzle (N-7), oriented vertically upward, in the Loop-B (the loop without pressurizer) as shown in Fig. 4.1. The geometry of the break unit is shown in Fig. 4.2. It included a sharp-edged thin-plate break orifice of 16 mm in diameter (Fig. 4.3) which was mounted flush with the cold leg inner surface. The orifice flow area was 2.5% of the volumetrically (1/48) scaled flow area of the reference PWR cold leg. The break flow was routed from the break unit into subcooled water in the catch tank (designated "ST") to condense the steam component. The break flowrate was evaluated by differentiating with respect to time the tank water level measured with differential pressure transducers. To stabilize steam condensation in the catch tank, air was injected at a rate of 30 Nm³/h into the break-flow blowdown line.

4.2 Operational Setpoints and Failure Assumptions

The operational setpoints used in this test are listed in Table 4.1. The setpoints differed from the LSTF standard ones because of the lower-than-standard initial pressure (11.23 MPa) in the primary system. Since the initial primary pressure was lower than the PWR setpoint pressures for scram and safety injection (SI) signals, these signals were sent at the same time as the break initiation. The setpoint pressures for the opening and closure of the SG relief valve were also different from the LSTF standard ones. These setpoint values were based on Ref. [4].

4.3 Post-Scram Core Power Decay

The time history of the core electric power for this test is shown in Fig. 4.4. The core power was regulated by the test sequence controller, CENTUM, to simulate the post-scram core power decay in the reference PWR. The decay curve used in this test, designated the JAERI-new power decay curve^[5] in the ROSA-IV program and tabulated in Table 4.2, was developed by considering the fission product decay, fission power decay and delayed neutron effects as well as the release of the fuel stored heat.

Since the maximum core power available in the LSTF is limited to 10 MW, i.e., 14% of the 1/48 scaled PWR nominal power, the power decay is not initiated immediately after the generation of the scram signal; the initial core power of 10 MW is maintained until the scaled PWR core decay power drops to 10 MW at 18 s after the

scram signal^[5]. After this time, the core electric power is regulated to follow the scaled PWR core power decay.

This test was conducted with the Case-3 core power radial distribution (see Fig. 5.6.2 of Ref. [1]) with a radial peaking factor of 1.51.

The core power was turned off at 2807s, after heatups of the core heater rods were detected.

4.4 Pressurizer Heaters and Spray Control

Figure 4.5 shows the pressurizer heater powers vs. time. The heater powers were tripped off, with small unintended delays, when the pressurizer level dropped below the setpoint level of 1.0 m above the bottom. The pressurizer spray was turned off immediately (1 s) after break automatically.

4.5 Pump Coastdown Control

Figure 4.6 shows the primary coolant pump speed. The pump speed decay was controlled by CENTUM according to a preprogrammed decay characteristics. The speed was first increased automatically after break until pump coastdown was initiated at 8 s by the scram signal. This increase in pump speed is part of the LSTF standard test procedure, and is done for better simulation of PWR pressure and temperature transients after scram^[6]. The decay curve was the same as one used in previous LSTF SBLOCA tests. The pump speed control ended at 250 s after break, as the power to the pumps was turned off.

4.6 Operational Conditions for Safety Injection System and ADS

Control logic for valves in the gravity-driven safety injection system, ADS and the accumulator injection system are summarized in Table 4.3. Valves in the DVI line and the cold leg PBL were opened at the same time as the break. The first- and second-stage ADS valves were specified to open when the primary system pressure decreased to 6 and 1.3 MPa, respectively. These setpoint pressures were based on the prediction results in Ref. [4].

The accumulator (ACC) injection valve was opened when the pressurizer pressure decreased to 4.5 MPa. The ACC tank was connected to the nozzle N-14 A in the cold leg A. The initial tank water level was 5.815 m. The ACC injection was terminated when the water level decreased to 2.25 m.

The active injection systems available in the LSTF, i.e., the high pressure injection (HPI) system and the low pressure injection (LPI) system, as well as the auxiliary feedwater (AFW) system for the secondary side, were unused in this experiment.

4.7 Pump Bypass Line

The valve in each pump bypass line was opened when the reactor coolant pump stopped (250 s). This logic was chosen so that this line would not affect the pump performance and also that this line should be open before any differential pressure is created in the loop seal section.

5. TEST RESULTS

The chronology of major events in Run SB-CL-27 is shown in Table 5.1. The timings of events were read from the Event Record File (ERF) created on the YEWCOM data logger for those events which were recorded therein, e.g., valve closure and opening, and from the experimental data for other events. Table 5.2 shows a listing of ERF. The test was initiated at time 0 s (20:48:12 on September 17, 1992) by opening the break valve, and was terminated at 2812 s by closing the same valve.

5.1 Primary/Secondary Pressure Responses and Trip-Initiated Events

The primary and secondary pressure responses are shown in Figs. 5.1 and 5.2. The primary system depressurized quickly after break. The scram signal and the safety injection signals were generated at the time of break.

The scram signal initiated the core power decay, after maintaining the initial core power (10 MW) for 21 s (see 4.3), tripped off the main feedwater at 1 s, and initiated the closure of the main steam valves at 1 s. The feedwater and steam flowrates are shown in Figs. 5.3 and 5.4 for SGA and SGB, respectively.

The safety injection signal tripped open the valves in the cold leg-PBL and the DVI line, enabling injection from the ACH tank to occur.

Loss of offsite power was assumed to occur concurrently with scram. Thus, the scram signal also initiated the coastdown of coolant pump speed which had been raised after break (see Fig. 4.6). The turbine bypass system was unused because of the same assumption.

The secondary system pressure (Figs. 5.1 and 5.2) increased, for both loops, after the closure of the steam valve. The SGs were isolated after scram from both the steam and feedwater lines as shown in Figs. 5.3 and 5.4; neither AFW nor turbine bypass systems was used for this test. The water levels in the SGA and SGB secondary sides are shown in Figs. 5.5 and 5.6. The water levels did not change much throughout the test.

The primary pressure became lower than the secondary side pressure at 286 s as shown in Fig. 5.2 as the break flow changed to a high-quality two-phase flow. The first- and second-stage ADS opened at primary pressures of 6.0 MPa (417 s) and 1.2 MPa (1620 s), respectively, and the accumulator injection initiated at 4.5 MPa (474 s) and terminated at 1361 s.

5.2 Loop Flowrates

The loop flowrate (Figs. 5.7 and 5.8), measured at the pump suction leg, was symmetric between the two loops during the quick flow decay following the pump coastdown initiated by the scram signal. The flow measurement was meaningful until about 180 s. After this time, the flowrates were smaller than the lower end of the measurement range. Natural circulation through the SGs did not play a significant role in this experiment since the primary pressure became lower than the SG secondary side pressure early in the transient (286 s).

The flowrates in the pump bypass line shown in Figs. 5.9 and 5.10 are not quantitatively meaningful because the flow changed to a two-phase flow immediately after the opening of the valve therein at 250 s.

5.3 Break Flowrate

The break flow measurement with use of the break unit venturi was unavailable for this test since the break orifice was mounted flush with the inner surface of the broken hot leg piping.

Figure 5.11 shows the system discharge flowrates derived from the level rise in the catch tank (ST). Before ADS-1 actuation at 417 s, the measured discharge flowrate represented the break flowrate, and after this time the sum of the break flowrate and the ADS flowrates. The initiation of ADS-2 at 1620 s increased markedly the total discharge rate.

It appears from Fig. 5.11 that a transition occurred in the discharge flow at 269 s from a single-phase or low-quality two-phase flow to a high-quality two-phase flow. This result is consistent with the level behavior in the broken cold leg (Fig. 5.24).

5.4 Water Levels in Pressurizer

The water level in the pressurizer is shown in Fig. 5.12. The pressurizer became empty of liquid at 77 s. The water level recovered after 423 s due to the actuation of ADS-1 (417 s) connected to the top of the pressurizer; the water in the primary loops and the vessel was carried over into the pressurizer. The initiation of ADS-2 at 1623 lowered the pressurizer collapsed level since the ADS-2 nozzle was located 0.7 m below the pressurizer top (3.5 m above the bottom). Also, the void increase in the pressurizer associated with the depressurization may have resulted in the decrease in the collapsed level.

The differential pressure along the pressurizer surge line is shown in Fig. 5.13. The absolute value of the differential pressure decreased at 38 s after the pressurizer level was lost, and increased immediately after the ADS actuation.

5.5 Mass Inventory Distribution in the Primary Loop

The water levels in the hot legs are shown in Figs. 5.14 and 5.15. The levels were calculated from the fluid densities measured with three-beam densitometers. The flow regime was assumed to be a stratified two-phase flow in this calculation. The levels nearly agreed between the two loops.

The differential pressures in the SG U-tubes, SG inlet plenum and the hot leg riser part are shown in Figs. 5.16 through 5.21. Voiding initiated at about 80 s in the U-tubes and about 430 s in the SG inlet plenum. Liquid remained in the SG inlet plenum until 1710 s, i.e., until the hot leg level started decreasing. The total differential pressure associated with this liquid holdup on the SG was 10 to 12 kPa, for both SGs, between 500 to 1700 s. This liquid holdup appears to have resulted from steam flow through the U-tubes to the cold leg side, due to the break flow and also probably to steam condensation in the cold legs. The U-tubes were essentially empty after 400 s (note that the primary pressure became lower than the secondary pressure at 286 s).

The differential pressures in the upper plenum and the core are shown in Fig. 5.22. The upper plenum differential pressures decreased after break due to voiding. It increased for a while after ADS-2 initiated at 1623 s since the discharge through ADS lowered the upper plenum pressure relative to the downcomer steam-phase pressure (Fig. 5.23) and therefore the subcooled fluid in the downcomer was delivered into the core region. The upper plenum differential pressure decreased again after the termination of the water injection from the ACH and ACC tanks.

The core differential pressures decreased after break due to voiding, increased after the ACC injection, and decreased after about 1850 s because of the termination of the injection (1361 s for ACC and 1850 s for ACH). The top part of the core was exposed to steam environment at about 2615 s.

The differential pressure between the upper plenum and the downcomer is shown in Fig. 5.23. The pressure in the upper plenum was higher than in the downcomer until 1810 s because of the liquid holdup in the SG inlet plenum.

The water levels in the cold legs are shown in Figs. 5.24 and 5.25. The levels were calculated from the fluid densities measured with three-beam densitometers. The flow regime was assumed to be a stratified two-phase flow in this calculation.

The levels nearly agreed between the two loops. The water level decreased after 307 s and increased after 462 s due to the actuation of the accumulator injection.

The differential pressures in the downcomer and the loop seals are shown in Figs. 5.26 through 5.28. The differential pressures in the downcomer decreased after about 1880 s because of the termination of injections from the ACH and ACC tanks. The water levels in the loop seal downflow side decreased to the level of the pump bypass line nozzle at 250 s. The loop seal clearing did not occur in either loop due to the existence of the pump bypass line.

5.6 Fluid temperatures in Cold Leg and Downcomer

The fluid temperatures in the cold leg and the downcomer are shown in Figs. 5.29 through 5.34. The fluid in the cold leg became subcooled after 192 s due to injection of cold water from the ACH and ACC tanks. After the termination of the ACC injection (1361 s), the cold leg temperature started increasing. The fluid in the downcomer was also subcooled due to the injection of cold water from the ACH and ACC tanks.

The pressures and water levels in the ACC tank are shown in Figs. 5.35 and 5.36. The injection flowrate from the ACC tank is shown in Fig. 5.37. The injection started at 474 s and was terminated at 1361 s as the setpoint level for closure of the injection valve was reached.

5.7 Flowrates in Cold Leg-PBL and DVI Line

The valves in these lines were opened by the safety injection (SI) signal at the beginning of the experiment. Then, a natural circulation flow initiated immediately in a loop which was formed by these lines, the ACH tank, and part of the cold leg and downcomer. The flow was driven by the fluid density distribution along this loop. This natural circulation continued until the ACH tank started emptying at 475 s. The mass flowrates in the cold leg-PBL and DVI line are shown in Fig. 5.38. After 350 s, the collapsed water levels in the cold leg PBL showed oscillations, due probably to flashing of liquid therein or vapor flow from the cold leg, as shown in Fig. 5.39. That is, the later part of the natural circulation period was no longer a stable single-phase natural circulation but the flow through the cold leg PBL was a two-phase flow.

The volumetric flowrates in the DVI line and cold-leg PBL are compared in Fig. 5.40. The volumetric flowrates calculated from these mass flow rates agreed well

until the cold-leg PBL changed to a two-phase flow at about 350 s. After this time, the PBL flow measurement was not meaningful.

As shown in Fig. 5.38, the DVI line flowrates were oscillatory after 475 s. The characteristic time period of the oscillations ranged from 20 to 100 s. The flowrate amplitudes were 1 to 4 kg/s. The injection continued until the ACH tank became empty at about 1850 s.

The fluid temperatures in the cold leg nozzle for the PBL are compared with the saturation temperature in Fig. 5.41. The fluid in the nozzle was subcooled between 238 s and 400 s due to the cold water injection from the ACH tank. As the ACH injection rate increased after 475 s, the fluid in the nozzle became subcooled again and remained so until 1470 s. This indicates that much vapor did not go into the ACH tank through the cold leg PBL during the tank drain-down.

5.8 Thermal Stratification in the ACH tank

Figures 5.42 through 5.44 show fluid temperatures in the ACH tank. Figure 5.45 shows comparison between the saturation temperatures and the fluid temperatures at the tank-top nozzle connecting to the PBLs. Figure 5.46 shows the axial temperature profiles in the tank including the tank-top nozzle for three representative times before the tank water level started dropping. The figure shows an accumulation of hot water in the upper part of the tank. The hot water from the cold leg replaced the cold water in the top part of the tank, resulting in a significant thermal stratification. The thickness of the hot region grew to about 2.7 m (40% of the total tank height) before the tank started emptying at 475 s.

Early in the transient (e.g., 200 s), the fluid temperature measured 0.11 m below the tank top was still much lower than that in the nozzle. The fluid in the nozzle was almost saturated after 140 s as shown in Fig. 5.45. Since the fluid velocity in the nozzle was as large as 3 m/s, it is likely that a jet-like multidimensional mixing occurred in the upper part of the tank; a hot jet penetrated downward in the tank central region and the colder fluid remained in the peripheral region. An "inverted" temperature distribution measured at 425 s (Fig. 5.46), where the temperature at 6.14 m was slightly higher than that at 6.61 m, may have resulted from such multidimensional mixing.

Fluid temperatures vs. time at the top, middle and bottom regions in the ACH tank are shown in Fig. 5.47. The fluid temperature at each location remained at the initial value of about 305 K until a rapid increase occurred toward the saturation temperature. This indicates that the thermally-stratified liquid layer, saturated at its top, moved downward as the water surface dropped. After the temperature reached

the saturation temperature, it decreased with the decrease in system pressure. After the saturation temperature dropped below 450 K, the measured steam temperatures departed from the saturation temperature, starting from the top thermocouple to the lower ones, due probably to superheated vapor which came from PBLs.

When looked further in detail, the fluid temperature at each elevation showed a peculiar behavior indicating the existence of a superheated fluid layer near the water surface. As will be shown in Fig. 5.72, a fluid superheating of about 3 K was measured for about 200 s time period bounded by t_I and t_E , where t_I denotes the time at which the measured temperature reached the saturation temperature for the first time, and t_E the time at which the temperature returned to the saturation temperature. Similar behavior was observed at all the TC elevations except the top one (6.6 m) as shown in Figs. 5.49 through 5.71. Although the nominal uncertainties in the measurement of the saturation temperature and fluid temperature are about 2 K, the actual accuracy was better since a good agreement was obtained between these two temperatures after t_E . This means that the measured superheating was well greater than the measurement uncertainties. These experimental results indicate the existence of a superheated liquid layer beneath the water surface as discussed in Ref. [7].

5.9 Water Level Behavior in the ACH tank and Cold Leg-PBL

Figure 5.72 shows times t_I and t_E defined in Fig. 5.48, and the time at which fluid temperature increased to 350 K (hereafter referred to as t_{350K}), for the individual thermocouple elevations. The times t_I and t_E are listed in Table 5.3. Also plotted in Fig. 5.72 are two loci calculated for fluid particles leaving the tank top at 0 s and 475 s, respectively. The loci were calculated by integrating the fluid velocities in the tank which was estimated from the measured flowrate in the DVI line, with an assumption of a one-dimensional fluid motion in the tank. The locus leaving the tank top at 475 s agrees well with the plot of t_E vs. elevation. This suggests that the latter represents the elevation of the water surface vs. time. Although the tank level measurement was not achieved in this experiment, due to voiding in the differential pressure sensing line (see 2.3), data from a later experiment, Run SB-CL-28 has shown that the t_E -vs.-elevation plot really agrees to the measured collapsed water level vs. time, as shown in Ref. [7].

In Fig. 5.72, the plot of t_{350K} represents the lower edge of the hot fluid layer which descended with time. This figure indicates that the thickness of the hot water layer did not change much during the tank drain-down. The plot of t_{350K} also agrees well with the locus leaving the tank top at 0 s. These results suggest that the

flow in the injection tank was one-dimensional in general, and that the thermal energy transport in the liquid region occurred due mainly to convection rather than axial conduction.

The present experimental result indicates that direct-contact condensation did not occur in the tank because of thermal stratification beneath the water surface. This finding is major since the adverse effect of condensation on the injection head is one of the concerns for the performance of the passive injection systems.

The ACH tank became empty of liquid at about 1850 s according to the temperature measurements (Fig. 5.72).

6. CONCLUSIONS

A gravity-driven passive injection experiment Run SB-CL-27 was successfully conducted at the ROSA-IV LSTF simulating a small-break (2.5% in area) LOCA at the cold leg in a PWR. The following conclusions have been obtained from the experimental analysis.

- 1) A natural circulation flow of hot water coming from the cold leg into the passive injection tank occurred before the tank started emptying. This caused thermal stratification in the tank, involving an accumulation of hot fluid above the cold water which initially filled the tank. The fluid mixing behavior in the upper part of the tank was multidimensional.
- 2) After the tank started emptying, a superheated liquid layer formed beneath the water surface as a result of the thermal stratification established in the preceding phase and of the system depressurization caused by the operation of ADS. The thermal stratification prevented condensation-induced depressurization in the tank from occurring, while such depressurization could have affected adversely the injection performance. The data suggest that evaporation, rather than condensation, occurred on the water surface during the injection from the tank.
- 3) The flow in the injection tank was essentially one-dimensional during the injection period. This is known since the thickness of the hot water accumulated region remained almost constant.

ACKNOWLEDGMENT

The authors are thankful to Mr. Y. Shimane and Miss K. Toyoda for the preparation of data plots.

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Table 2.1 Major Design Characteristics of LSTF

		LSTF	PWR	PWR/LSTF
Pressure	(MPa)	16	16	1
Temperature	(K)	598	598	1
No. of fuel rods		1064	50952	48
Core height	(m)	3.66	3.66	1
Fluid volume V	(m ³)	7.23	347	48
Core Power P	(MW)	10	3423(t)	342
P/V	(MW/m ³)	1.4	9.9	7.1
Core inlet flow	(ton/s)	0.0488	16.7	342
Downcomer gap	(m)	0.053	0.260	4.91
Hot leg D	(m)	0.207	0.737	3.56
L	(m)	3.69	6.99	1.89
$L/\sqrt{D}$	(m ^{1/2})	8.15	8.15	1.0
$\frac{\pi}{4}D^2L$	(m ³)	0.124	2.98	24.0
No. of loops		2	4	2
No. of tubes in steam generator		141	3382	24
Length of steam generator tube (average)	(m)	20.2	20.2	1.0

Table 2.2 Measurement List for SB-CL-27

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 1					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DOV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LG HI		UNIT	UNCERTAINTY ABS. REL.(2)		
1	TE 1	TE010A-HLA	HLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
2	TE 2	TE010B-HLA	HLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
3	TE 3	TE010C-HLA	HLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
4	TE 4	TE010D-HLA	HLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
5	TE 5	TE010E-HLA	HLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
6	TE 6	TE020C-HLA	HLA Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
7	TE 7	TE020D-HLA	HLA Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
8	TE 8	TE030C-HLA	HLA Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
9	TE 9	TE030D-HLA	HLA Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
13	TE 13	TE040D-HLA	HLA SG Side CPT	UNUSED	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
14	TE 14	TE040E-HLA	HLA SG Side CPT	UNUSED	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
15	TE 15	TE050C-LSA	LSA Fluid	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
16	TE 16	TE070C-CLA	CLA Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
17	TE 17	TE070D-CLA	CLA Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
18	TE 18	TE080C-CLA	CLA Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
19	TE 19	TE080D-CLA	CLA Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
20	TE 20	TE090A-CLA	CLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
21	TE 21	TE090B-CLA	CLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
22	TE 22	TE090C-CLA	CLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
23	TE 23	TE090D-CLA	CLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
24	TE 24	TE090E-CLA	CLA Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
25	TE 25	TE100-HLA	HLA-CLA Average	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
26	TE 26	TE150A-HLB	HLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
27	TE 27	TE150B-HLB	HLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
28	TE 28	TE150C-HLB	HLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
29	TE 29	TE150D-HLB	HLB Vessel Side CPT	BAD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
30	TE 30	TE150E-HLB	HLB Vessel Side CPT	BAD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
31	TE 31	TE160C-HLB	HLB Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
32	TE 32	TE160D-HLB	HLB Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
33	TE 33	TE170C-HLB	HLB Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
34	TE 34	TE170D-HLB	HLB Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
38	TE 38	TE180D-HLB	HLB SG Side CPT	UNUSED	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
39	TE 39	TE180E-HLB	HLB SG Side CPT	UNUSED	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
40	TE 40	TE190C-LSB	LSB Fluid	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
41	TE 41	TE210C-CLB	CLB Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
42	TE 42	TE210D-CLB	CLB Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
43	TE 43	TE220C-CLB	CLB Fluid at Pipe Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
44	TE 44	TE220D-CLB	CLB Fluid at Pipe Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
45	TE 45	TE230A-CLB	CLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
46	TE 46	TE230B-CLB	CLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
47	TE 47	TE230C-CLB	CLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
48	TE 48	TE230D-CLB	CLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
49	TE 49	TE230E-CLB	CLB Vessel Side CPT	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
50	TE 50	TE240-HLB	HLB-CLB Average	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
51	TE 51	TE270C-PR	PR Spray Line	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
52	TE 52	TE280C-PR	PR Surge Line	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
53	TE 53	TE290-PR	PR Relief Valve	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
54	TE 54	TE300-PR	PR Safety Valve	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
55	TE 55	TE430-SGA	SGA Feedwater Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
56	TE 56	TE440-SGA	SGA Main Steam Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
57	TE 57	TE450-SGA	SGA Relief Valve Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
58	TE 58	TE460-SGA	SGA Safety Valve Line	UNUSED	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
59	TE 59	TE470-SGB	SGB Feedwater Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
60	TE 60	TE480-SGB	SGB Main Steam Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
61	TE 61	TE490-SGB	SGB Relief Valve Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
62	TE 62	TE500-SGB	SGB Safety Valve Line	UNUSED	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
63	TE 63	TE510-SH	MSL Steam Header	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
64	TE 64	TE520-JC	JC Hot Water	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
65	TE 65	TE530-JC	PF Suction Line	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
66	TE 66	TE540-JC	JC Spray Water	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
67	TE 67	TE550-JC	JC Steam Vent Line	QUESTIONABLE	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
68	TE 68	TE431-SGA	SGA Downcomer A	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
69	TE 69	TE432-SGA	SGA Downcomer B	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
70	TE 70	TE433-SGA	SGA Downcomer C	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
71	TE 71	TE434-SGA	SGA Downcomer D	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
72	TE 72	TE471-SGB	SGB Downcomer A	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
73	TE 73	TE472-SGB	SGB Downcomer B	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
74	TE 74	TE473-SGB	SGB Downcomer C	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
75	TE 75	TE474-SGB	SGB Downcomer D	GOOD	1	2.700+2	6.700+2	K	3.108+0	7.770-1	
76	TE 76	TE560C-BU	BU No.1 Upstream Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
77	TE 77	TE560D-BU	BU No.1 Upstream Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
78	TE 78	TE570C-BU	BU No.1 Downstream Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
79	TE 79	TE570D-BU	BU No.1 Downstream Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
80	TE 80	TE580C-BU	BU No.2 Upstream Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
81	TE 81	TE580D-BU	BU No.2 Upstream Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
82	TE 82	TE590C-BU	BU No.2 Downstream Top	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
83	TE 83	TE590D-BU	BU No.2 Downstream Bottom	GOOD	1	2.700+2	7.200+2	K	3.307+0	7.350-1	
84	TE 84	TE600-ST	ST Inlet Line	QUESTIONABLE	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
85	TE 85	TE610-ST	ST Bottom Region	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
86	TE 86	TE620-ST	ST Middle Region	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
87	TE 87	TE630-ST	ST Top Region	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
88	TE 88	TE640-ST	ST Spray Line	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
89	TE 89	TE650-ACC	Cold Acc Tank Bottom	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
90	TE 90	TE660-ACC	Cold Acc Tank Top	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	
91	TE 91	TE670-ACC	Cold Acc Line to CLA	GOOD	1	2.700+2	4.700+2	K	2.304+0	1.152+0	

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. S8-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 2			
LCF REV DATE 92-10-05				LCV XXX	RCV YYY	DQV SCR	RUN DATE 93-12-03		
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(X)	
92	TE 92	TE680-ACC	Cold Acc Line to CLB	G000	1	2.700+2 4.700+2	K	2.304+0	1.152+0
93	TE 93	TE690-ACH	Hot Acc Tank Bottom	G000	1	2.700+2 5.700+2	K	2.706+0	9.020-1
94	TE 94	TE700-ACH	Hot Acc Tank Top	G000	1	2.700+2 5.700+2	K	2.706+0	9.020-1
95	TE 95	TE710-ACH	Hot Acc Line to CLA	G000	1	2.700+2 5.700+2	K	2.706+0	9.020-1
96	TE 96	TE720-ACH	Hot Acc Line to CLB	G000	1	2.700+2 5.700+2	K	2.706+0	9.020-1
97	TE 97	TE730-HLA	HLA ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
98	TE 98	TE740-LSA	LSA ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
99	TE 99	TE750-CLA	CLA ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
100	TE 100	TE760-HLB	HLB ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
101	TE 101	TE770-LSR	LSR ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
102	TE 102	TE780-CLB	CLB ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
103	TE 103	TE790-PV	PV Bottom ECCS Nozzle	UNUSED	1	2.700+2 6.700+2	K	3.108+0	7.770-1
104	TE 104	TE800-PV	PV Top ECCS Nozzle	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
106	TE 106	TE820-PL	RHR Inlet Region	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
107	TE 107	TE830-PL	RHR Outlet Region	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
108	TE 108	TE840-PL	RHR Injection Line	G000	1	2.700+2 6.700+2	K	3.108+0	7.770-1
109	TE 109	TE850-PL	RHR Sec. Inlet Line	G000	1	2.700+2 4.700+2	K	2.304+0	1.152+0
110	TE 110	TE860-PL	RHR Sec. Inlet Region	G000	1	2.700+2 4.700+2	K	2.304+0	1.152+0
111	TE 111	TE870-PL	RHR Sec. Steam Vent Line	G000	1	2.700+2 4.700+2	K	2.304+0	1.152+0
112	TE 112	TE880-RVST	RVST Tank Lower Region	G000	1	2.700+2 3.700+2	K	1.902+0	1.902+0
113	TE 113	TE890-RVST	RVST Tank Middle Region	G000	1	2.700+2 3.700+2	K	1.902+0	1.902+0
114	TE 114	TE900-EX	N2 Gas Line	UNUSED	1	2.700+2 3.700+2	K	1.902+0	1.902+0
115	TE 115	TE-E066F-PV	Upper Head Bottom	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
116	TE 116	TE-W066F-PV	Upper Head Bottom	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
117	TE 117	TE-E075F-PV	Upper Head Middle	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
118	TE 118	TE-W075F-PV	Upper Head Middle	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
119	TE 119	TE-E081F-PV	Upper Head Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
120	TE 120	TE-W081F-PV	Upper Head Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
121	TE 121	TE-E080H-PV	CR Guide Tube Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
122	TE 122	TE-W080H-PV	CR Guide Tube Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
123	TE 123	TE-E049F-PV	Upper Plenum Bottom	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
124	TE 124	TE-W049F-PV	Upper Plenum Bottom	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
125	TE 125	TE-E055F-PV	Upper Plenum Middle	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
126	TE 126	TE-W055F-PV	Upper Plenum Middle	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
127	TE 127	TE-E060F-PV	Upper Plenum Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
128	TE 128	TE-W060F-PV	Upper Plenum Top	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
129	TE 129	TE-1N038-809-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
130	TE 130	TE-1N038-811-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
131	TE 131	TE-1N038-801-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
132	TE 132	TE-1N038-803-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
133	TE 133	TE-1N038-805-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
134	TE 134	TE-1N038-807-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
135	TE 135	TE-1N038-821-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
136	TE 136	TE-1N038-823-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
137	TE 137	TE-1N038-802-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
138	TE 138	TE-1N038-806-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
139	TE 139	TE-1N038-814-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
140	TE 140	TE-1N038-815-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
141	TE 141	TE-1N038-818-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
142	TE 142	TE-1N038-819-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
143	TE 143	TE-1N038-810-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
144	TE 144	TE-1N038-812-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
145	TE 145	TE-1N038-804-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
146	TE 146	TE-1N038-808-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
147	TE 147	TE-1N038-822-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
148	TE 148	TE-1N038-824-UCP	Below Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
149	TE 149	TE-EX040-809-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
150	TE 150	TE-EX040-811-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
151	TE 151	TE-EX040-801-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
152	TE 152	TE-EX040-803-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
153	TE 153	TE-EX040-805-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
154	TE 154	TE-EX040-807-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
155	TE 155	TE-EX040-821-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
156	TE 156	TE-EX040-823-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
157	TE 157	TE-EX040-802-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
158	TE 158	TE-EX040-806-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
159	TE 159	TE-EX040-814-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
160	TE 160	TE-EX040-815-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
161	TE 161	TE-EX040-818-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
162	TE 162	TE-EX040-819-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
163	TE 163	TE-EX040-810-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
164	TE 164	TE-EX040-812-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
165	TE 165	TE-EX040-804-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
166	TE 166	TE-EX040-808-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
167	TE 167	TE-EX040-822-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
168	TE 168	TE-EX040-824-UCP	Above Upper Core Plate	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
169	TE 169	TE-1N-002802-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
170	TE 170	TE-1N-002803-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
171	TE 171	TE-1N-002806-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
172	TE 172	TE-1N-002807-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
173	TE 173	TE-1N-002809-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
174	TE 174	TE-1N-002811-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
175	TE 175	TE-1N-002814-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
176	TE 176	TE-1N-002816-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1
177	TE 177	TE-1N-002818-LCPP	Below Lower Core Plate	G000	1	2.700+2 7.200+2	K	3.307+0	7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 3			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQR SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ARS. REL.(%)
178	TE 178	TE-IN-002820-LCPP	Below Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
179	TE 179	TE-IN-002821-LCPP	Below Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
180	TE 180	TE-IN-002823-LCPP	Below Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
181	TE 181	TE-EX-000802-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
182	TE 182	TE-EX-000803-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
183	TE 183	TE-EX-000806-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
184	TE 184	TE-EX-000807-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
185	TE 185	TE-EX-000809-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
186	TE 186	TE-EX-000811-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
187	TE 187	TE-EX-000814-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
188	TE 188	TE-EX-000816-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
189	TE 189	TE-EX-000818-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
190	TE 190	TE-EX-000820-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
191	TE 191	TE-EX-000821-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
192	TE 192	TE-EX-000823-LCPP	Above Lower Core Plate	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
193	TE 193	TE-M000C-DC	Downcomer EL.0.0m,North	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
194	TE 194	TE-S000C-DC	Downcomer EL.0.0m,South	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
195	TE 195	TE-E000C-DC	Downcomer EL.0.0m,East	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
196	TE 196	TE-W000C-DC	Downcomer EL.0.0m,West	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
197	TE 197	TE-M018C-DC	Downcomer EL.1.8m,North	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
198	TE 198	TE-S018C-DC	Downcomer EL.1.8m,South	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
199	TE 199	TE-E018C-DC	Downcomer EL.1.8m,East	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
200	TE 200	TE-W018C-DC	Downcomer EL.1.8m,West	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
201	TE 201	TE-M036C-DC	Downcomer EL.3.6m,North	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
202	TE 202	TE-S036C-DC	Downcomer EL.3.6m,South	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
203	TE 203	TE-E036C-DC	Downcomer EL.3.6m,East	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
204	TE 204	TE-W036C-DC	Downcomer EL.3.6m,West	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
205	TE 205	TE-M060C-DC	Downcomer EL.6.0m,North	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
206	TE 206	TE-S060C-DC	Downcomer EL.6.0m,South	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
207	TE 207	TE-E060C-DC	Downcomer EL.6.0m,East	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
208	TE 208	TE-W060C-DC	Downcomer EL.6.0m,West	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
209	TE 209	TE-M055C-DC	Downcomer EL.5.5m,North	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
210	TE 210	TE-S055C-DC	Downcomer EL.5.5m,South	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
211	TE 211	TE-C-021-LP	Lower Plenum EL.-2.1m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
212	TE 212	TE-C-018-LP	Lower Plenum EL.-1.8m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
213	TE 213	TE-C-015-LP	Lower Plenum EL.-1.5m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
214	TE 214	TE-C-012-LP	Lower Plenum EL.-1.2m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
215	TE 215	TE-C-009-LP	Lower Plenum EL.-0.9m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
216	TE 216	TE-C-006-LP	Lower Plenum EL.-0.6m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
217	TE 217	TE-C-003-LP	Lower Plenum EL.-0.3m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
218	TE 218	TE-C-003-LP	Lower Plenum EL.-0.3m,C	G00D		1	2.700+2 7.200+2	K	3.307+0 7.350-1
219	TE 219	TE-B18621	B18 Rod(6,2) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
220	TE 220	TE-B18622	B18 Rod(6,2) Pos.2,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
221	TE 221	TE-B18623	B18 Rod(6,2) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
222	TE 222	TE-B18624	B18 Rod(6,2) Pos.4,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
223	TE 223	TE-B18625	B18 Rod(6,2) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
224	TE 224	TE-B18626	B18 Rod(6,2) Pos.6,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
225	TE 225	TE-B18627	B18 Rod(6,2) Pos.7,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
226	TE 226	TE-B18628	B18 Rod(6,2) Pos.8,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
227	TE 227	TE-B18629	B18 Rod(6,2) Pos.9,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
234	TE 234	TE-B14262	B14 Rod(2,6) Pos.2,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
235	TE 235	TE-B14264	B14 Rod(2,6) Pos.4,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
236	TE 236	TE-B14268	B14 Rod(2,6) Pos.8,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
253	TE 253	TE-B09661	B09 Rod(6,6) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
256	TE 256	TE-B09663	B09 Rod(6,6) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
257	TE 257	TE-B09665	B09 Rod(6,6) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
258	TE 258	TE-B09666	B09 Rod(6,6) Pos.6,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
259	TE 259	TE-B09667	B09 Rod(6,6) Pos.7,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
260	TE 260	TE-B09669	B09 Rod(6,6) Pos.9,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
273	TE 273	TE-B14261	B14 Rod(2,6) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
274	TE 274	TE-B14263	B14 Rod(2,6) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
275	TE 275	TE-B14265	B14 Rod(2,6) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
276	TE 276	TE-B14266	B14 Rod(2,6) Pos.6,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
277	TE 277	TE-B14267	B14 Rod(2,6) Pos.7,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
278	TE 278	TE-B14269	B14 Rod(2,6) Pos.9,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
279	TE 279	TE-B15261	B15 Rod(2,6) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
280	TE 280	TE-B15263	B15 Rod(2,6) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
281	TE 281	TE-B15265	B15 Rod(2,6) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
282	TE 282	TE-B15266	B15 Rod(2,6) Pos.6,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
283	TE 283	TE-B15267	B15 Rod(2,6) Pos.7,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
284	TE 284	TE-B15269	B15 Rod(2,6) Pos.9,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
291	TE 291	TE-B15262	B15 Rod(2,6) Pos.2,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
292	TE 292	TE-B15264	B15 Rod(2,6) Pos.4,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
293	TE 293	TE-B15268	B15 Rod(2,6) Pos.8,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
294	TE 294	TE-B23221	B23 Rod(2,2) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
295	TE 295	TE-B23223	B23 Rod(2,2) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
296	TE 296	TE-B23225	B23 Rod(2,2) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
297	TE 297	TE-B23226	B23 Rod(2,2) Pos.6,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
298	TE 298	TE-B23227	B23 Rod(2,2) Pos.7,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
299	TE 299	TE-B23229	B23 Rod(2,2) Pos.9,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
300	TE 300	TE-B20661	B20 Rod(6,6) Pos.1,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
301	TE 301	TE-B20662	B20 Rod(6,6) Pos.2,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
302	TE 302	TE-B20663	B20 Rod(6,6) Pos.3,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
303	TE 303	TE-B20664	B20 Rod(6,6) Pos.4,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1
304	TE 304	TE-B20665	B20 Rod(6,6) Pos.5,Fluid	G00D		1	2.700+2 9.700+2	K	4.312+0 6.160-1

Table 2.2 (Continued)

ADR DATA QUALITY RECORD (QDR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 4					
ICF REV DATE 92-10-05				LEV XXX		RCV YYY		DRV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI		UNIT	UNCERTAINTY ABS. REL.(%)	
305	TE 305	TE-B20666	B20 Rad(6,6) Pos.6,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
306	TE 306	TE-B20667	B20 Rad(6,6) Pos.7,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
307	TE 307	TE-B20668	B20 Rad(6,6) Pos.8,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
308	TE 308	TE-B20669	B20 Rad(6,6) Pos.9,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
309	TE 309	TE-B22661	B22 Rad(6,6) Pos.1,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
310	TE 310	TE-B22662	B22 Rad(6,6) Pos.2,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
311	TE 311	TE-B22663	B22 Rad(6,6) Pos.3,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
312	TE 312	TE-B22664	B22 Rad(6,6) Pos.4,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
313	TE 313	TE-B22665	B22 Rad(6,6) Pos.5,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
314	TE 314	TE-B22666	B22 Rad(6,6) Pos.6,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
315	TE 315	TE-B22667	B22 Rad(6,6) Pos.7,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
316	TE 316	TE-B22668	B22 Rad(6,6) Pos.8,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
317	TE 317	TE-B22669	B22 Rad(6,6) Pos.9,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
318	TE 318	TE-B24621	B24 Rad(6,2) Pos.1,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
319	TE 319	TE-B24623	B24 Rad(6,2) Pos.3,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
320	TE 320	TE-B24625	B24 Rad(6,2) Pos.5,Fluid	G000		1	2.700+2	9.700+2	X	4.312+0	6.160-1
321	TE 321	TE-B24626	B24 Rad(6,2) Pos.6,Fluid	G000		1	2.700+2	9.700+2	X	4.312+0	6.160-1
322	TE 322	TE-B24627	B24 Rad(6,2) Pos.7,Fluid	G000		1	2.700+2	9.700+2	X	4.312+0	6.160-1
323	TE 323	TE-B24629	B24 Rad(6,2) Pos.9,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
324	TE 324	TE-1M0641-SGA	SGA Inlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
325	TE 325	TE-1M0642-SGA	SGA Inlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
326	TE 326	TE-1M0643-SGA	SGA Inlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
330	TE 330	TE-1M0861-SGA	SGA U-Tube(1,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
331	TE 331	TE-1M0862-SGA	SGA U-Tube(2,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
332	TE 332	TE-1M0863-SGA	SGA U-Tube(3,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
333	TE 333	TE-1M0864-SGA	SGA U-Tube(4,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
334	TE 334	TE-1M0865-SGA	SGA U-Tube(5,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
335	TE 335	TE-1M0866-SGA	SGA U-Tube(6,1N) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
336	TE 336	TE-EX0861-SGA	SGA U-Tube(1,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
337	TE 337	TE-EX0862-SGA	SGA U-Tube(2,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
338	TE 338	TE-EX0863-SGA	SGA U-Tube(3,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
339	TE 339	TE-EX0864-SGA	SGA U-Tube(4,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
340	TE 340	TE-EX0865-SGA	SGA U-Tube(5,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
341	TE 341	TE-EX0866-SGA	SGA U-Tube(6,EX) Pos.1	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
342	TE 342	TE-1M0931-SGA	SGA U-Tube(1,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
343	TE 343	TE-1M0932-SGA	SGA U-Tube(2,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
344	TE 344	TE-1M0933-SGA	SGA U-Tube(3,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
345	TE 345	TE-1M0934-SGA	SGA U-Tube(4,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
346	TE 346	TE-1M0935-SGA	SGA U-Tube(5,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
347	TE 347	TE-1M0936-SGA	SGA U-Tube(6,1N) Pos.2	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
348	TE 348	TE-1M0991-SGA	SGA U-Tube(1,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
349	TE 349	TE-EX0991-SGA	SGA U-Tube(1,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
350	TE 350	TE-1M0992-SGA	SGA U-Tube(2,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
351	TE 351	TE-EX0992-SGA	SGA U-Tube(2,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
352	TE 352	TE-1M0993-SGA	SGA U-Tube(3,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
353	TE 353	TE-EX0993-SGA	SGA U-Tube(3,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
354	TE 354	TE-1M0994-SGA	SGA U-Tube(4,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
355	TE 355	TE-EX0994-SGA	SGA U-Tube(4,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
356	TE 356	TE-1M0995-SGA	SGA U-Tube(5,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
357	TE 357	TE-EX0995-SGA	SGA U-Tube(5,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
358	TE 358	TE-1M0996-SGA	SGA U-Tube(6,1N) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
359	TE 359	TE-EX0996-SGA	SGA U-Tube(6,EX) Pos.3	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
360	TE 360	TE-1M1051-SGA	SGA U-Tube(1,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
361	TE 361	TE-1M1052-SGA	SGA U-Tube(2,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
362	TE 362	TE-1M1053-SGA	SGA U-Tube(3,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
363	TE 363	TE-1M1054-SGA	SGA U-Tube(4,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
364	TE 364	TE-1M1055-SGA	SGA U-Tube(5,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
365	TE 365	TE-1M1056-SGA	SGA U-Tube(6,1N) Pos.4	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
366	TE 366	TE-1M1121-SGA	SGA U-Tube(1,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
367	TE 367	TE-EX1121-SGA	SGA U-Tube(1,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
368	TE 368	TE-1M1122-SGA	SGA U-Tube(2,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
369	TE 369	TE-EX1122-SGA	SGA U-Tube(2,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
370	TE 370	TE-1M1123-SGA	SGA U-Tube(3,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
371	TE 371	TE-EX1123-SGA	SGA U-Tube(3,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
372	TE 372	TE-1M1124-SGA	SGA U-Tube(4,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
373	TE 373	TE-EX1124-SGA	SGA U-Tube(4,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
374	TE 374	TE-1M1125-SGA	SGA U-Tube(5,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
375	TE 375	TE-EX1125-SGA	SGA U-Tube(5,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
376	TE 376	TE-1M1126-SGA	SGA U-Tube(6,1N) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
377	TE 377	TE-EX1126-SGA	SGA U-Tube(6,EX) Pos.5	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
378	TE 378	TE-1M1251-SGA	SGA U-Tube(1,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
379	TE 379	TE-EX1251-SGA	SGA U-Tube(1,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
380	TE 380	TE-1M1252-SGA	SGA U-Tube(2,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
381	TE 381	TE-EX1252-SGA	SGA U-Tube(2,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
382	TE 382	TE-1M1253-SGA	SGA U-Tube(3,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
383	TE 383	TE-EX1253-SGA	SGA U-Tube(3,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
384	TE 384	TE-1M1254-SGA	SGA U-Tube(4,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
385	TE 385	TE-EX1254-SGA	SGA U-Tube(4,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
386	TE 386	TE-1M1255-SGA	SGA U-Tube(5,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
387	TE 387	TE-EX1255-SGA	SGA U-Tube(5,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
388	TE 388	TE-1M1256-SGA	SGA U-Tube(6,1N) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
389	TE 389	TE-EX1256-SGA	SGA U-Tube(6,EX) Pos.6	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
390	TE 390	TE-1M1371-SGA	SGA U-Tube(1,1N) Pos.7	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
391	TE 391	TE-EX1371-SGA	SGA U-Tube(1,EX) Pos.7	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
392	TE 392	TE-1M1372-SGA	SGA U-Tube(2,1N) Pos.7	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DGR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 5			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DGV SCR	
								RUN DATE 93-12-03	
SER NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)
393	TE 393	TE-EX1372-SGA	SGA U-Tube(2,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
394	TE 394	TE-EX1373-SGA	SGA U-Tube(3,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
395	TE 395	TE-EX1373-SGA	SGA U-Tube(3,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
396	TE 396	TE-EX1374-SGA	SGA U-Tube(4,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
397	TE 397	TE-EX1374-SGA	SGA U-Tube(4,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
398	TE 398	TE-EX1375-SGA	SGA U-Tube(5,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
399	TE 399	TE-EX1375-SGA	SGA U-Tube(5,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
400	TE 400	TE-EX1376-SGA	SGA U-Tube(6,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
401	TE 401	TE-EX1376-SGA	SGA U-Tube(6,EX) Pos.7	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
402	TE 402	TE-EX1501-SGA	SGA U-Tube(1,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
403	TE 403	TE-EX1501-SGA	SGA U-Tube(1,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
404	TE 404	TE-EX1502-SGA	SGA U-Tube(2,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
405	TE 405	TE-EX1502-SGA	SGA U-Tube(2,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
406	TE 406	TE-EX1503-SGA	SGA U-Tube(3,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
407	TE 407	TE-EX1503-SGA	SGA U-Tube(3,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
408	TE 408	TE-EX1504-SGA	SGA U-Tube(4,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
409	TE 409	TE-EX1504-SGA	SGA U-Tube(4,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
410	TE 410	TE-EX1505-SGA	SGA U-Tube(5,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
411	TE 411	TE-EX1505-SGA	SGA U-Tube(5,EX) Pos.8	BAD		1	2.700+2 7.200+2	K	3.307+0 7.350-1
412	TE 412	TE-EX1506-SGA	SGA U-Tube(6,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
413	TE 413	TE-EX1506-SGA	SGA U-Tube(6,EX) Pos.8	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
414	TE 414	TE-EX1632-SGA	SGA U-Tube(2,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
415	TE 415	TE-EX1632-SGA	SGA U-Tube(2,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
416	TE 416	TE-EX1633-SGA	SGA U-Tube(3,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
417	TE 417	TE-EX1633-SGA	SGA U-Tube(3,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
418	TE 418	TE-EX1634-SGA	SGA U-Tube(4,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
419	TE 419	TE-EX1634-SGA	SGA U-Tube(4,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
420	TE 420	TE-EX1635-SGA	SGA U-Tube(5,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
421	TE 421	TE-EX1635-SGA	SGA U-Tube(5,EX) Pos.9	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
422	TE 422	TE-EX1701-SGA	SGA U-Tube(1,EX) Pos.10	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
423	TE 423	TE-EX1706-SGA	SGA U-Tube(6,EX) Pos.10	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
424	TE 424	TE-EX1782-SGA	SGA U-Tube(2,EX) Pos.10	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
425	TE 425	TE-EX1785-SGA	SGA U-Tube(5,EX) Pos.10	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
426	TE 426	TE-EX1863-SGA	SGA U-Tube(3,EX) Pos.11	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
427	TE 427	TE-EX1864-SGA	SGA U-Tube(4,EX) Pos.11	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
428	TE 428	TE-2230-SGA	SGA Steam Dome	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
429	TE 429	TE-086C-SGA	SGA Boiling Section Pos.1	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
430	TE 430	TE-099C-SGA	SGA Boiling Section Pos.3	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
431	TE 431	TE-112C-SGA	SGA Boiling Section Pos.5	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
432	TE 432	TE-125C-SGA	SGA Boiling Section Pos.6	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
433	TE 433	TE-137C-SGA	SGA Boiling Section Pos.7	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
434	TE 434	TE-150C-SGA	SGA Boiling Section Pos.8	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
435	TE 435	TE-163C-SGA	SGA Boiling Section Pos.9	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
436	TE 436	TE-178C-SGA	SGA Boiling Section Pos.10	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
437	TE 437	TE-192F-SGA	SGA Boiling Section	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
438	TE 438	TE-208F-SGA	SGA Separator	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
439	TE 439	TE-192C-SGA	SGA Downcomer	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
440	TE 440	TE-208C-SGA	SGA Downcomer	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
441	TE 441	TE-223C-SGA	SGA Steam Dome	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
442	TE 442	TE-245C-SGA	SGA Steam Dome	G000		1	2.700+2 6.700+2	K	3.108+0 7.770-1
443	TE 443	TE-EX0641-SGB	SGB Inlet Plenum	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
444	TE 444	TE-EX0642-SGB	SGB Inlet Plenum	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
445	TE 445	TE-EX0643-SGB	SGB Inlet Plenum	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
446	TE 446	TE-EX0861-SGB	SGB U-Tube(1,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
447	TE 447	TE-EX0862-SGB	SGB U-Tube(2,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
448	TE 448	TE-EX0863-SGB	SGB U-Tube(3,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
449	TE 449	TE-EX0864-SGB	SGB U-Tube(4,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
450	TE 450	TE-EX0865-SGB	SGB U-Tube(5,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
451	TE 451	TE-EX0866-SGB	SGB U-Tube(6,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
452	TE 452	TE-EX0861-SGB	SGB U-Tube(1,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
453	TE 453	TE-EX0862-SGB	SGB U-Tube(2,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
454	TE 454	TE-EX0863-SGB	SGB U-Tube(3,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
455	TE 455	TE-EX0864-SGB	SGB U-Tube(4,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
456	TE 456	TE-EX0865-SGB	SGB U-Tube(5,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
457	TE 457	TE-EX0866-SGB	SGB U-Tube(6,EX) Pos.1	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
458	TE 458	TE-EX0931-SGB	SGB U-Tube(1,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
459	TE 459	TE-EX0932-SGB	SGB U-Tube(2,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
460	TE 460	TE-EX0933-SGB	SGB U-Tube(3,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
461	TE 461	TE-EX0934-SGB	SGB U-Tube(4,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
462	TE 462	TE-EX0935-SGB	SGB U-Tube(5,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
463	TE 463	TE-EX0936-SGB	SGB U-Tube(6,EX) Pos.2	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
464	TE 464	TE-EX0991-SGB	SGB U-Tube(1,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
465	TE 465	TE-EX0992-SGB	SGB U-Tube(2,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
466	TE 466	TE-EX0993-SGB	SGB U-Tube(3,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
467	TE 467	TE-EX0994-SGB	SGB U-Tube(4,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
468	TE 468	TE-EX0995-SGB	SGB U-Tube(5,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
469	TE 469	TE-EX0996-SGB	SGB U-Tube(6,EX) Pos.3	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
470	TE 470	TE-EX0997-SGB	SGB U-Tube(1,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
471	TE 471	TE-EX0998-SGB	SGB U-Tube(2,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
472	TE 472	TE-EX0999-SGB	SGB U-Tube(3,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
473	TE 473	TE-EX1000-SGB	SGB U-Tube(4,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
474	TE 474	TE-EX1001-SGB	SGB U-Tube(5,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
475	TE 475	TE-EX1002-SGB	SGB U-Tube(6,EX) Pos.4	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
476	TE 476	TE-EX1003-SGB	SGB U-Tube(1,EX) Pos.5	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
477	TE 477	TE-EX1004-SGB	SGB U-Tube(2,EX) Pos.5	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
478	TE 478	TE-EX1005-SGB	SGB U-Tube(3,EX) Pos.5	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
479	TE 479	TE-EX1006-SGB	SGB U-Tube(4,EX) Pos.5	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1
480	TE 480	TE-EX1007-SGB	SGB U-Tube(5,EX) Pos.5	G000		1	2.700+2 7.200+2	K	3.307+0 7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 6					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DWR SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)			
481	TE 481	TE-1M1053-SGB	SGR U-Tube(3,IN) Pos.4	BAD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
482	TE 482	TE-1M1054-SGB	SGR U-Tube(4,IN) Pos.4		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
483	TE 483	TE-1M1055-SGB	SGR U-Tube(5,IN) Pos.4		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
484	TE 484	TE-1M1056-SGB	SGR U-Tube(6,IN) Pos.4		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
485	TE 485	TE-1M1121-SGB	SGR U-Tube(1,IN) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
486	TE 486	TE-EX1121-SGB	SGR U-Tube(1,EX) Pos.5	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
487	TE 487	TE-1M1122-SGB	SGR U-Tube(2,IN) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
488	TE 488	TE-EX1122-SGB	SGR U-Tube(2,EX) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
489	TE 489	TE-1M1123-SGB	SGR U-Tube(3,IN) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
490	TE 490	TE-EX1123-SGB	SGR U-Tube(3,EX) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
491	TE 491	TE-1M1124-SGB	SGR U-Tube(4,IN) Pos.5	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
492	TE 492	TE-EX1124-SGB	SGR U-Tube(4,EX) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
493	TE 493	TE-1M1125-SGB	SGR U-Tube(5,IN) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
494	TE 494	TE-EX1125-SGB	SGR U-Tube(5,EX) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
495	TE 495	TE-1M1126-SGB	SGR U-Tube(6,IN) Pos.5		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
496	TE 496	TE-EX1126-SGB	SGR U-Tube(6,EX) Pos.5	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
497	TE 497	TE-1M1251-SGB	SGR U-Tube(1,IN) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
498	TE 498	TE-EX1251-SGB	SGR U-Tube(1,EX) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
499	TE 499	TE-1M1252-SGB	SGR U-Tube(2,IN) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
500	TE 500	TE-EX1252-SGB	SGR U-Tube(2,EX) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
501	TE 501	TE-1M1253-SGB	SGR U-Tube(3,IN) Pos.6	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
502	TE 502	TE-EX1253-SGB	SGR U-Tube(3,EX) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
503	TE 503	TE-1M1254-SGB	SGR U-Tube(4,IN) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
504	TE 504	TE-EX1254-SGB	SGR U-Tube(4,EX) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
505	TE 505	TE-1M1255-SGB	SGR U-Tube(5,IN) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
506	TE 506	TE-EX1255-SGB	SGR U-Tube(5,EX) Pos.6	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
507	TE 507	TE-1M1256-SGB	SGR U-Tube(6,IN) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
508	TE 508	TE-EX1256-SGB	SGR U-Tube(6,EX) Pos.6		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
509	TE 509	TE-1M1371-SGB	SGR U-Tube(1,IN) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
510	TE 510	TE-EX1371-SGB	SGR U-Tube(1,EX) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
511	TE 511	TE-1M1372-SGB	SGR U-Tube(2,IN) Pos.7	BAD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
512	TE 512	TE-EX1372-SGB	SGR U-Tube(2,EX) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
513	TE 513	TE-1M1373-SGB	SGR U-Tube(3,IN) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
514	TE 514	TE-EX1373-SGB	SGR U-Tube(3,EX) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
515	TE 515	TE-1M1374-SGB	SGR U-Tube(4,IN) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
516	TE 516	TE-EX1374-SGB	SGR U-Tube(4,EX) Pos.7	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
517	TE 517	TE-1M1375-SGB	SGR U-Tube(5,IN) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
518	TE 518	TE-EX1375-SGB	SGR U-Tube(5,EX) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
519	TE 519	TE-1M1376-SGB	SGR U-Tube(6,IN) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
520	TE 520	TE-EX1376-SGB	SGR U-Tube(6,EX) Pos.7		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
521	TE 521	TE-1M1501-SGB	SGR U-Tube(1,IN) Pos.8	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
522	TE 522	TE-EX1501-SGB	SGR U-Tube(1,EX) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
523	TE 523	TE-1M1502-SGB	SGR U-Tube(2,IN) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
524	TE 524	TE-EX1502-SGB	SGR U-Tube(2,EX) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
525	TE 525	TE-1M1503-SGB	SGR U-Tube(3,IN) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
526	TE 526	TE-EX1503-SGB	SGR U-Tube(3,EX) Pos.8	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
527	TE 527	TE-1M1504-SGB	SGR U-Tube(4,IN) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
528	TE 528	TE-EX1504-SGB	SGR U-Tube(4,EX) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
529	TE 529	TE-1M1505-SGB	SGR U-Tube(5,IN) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
530	TE 530	TE-EX1505-SGB	SGR U-Tube(5,EX) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
531	TE 531	TE-1M1506-SGB	SGR U-Tube(6,IN) Pos.8	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
532	TE 532	TE-EX1506-SGB	SGR U-Tube(6,EX) Pos.8		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
533	TE 533	TE-1M1632-SGB	SGR U-Tube(2,IN) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
534	TE 534	TE-EX1632-SGB	SGR U-Tube(2,EX) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
535	TE 535	TE-1M1633-SGB	SGR U-Tube(3,IN) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
536	TE 536	TE-EX1633-SGB	SGR U-Tube(3,EX) Pos.9	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
537	TE 537	TE-1M1634-SGB	SGR U-Tube(4,IN) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
538	TE 538	TE-EX1634-SGB	SGR U-Tube(4,EX) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
539	TE 539	TE-1M1635-SGB	SGR U-Tube(5,IN) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
540	TE 540	TE-EX1635-SGB	SGR U-Tube(5,EX) Pos.9		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
541	TE 541	TE-1M1701-SGB	SGR U-Tube(1,IN) Pos.10	BAD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
542	TE 542	TE-1M1706-SGB	SGR U-Tube(6,IN) Pos.10		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
543	TE 543	TE-1M1782-SGB	SGR U-Tube(2,IN) Pos.10		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
544	TE 544	TE-1M1785-SGB	SGR U-Tube(5,IN) Pos.10		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
545	TE 545	TE-1M1863-SGB	SGR U-Tube(3,IN) Pos.11		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
546	TE 546	TE-1M1864-SGB	SGR U-Tube(4,IN) Pos.11	GOOD	1	2.700+2 7.200+2	K	3.307+0	7.350-1		
547	TE 547	TE-223D-SGB	SGR Steam Dome		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
548	TE 548	TE-086C-SGB	SGR Boiling Section Pos.1		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
549	TE 549	TE-099C-SGB	SGR Boiling Section Pos.3		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
550	TE 550	TE-112C-SGB	SGR Boiling Section Pos.5		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
551	TE 551	TE-125C-SGB	SGR Boiling Section Pos.6	GOOD	1	2.700+2 6.700+2	K	3.108+0	7.770-1		
552	TE 552	TE-137C-SGB	SGR Boiling Section Pos.7		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
553	TE 553	TE-150C-SGB	SGR Boiling Section Pos.8		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
554	TE 554	TE-163C-SGB	SGR Boiling Section Pos.9		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
555	TE 555	TE-178C-SGB	SGR Boiling Section Pos.10		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
556	TE 556	TE-197F-SGB	SGR Boiling Section	GOOD	1	2.700+2 6.700+2	K	3.108+0	7.770-1		
557	TE 557	TE-208F-SGB	SGR Separator		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
558	TE 558	TE-192C-SGB	SGR Downcomer		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
559	TE 559	TE-208C-SGB	SGR Downcomer		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
560	TE 560	TE-223C-SGB	SGR Steam Dome		1	2.700+2 6.700+2	K	3.108+0	7.770-1		
561	TE 561	TE-245C-SGB	SGR Steam Dome	GOOD	1	2.700+2 6.700+2	K	3.108+0	7.770-1		
562	TE 562	TE-211C-PR	PR Fluid		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
563	TE 563	TE-194C-PR	PR Fluid		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
564	TE 564	TE-177C-PR	PR Fluid		1	2.700+2 7.200+2	K	3.307+0	7.350-1		
565	TE 565	TE-980			1	0.000+0 5.000+1	K	1.430-1	2.860-1		

FOR PROCESS NOT INCLUDED.

FOR PROCESS NOT INCLUDED.

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)			LSIF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 7		
ICF REV DATE 92-10-05			LCV XXX	RCV YYY	DQR SCR	RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LO HI	UNIT UNCERTAINTY ABS. REL. (X)
566	TE 566	TE-981		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
567	TE 567	TE-982		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
568	TE 568	TE-983		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
569	TE 569	TE-984		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
570	TE 570	TE-985		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
571	TE 571	TE-986		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
572	TE 572	TE-990		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
573	TE 573	TE-991		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
574	TE 574	TE-992		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
575	TE 575	TE-993		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
576	TE 576	TE-994		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
577	TE 577	TE-995		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
578	TE 578	TE-996		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
579	TE 579	TE-997		FOR PROCESS NOT INCLUDED.	1	0.000+0 5.000+1	K 1.430-1 2.860-1
584	TE 584	TE672-ACC	Cold Acc Line to CLA	GOOD	1	2.700+2 4.700+2	K 2.304+0 1.152+0
595	TE 595	TE724-ACH	Hot Acc Line to CLB	GOOD	1	2.700+2 5.700+2	K 2.708+0 9.020-1
596	TE 596	TE-1770-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
597	TE 597	TE-1810-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
598	TE 598	TE-1850-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
599	TE 599	TE-1890-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
600	TE 600	TE-1920-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
601	TE 601	TE-1960-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
602	TE 602	TE-2000-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
603	TE 603	TE-2040-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
604	TE 604	TE-2070-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
605	TE 605	TE-2110-PR	PR Fluid	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
606	TE 606	TE011A-HLA	HLA Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
607	TE 607	TE011B-HLA	HLA Spool Piece Side	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
608	TE 608	TE011C-HLA	HLA Spool Piece Bottom	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
609	TE 609	TE012C-HLA	HLA Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
610	TE 610	TE012D-HLA	HLA Spool Piece Bottom	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
611	TE 611	TE051A-LSA	LSA Spool Piece East	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
612	TE 612	TE051B-LSA	LSA Spool Piece South	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
613	TE 613	TE051C-LSA	LSA Spool Piece West	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
614	TE 614	TE051D-LSA	LSA Spool Piece North	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
615	TE 615	TE052-LSA	LSA Spool Piece	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
616	TE 616	TE071A-CLA	CLA Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
617	TE 617	TE071B-CLA	CLA Spool Piece Side	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
618	TE 618	TE071C-CLA	CLA Spool Piece Bottom	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
619	TE 619	TE072C-CLA	CLA Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
620	TE 620	TE072D-CLA	CLA Spool Piece Bottom	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
621	TE 621	TE151A-HLB	HLB Spool Piece Top	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
622	TE 622	TE151B-HLB	HLB Spool Piece Side	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
623	TE 623	TE151C-HLB	HLB Spool Piece Bottom	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
624	TE 624	TE152C-HLB	HLB Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
625	TE 625	TE152D-HLB	HLB Spool Piece Bottom	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
626	TE 626	TE191A-LSB	LSB Spool Piece West	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
627	TE 627	TE191B-LSB	LSB Spool Piece North	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
628	TE 628	TE191C-LSB	LSB Spool Piece East	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
629	TE 629	TE191D-LSB	LSB Spool Piece South	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
630	TE 630	TE192-LSB	LSB Spool Piece	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
631	TE 631	TE211A-CLB	CLB Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
632	TE 632	TE211B-CLB	CLB Spool Piece Side	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
633	TE 633	TE211C-CLB	CLB Spool Piece Bottom	BAD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
634	TE 634	TE212C-CLB	CLB Spool Piece Top	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
635	TE 635	TE212D-CLB	CLB Spool Piece Bottom	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
636	TE 636	TE291C-PR	PR Relief Valve Line	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
637	TE 637	TE291D-PR	PR Relief Valve Line	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
638	TE 638	TE301C-PR	PR Safety Valve Line	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
639	TE 639	TE301D-PR	PR Safety Valve Line	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
640	TE 640	TE311C-PR	PV-PR Vent Line	UNUSED	2	2.700+2 7.200+2	K 3.307+0 7.350-1
641	TE 641	TE311D-PR	PV-PR Vent Line	UNUSED	2	2.700+2 7.200+2	K 3.307+0 7.350-1
644	TE 644	TE571C-BU	BU No.1 S.P.	UNUSED	1	2.700+2 7.200+2	K 3.307+0 7.350-1
645	TE 645	TE571D-BU	BU No.1 S.P.	UNUSED	1	2.700+2 7.200+2	K 3.307+0 7.350-1
651	TE 651	TE591C-BU	BU No.2 S.P.	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
652	TE 652	TE591D-BU	BU No.2 S.P.	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
662	TE 662	TE-N-006-DC	PV Downcomer DIT North	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
663	TE 663	TE-S-006-DC	PV Downcomer DIT South	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
664	TE 664	TE-E-006-DC	PV Downcomer DIT East	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
665	TE 665	TE-W-006-DC	PV Downcomer DIT West	GOOD	1	2.700+2 7.200+2	K 3.307+0 7.350-1
666	TE 666	TE451C-SGA	SGA Safety Valve S.P.	UNUSED	2	2.700+2 6.700+2	K 3.108+0 7.770-1
667	TE 667	TE451D-SGA	SGA Safety Valve S.P.	UNUSED	2	2.700+2 6.700+2	K 3.108+0 7.770-1
670	TE 670	TE-111A-CDP	PLR-02-1 EL.-1.18m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
671	TE 671	TE-111B-CDP	PLR-02-1 EL.-0.25m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
672	TE 672	TE-112A-CDP	PLR-01-2 EL.-1.18m	BAD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
673	TE 673	TE-112B-CDP	PLR-01-2 EL.-0.61m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
674	TE 674	TE-113A-CDP	PLR-08-3 EL.-1.18m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
675	TE 675	TE-113B-CDP	PLR-08-3 EL.-1.01m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
676	TE 676	TE-114A-CDP	PLR-07-4 EL.-1.18m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
677	TE 677	TE-114B-CDP	PLR-07-4 EL.-1.42m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
678	TE 678	TE-115A-CDP	PLR-06-5 EL.-1.18m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
679	TE 679	TE-115B-CDP	PLR-06-5 EL.-0.21m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
680	TE 680	TE-115C-CDP	PLR-05-5 EL.-1.83m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
681	TE 681	TE-116A-CDP	PLR-05-6 EL.-1.18m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1
682	TE 682	TE-116B-CDP	PLR-05-6 EL.-0.21m	GOOD	2	2.700+2 7.200+2	K 3.307+0 7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 8					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQR SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)	
683	TE 683	TE-116C-CDP	PLR-05-6 EL. 2.24m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
684	TE 684	TE-117A-CDP	PLR-04-7 EL. -1.18m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
685	TE 685	TE-117B-CDP	PLR-04-7 EL. 0.21m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
686	TE 686	TE-117C-CDP	PLR-04-7 EL. 2.64m	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
687	TE 687	TE-118A-CDP	PLR-03-8 EL. -1.18m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
688	TE 688	TE-118B-CDP	PLR-03-8 EL. 0.21m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
689	TE 689	TE-118C-CDP	PLR-03-8 EL. 3.05m	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
690	TE 690	TE-131-CDP	PLR-03-8 Oil EL. -2.0m,In	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
691	TE 691	TE-132-CDP	PLR-03-8 Oil EL. 0.0m,In	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
692	TE 692	TE-133-CDP	PLR-03-8 Oil EL. 1.0m,In	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
693	TE 693	TE-134-CDP	PLR-03-8 Oil EL. 2.0m,In	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
694	TE 694	TE-135-CDP	PLR-03-8 Oil EL. 3.22m,Top	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
695	TE 695	TE-136-CDP	PLR-03-8 Oil EL. 2.0m,Out	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
696	TE 696	TE-137-CDP	PLR-03-8 Oil EL. 1.0m,Out	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
697	TE 697	TE-138-CDP	PLR-03-8 Oil EL. 0.0m,Out	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
698	TE 698	TE-139-CDP	PLR-03-8 Oil EL. -2.0m,Out	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
699	TE 699	TE-111E-CDP	PLR-02-1 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
700	TE 700	TE-112E-CDP	PLR-01-2 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
701	TE 701	TE-113E-CDP	PLR-08-3 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
702	TE 702	TE-114E-CDP	PLR-07-4 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
703	TE 703	TE-115E-CDP	PLR-06-5 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
704	TE 704	TE-116E-CDP	PLR-05-6 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
705	TE 705	TE-117E-CDP	PLR-04-7 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
706	TE 706	TE-118E-CDP	PLR-03-8 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
707	TE 707	TE-121E-UHDP	PLR-UH-9 Oil Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
708	TE 708	TE-121A-UHDP	PLR-UH-9 EL. 6.9m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
709	TE 709	TE-121B-UHDP	PLR-UH-9 EL. 7.6m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
710	TE 710	TE-121C-UHDP	PLR-UH-9 EL. 8.2m	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
711	TE 711	TE-E071C-DC	Downcomer EL.7.1m,East	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
712	TE 712	TE-W071C-DC	Downcomer EL.7.1m,West	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
713	TE 713	TE-E067C-DC	Downcomer EL.6.7m,East	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
714	TE 714	TE-W067C-DC	Downcomer EL.6.7m,West	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
715	TE 715	TE-951-CS	Oil Inlet-Main	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
716	TE 716	TE-952-CS	Oil Outlet-Main	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
717	TE 717	TE-953-CS	Heat Exchanger Outlet	G000		2	2.700+2	7.200+2	K	3.307+0	7.350-1
718	TE 718	TE-805221	B05 Rod(2,2) Pos.1,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
719	TE 719	TE-805223	B05 Rod(2,2) Pos.3,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
720	TE 720	TE-805225	B05 Rod(2,2) Pos.5,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
721	TE 721	TE-805226	B05 Rod(2,2) Pos.6,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
722	TE 722	TE-805227	B05 Rod(2,2) Pos.7,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
723	TE 723	TE-805229	B05 Rod(2,2) Pos.9,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
724	TE 724	TE-807221	B07 Rod(2,2) Pos.1,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
725	TE 725	TE-807223	B07 Rod(2,2) Pos.3,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
726	TE 726	TE-807225	B07 Rod(2,2) Pos.5,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
727	TE 727	TE-807226	B07 Rod(2,2) Pos.6,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
728	TE 728	TE-807227	B07 Rod(2,2) Pos.7,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
729	TE 729	TE-807229	B07 Rod(2,2) Pos.9,Fluid	G000		1	2.700+2	9.700+2	K	4.312+0	6.160-1
730	TE 730	TE-EX0650-SGA	SGA Outlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
731	TE 731	TE-EX0680-SGA	SGA Outlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
732	TE 732	TE-EX0720-SGA	SGA Outlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
733	TE 733	TE-EX0650-SGB	SGB Outlet Plenum	BAD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
734	TE 734	TE-EX0680-SGB	SGB Outlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
735	TE 735	TE-EX0720-SGB	SGB Outlet Plenum	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
736	TE 736	TE810-PJ	Charging Flow to CLA	UNUSED		1	2.700+2	3.700+2	X	1.902+0	1.902+0
739	TE 739	TE275C-PR	PR Spray Inlet Nozzle	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
740	TE 740	TE599-BU	Small BU	FOR PROCESS NOT INCLUDED.		1	-2.500+1	2.500+1	mV	2.000-1	4.000-1
741	TE 741	TE043A-HLA	HLA SG Side Super Heat	UNUSED		1	2.700+2	7.200+2	K	3.307+0	7.350-1
742	TE 742	TE043B-HLA	HLA SG Side Super Heat	UNUSED		1	2.700+2	7.200+2	K	3.307+0	7.350-1
743	TE 743	TE043C-HLA	HLA SG Side Super Heat	UNUSED		1	2.700+2	7.200+2	K	3.307+0	7.350-1
744	TE 744	TE183A-HLB	HLB SG Side Super Heat	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
745	TE 745	TE183B-HLB	HLB SG Side Super Heat	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
746	TE 746	TE183C-HLB	HLB SG Side Super Heat	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1032	TE 752	TE293-ACH	ACH-PR Balance Line	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1033	TE 753	TE294-PR	ACH-PR Balance Line	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1034	TE 754	TE295-PR	ACH-PR Balance Line	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1035	TE 755	TE296-PR	ACH-PR Balance Line	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1036	TE 756	TE297-PR	ACH-PR Balance Line	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1037	TE 757	TE687A-ACH	Hot Acc Tank Fluid DL+10	BAD		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1038	TE 758	TE687B-ACH	Hot Acc Tank Fluid DL+475	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1039	TE 759	TE687C-ACH	Hot Acc Tank Fluid DL+940	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1040	TE 760	TE687D-ACH	Hot Acc Tank Fluid DL+1405	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1041	TE 761	TE687E-ACH	Hot Acc Tank Fluid DL+1870	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1042	TE 762	TE687F-ACH	Hot Acc Tank Fluid DL+2335	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1043	TE 763	TE687G-ACH	Hot Acc Tank Fluid DL+2800	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1044	TE 764	TE687H-ACH	Hot Acc Tank Fluid DL+3265	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1045	TE 765	TE687I-ACH	Hot Acc Tank Fluid DL+3275	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1046	TE 766	TE687J-ACH	Hot Acc Tank Fluid DL+3285	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1047	TE 767	TE687K-ACH	Hot Acc Tank Fluid DL+3295	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1048	TE 768	TE687L-ACH	Hot Acc Tank Fluid DL+3305	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1049	TE 769	TE687M-ACH	Hot Acc Tank Fluid DL+3315	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1050	TE 770	TE687N-ACH	Hot Acc Tank Fluid DL+3325	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
1050	TE 771	TE687O-ACH	Hot Acc Tank Fluid DL+3335	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
2112	TE 772	TE687P-ACH	Hot Acc Tank Fluid DL+3345	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
2113	TE 773	TE687Q-ACH	Hot Acc Tank Fluid DL+3355	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1
2114	TE 774	TE687R-ACH	Hot Acc Tank Fluid DL+3820	G000		3	2.700+2	7.200+2	K	3.307+0	7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 9			
ICF REV DATE 92-10-05				LEV XXX	REV YYY	DQR SCR	RUN DATE 93-12-03		
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(X)
2115	TE 775	TE687S-ACH	Hot Acc Tank Fluid DL+4285	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
2116	TE 776	TE687I-ACH	Hot Acc Tank Fluid DL+4750	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
2117	TE 777	TE687U-ACH	Hot Acc Tank Fluid DL+5215	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
2118	TE 778	TE687V-ACH	Hot Acc Tank Fluid DL+5680	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
2119	TE 779	TE687W-ACH	Hot Acc Tank Fluid DL+6145	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
2120	TE 780	TE687X-ACH	Hot Acc Tank Fluid DL+6610	G000		3	2.700+2 7.200+2	K	3.307+0 7.350-1
751	DT 1	DTE020A-HLA	HLA Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
752	DT 2	DTE020B-HLA	HLA Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
753	DT 3	DTE030A-HLA	HLA Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
754	DT 4	DTE030B-HLA	HLA Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
755	DT 5	DTE050A-LSA	LSA Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
756	DT 6	DTE050B-LSA	LSA Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
757	DT 7	DTE060A-PCA	PCA Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
758	DT 8	DTE070A-CLA	CLA Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
759	DT 9	DTE070B-CLA	CLA Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
760	DT 10	DTE080A-CLA	CLA Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
761	DT 11	DTE080B-CLA	CLA Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
762	DT 12	DTE100A-HLA	HLA-CLA	G000		1	-1.500+2 1.500+2	K	2.970+0 9.900-1
763	DT 13	DTE160A-HLB	HLB Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
764	DT 14	DTE160B-HLB	HLB Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
765	DT 15	DTE170A-HLB	HLB Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
766	DT 16	DTE170B-HLB	HLB Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
767	DT 17	DTE190A-LSB	LSB Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
768	DT 18	DTE190B-LSB	LSB Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
769	DT 19	DTE200A-PCB	PCB Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
770	DT 20	DTE210A-CLB	CLB Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
771	DT 21	DTE210B-CLB	CLB Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
772	DT 22	DTE220A-CLB	CLB Pipe Wall I/O	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
773	DT 23	DTE220B-CLB	CLB Pipe Wall to Fluid	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
774	DT 24	DTE240-HLB	HLB-CLB	G000		1	-1.500+2 1.500+2	K	2.970+0 9.900-1
775	DT 25	DTE270A-PR	PR Spray Line	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
776	DT 26	DTE280A-PR	PR Surge Line	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
777	DT 27	DTE-E-015A-PV	PV Wall I/O-E at L. Plenum	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
778	DT 28	DTE-W-015A-PV	PV Wall I/O-W at L. Plenum	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
779	DT 29	DTE-W000A-PV	PV Wall I/O-N at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
780	DT 30	DTE-S000A-PV	PV Wall I/O-S at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
781	DT 31	DTE-E000A-PV	PV Wall I/O-E at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
782	DT 32	DTE-W000A-PV	PV Wall I/O-W at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
783	DT 33	DTE-M018A-PV	PV Wall I/O-N at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
784	DT 34	DTE-S018A-PV	PV Wall I/O-S at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
785	DT 35	DTE-E018A-PV	PV Wall I/O-E at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
786	DT 36	DTE-W018A-PV	PV Wall I/O-W at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
787	DT 37	DTE-M036A-PV	PV Wall I/O-N at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
788	DT 38	DTE-S036A-PV	PV Wall I/O-S at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
789	DT 39	DTE-E036A-PV	PV Wall I/O-E at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
790	DT 40	DTE-W036A-PV	PV Wall I/O-W at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
791	DT 41	DTE-M060A-PV	PV Wall I/O-N at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
792	DT 42	DTE-S060A-PV	PV Wall I/O-S at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
793	DT 43	DTE-E060A-PV	PV Wall I/O-E at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
794	DT 44	DTE-W060A-PV	PV Wall I/O-W at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
795	DT 45	DTE-E080A-PV	PV Wall I/O-E at DC Head	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
796	DT 46	DTE-W080A-PV	PV Wall I/O-W at DC Head	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
797	DT 47	DTE-W000B-PV	PV/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
798	DT 48	DTE-S000B-PV	PV/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
799	DT 49	DTE-E000B-PV	PV/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
800	DT 50	DTE-W000B-PV	PV/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
801	DT 51	DTE-M018B-PV	PV/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
802	DT 52	DTE-S018B-PV	PV/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
803	DT 53	DTE-E018B-PV	PV/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
804	DT 54	DTE-W018B-PV	PV/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
805	DT 55	DTE-M036B-PV	PV/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
806	DT 56	DTE-S036B-PV	PV/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
807	DT 57	DTE-E036B-PV	PV/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
808	DT 58	DTE-W036B-PV	PV/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
809	DT 59	DTE-M060B-PV	PV/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
810	DT 60	DTE-S060B-PV	PV/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
811	DT 61	DTE-E060B-PV	PV/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
812	DT 62	DTE-W060B-PV	PV/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
813	DT 63	DTE-M000C-PV	CB/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
814	DT 64	DTE-S000C-PV	CB/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
815	DT 65	DTE-E000C-PV	CB/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
816	DT 66	DTE-W000C-PV	CB/DC Fluid at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
817	DT 67	DTE-M018C-PV	CB/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
818	DT 68	DTE-S018C-PV	CB/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
819	DT 69	DTE-E018C-PV	CB/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
820	DT 70	DTE-W018C-PV	CB/DC Fluid at DC Middle	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
821	DT 71	DTE-M036C-PV	CB/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
822	DT 72	DTE-S036C-PV	CB/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
823	DT 73	DTE-E036C-PV	CB/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
824	DT 74	DTE-W036C-PV	CB/DC Fluid at Upper DC	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
825	DT 75	DTE-M060C-PV	CB/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
826	DT 76	DTE-S060C-PV	CB/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
827	DT 77	DTE-E060C-PV	CB/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
828	DT 78	DTE-W060C-PV	CB/DC Fluid at DC Top	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1
829	DT 79	DTE-M000E-PV	CB Wall I/O at DC Bottom	G000		1	-1.500+2 1.500+2	K	1.665+0 5.550-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 10					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DEV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI		UNIT	UNCERTAINTY ABS. REL.(%)	
830	DT 80	DTE-S000E-PV	CB Wall I/O at DC Bottom	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
831	DT 81	DTE-E000E-PV	CB Wall I/O at DC Bottom	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
832	DT 82	DTE-W000E-PV	CB Wall I/O at DC Bottom	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
833	DT 83	DTE-M010E-PV	CB Wall I/O at Lower DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
834	DT 84	DTE-S010E-PV	CB Wall I/O at Lower DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
835	DT 85	DTE-E010E-PV	CB Wall I/O at Lower DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
836	DT 86	DTE-W010E-PV	CB Wall I/O at Lower DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
837	DT 87	DTE-M018E-PV	CB Wall I/O at DC Middle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
838	DT 88	DTE-S018E-PV	CB Wall I/O at DC Middle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
839	DT 89	DTE-E018E-PV	CB Wall I/O at DC Middle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
840	DT 90	DTE-W018E-PV	CB Wall I/O at DC Middle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
841	DT 91	DTE-M026E-PV	CB Wall I/O at DC Center	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
842	DT 92	DTE-S026E-PV	CB Wall I/O at DC Center	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
843	DT 93	DTE-E026E-PV	CB Wall I/O at DC Center	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
844	DT 94	DTE-W026E-PV	CB Wall I/O at DC Center	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
845	DT 95	DTE-M036E-PV	CB Wall I/O at Upper DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
846	DT 96	DTE-S036E-PV	CB Wall I/O at Upper DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
847	DT 97	DTE-E036E-PV	CB Wall I/O at Upper DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
848	DT 98	DTE-W036E-PV	CB Wall I/O at Upper DC	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
849	DT 99	DTE-M049E-PV	CB Wall I/O below Nozzle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
850	DT 100	DTE-S049E-PV	CB Wall I/O below Nozzle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
851	DT 101	DTE-E049E-PV	CB Wall I/O below Nozzle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
852	DT 102	DTE-W049E-PV	CB Wall I/O below Nozzle	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
853	DT 103	DTE-M060E-PV	CB Wall I/O at DC Top	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
854	DT 104	DTE-S060E-PV	CB Wall I/O at DC Top	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
855	DT 105	DTE-E060E-PV	CB Wall I/O at DC Top	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
856	DT 106	DTE-W060E-PV	CB Wall I/O at DC Top	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
857	DT 107	DTE-Q40-B09-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
858	DT 108	DTE-Q40-B11-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
859	DT 109	DTE-Q40-B01-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
860	DT 110	DTE-Q40-B03-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
861	DT 111	DTE-Q40-B05-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
862	DT 112	DTE-Q40-B07-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
863	DT 113	DTE-Q40-B21-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
864	DT 114	DTE-Q40-B23-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
865	DT 115	DTE-Q40-B02-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
866	DT 116	DTE-Q40-B15-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
867	DT 117	DTE-Q40-B06-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
868	DT 118	DTE-Q40-B14-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
869	DT 119	DTE-Q40-B18-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
870	DT 120	DTE-Q40-B19-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
871	DT 121	DTE-Q40-B10-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
872	DT 122	DTE-Q40-B12-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
873	DT 123	DTE-Q40-B04-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
874	DT 124	DTE-Q40-B08-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
875	DT 125	DTE-Q40-B22-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
876	DT 126	DTE-Q40-B24-UCP	In/Out Fluid across UCP	G000		1	-1.500+2	1.500+2	K	1.665+0	5.550-1
877	DT 127	DTE-Q00-B02-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
878	DT 128	DTE-Q00-B03-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
879	DT 129	DTE-Q00-B06-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
880	DT 130	DTE-Q00-B07-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
881	DT 131	DTE-Q00-B09-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
882	DT 132	DTE-Q00-B11-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
883	DT 133	DTE-Q00-B14-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
884	DT 134	DTE-Q00-B16-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
885	DT 135	DTE-Q00-B18-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
886	DT 136	DTE-Q00-B20-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
887	DT 137	DTE-Q00-B21-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
888	DT 138	DTE-Q00-B23-LCP	In/Out Fluid across LCP	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
889	DT 139	DTE-Q86A-SGA	SGA Wall I/O Pos.1	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
890	DT 140	DTE-I37A-SGA	SGA Wall I/O Pos.7	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
891	DT 141	DTE-I78A-SGA	SGA Wall I/O Pos.10	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
892	DT 142	DTE-223A-SGA	SGA Steam Dome Wall I/O	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
893	DT 143	DTE-IN0861-SGA	SGA U-Tube(1,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
894	DT 144	DTE-EX0861-SGA	SGA U-Tube(1,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
895	DT 145	DTE-IN0862-SGA	SGA U-Tube(2,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
896	DT 146	DTE-EX0862-SGA	SGA U-Tube(2,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
897	DT 147	DTE-IN0863-SGA	SGA U-Tube(3,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
898	DT 148	DTE-EX0863-SGA	SGA U-Tube(3,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
899	DT 149	DTE-IN0991-SGA	SGA U-Tube(1,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
900	DT 150	DTE-EX0991-SGA	SGA U-Tube(1,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
901	DT 151	DTE-IN0992-SGA	SGA U-Tube(2,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
902	DT 152	DTE-EX0992-SGA	SGA U-Tube(2,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
903	DT 153	DTE-IN0993-SGA	SGA U-Tube(3,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
904	DT 154	DTE-EX0993-SGA	SGA U-Tube(3,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
905	DT 155	DTE-IN1121-SGA	SGA U-Tube(1,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
906	DT 156	DTE-EX1121-SGA	SGA U-Tube(1,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
907	DT 157	DTE-IN1122-SGA	SGA U-Tube(2,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
908	DT 158	DTE-EX1122-SGA	SGA U-Tube(2,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
909	DT 159	DTE-IN1123-SGA	SGA U-Tube(3,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
910	DT 160	DTE-EX1123-SGA	SGA U-Tube(3,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
911	DT 161	DTE-IN1371-SGA	SGA U-Tube(1,IN) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
912	DT 162	DTE-EX1371-SGA	SGA U-Tube(1,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
913	DT 163	DTE-IN1372-SGA	SGA U-Tube(2,IN) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
914	DT 164	DTE-EX1372-SGA	SGA U-Tube(2,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 11					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LD	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)	
915	DT 165	DTE-IN1373-SGA	SGA U-Tube(3,IN) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
916	DT 166	DTE-EX1373-SGA	SGA U-Tube(3,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
917	DT 167	DTE-IN1632-SGA	SGA U-Tube(2,IN) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
918	DT 168	DTE-EX1632-SGA	SGA U-Tube(2,EX) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
919	DT 169	DTE-IN1633-SGA	SGA U-Tube(3,IN) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
920	DT 170	DTE-EX1633-SGA	SGA U-Tube(3,EX) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
921	DT 171	DTE-IN1701-SGA	SGA U-Tube(1,IN) Pos.10	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
922	DT 172	DTE-IN1782-SGA	SGA U-Tube(2,IN) Pos.10	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
923	DT 173	DTE-IN1863-SGA	SGA U-Tube(3,IN) Pos.11	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
924	DT 174	DTE-086A-SGB	SGB Wall I/O Pos.1	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
925	DT 175	DTE-137A-SGB	SGB Wall I/O Pos.7	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
926	DT 176	DTE-178A-SGB	SGB Wall I/O Pos.10	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
927	DT 177	DTE-223A-SGB	SGB Steam Dome Wall I/O	G000		1	-4.000+1	4.000+1	K	1.664+0	2.080+0
928	DT 178	DTE-IN0861-SGB	SGB U-Tube(1,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
929	DT 179	DTE-EX0861-SGB	SGB U-Tube(1,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
930	DT 180	DTE-IN0862-SGB	SGB U-Tube(2,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
931	DT 181	DTE-EX0862-SGB	SGB U-Tube(2,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
932	DT 182	DTE-IN0863-SGB	SGB U-Tube(3,IN) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
933	DT 183	DTE-EX0863-SGB	SGB U-Tube(3,EX) Pos.1	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
934	DT 184	DTE-IN0991-SGB	SGB U-Tube(1,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
935	DT 185	DTE-EX0991-SGB	SGB U-Tube(1,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
936	DT 186	DTE-IN0992-SGB	SGB U-Tube(2,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
937	DT 187	DTE-EX0992-SGB	SGB U-Tube(2,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
938	DT 188	DTE-IN0993-SGB	SGB U-Tube(3,IN) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
939	DT 189	DTE-EX0993-SGB	SGB U-Tube(3,EX) Pos.3	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
940	DT 190	DTE-IN1121-SGB	SGB U-Tube(1,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
941	DT 191	DTE-EX1121-SGB	SGB U-Tube(1,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
942	DT 192	DTE-IN1122-SGB	SGB U-Tube(2,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
943	DT 193	DTE-EX1122-SGB	SGB U-Tube(2,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
944	DT 194	DTE-IN1123-SGB	SGB U-Tube(3,IN) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
945	DT 195	DTE-EX1123-SGB	SGB U-Tube(3,EX) Pos.5	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
946	DT 196	DTE-IN1371-SGB	SGB U-Tube(1,IN) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
947	DT 197	DTE-EX1371-SGB	SGB U-Tube(1,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
948	DT 198	DTE-IN1372-SGB	SGB U-Tube(2,IN) Pos.7	G000	BAD	1	-1.000+2	1.000+2	K	1.664+0	8.320-1
949	DT 199	DTE-EX1372-SGB	SGB U-Tube(2,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
950	DT 200	DTE-IN1373-SGB	SGB U-Tube(3,IN) Pos.7	G000	BAD	1	-1.000+2	1.000+2	K	1.664+0	8.320-1
951	DT 201	DTE-EX1373-SGB	SGB U-Tube(3,EX) Pos.7	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
952	DT 202	DTE-IN1632-SGB	SGB U-Tube(2,IN) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
953	DT 203	DTE-EX1632-SGB	SGB U-Tube(2,EX) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
954	DT 204	DTE-IN1633-SGB	SGB U-Tube(3,IN) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
955	DT 205	DTE-EX1633-SGB	SGB U-Tube(3,EX) Pos.9	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
956	DT 206	DTE-IN1701-SGB	SGB U-Tube(1,IN) Pos.10	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
957	DT 207	DTE-IN1782-SGB	SGB U-Tube(2,IN) Pos.10	G000	BAD	1	-1.000+2	1.000+2	K	1.664+0	8.320-1
958	DT 208	DTE-IN1863-SGB	SGB U-Tube(3,IN) Pos.11	G000		1	-1.000+2	1.000+2	K	1.664+0	8.320-1
1051	TW 1	TWE020B-HLA	HLA Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1052	TW 2	TWE030B-HLA	HLA Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1053	TW 3	TWE050B-LSA	LSA Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1054	TW 4	TWE060B-PCA	PCA Inner Wall	G000	BAD	1	2.700+2	7.200+2	K	3.307+0	7.350-1
1055	TW 5	TWE070B-CLA	CLA Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1056	TW 6	TWE080B-CLA	CLA Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1057	TW 7	TWE160B-HLB	HLB Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1058	TW 8	TWE170B-HLB	HLB Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1059	TW 9	TWE190B-LSB	LSB Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1060	TW 10	TWE200B-PCB	PCB Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1061	TW 11	TWE210B-CLB	CLB Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1062	TW 12	TWE220B-CLB	CLB Pipe Inner Wall	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1063	TW 13	TWE280B-PR	PR Surge Line	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1064	TW 14	TWE431A-SGA	SGA Downcomer A Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1065	TW 15	TWE432A-SGA	SGA Downcomer B Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1066	TW 16	TWE433A-SGA	SGA Downcomer C Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1067	TW 17	TWE434A-SGA	SGA Downcomer D Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1068	TW 18	TWE471A-SGB	SGB Downcomer A Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1069	TW 19	TWE472A-SGB	SGB Downcomer B Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1070	TW 20	TWE473A-SGB	SGB Downcomer C Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1071	TW 21	TWE474A-SGB	SGB Downcomer D Wall	G000		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1072	TW 22	TWE-E-015B-PV	PV Inner Wall EL.-1.5m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1073	TW 23	TWE-W-015B-PV	PV Inner Wall EL.-1.5m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1074	TW 24	TWE-W000B-PV	PV Inner Wall EL.0.0m,N	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1075	TW 25	TWE-S000B-PV	PV Inner Wall EL.0.0m,S	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1076	TW 26	TWE-E000B-PV	PV Inner Wall EL.0.0m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1077	TW 27	TWE-W000B-PV	PV Inner Wall EL.0.0m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1078	TW 28	TWE-W018B-PV	PV Inner Wall EL.1.8m,N	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1079	TW 29	TWE-S018B-PV	PV Inner Wall EL.1.8m,S	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1080	TW 30	TWE-E018B-PV	PV Inner Wall EL.1.8m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1081	TW 31	TWE-W018B-PV	PV Inner Wall EL.1.8m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1082	TW 32	TWE-N036B-PV	PV Inner Wall EL.3.6m,N	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1083	TW 33	TWE-S036B-PV	PV Inner Wall EL.3.6m,S	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1084	TW 34	TWE-E036B-PV	PV Inner Wall EL.3.6m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1085	TW 35	TWE-W036B-PV	PV Inner Wall EL.3.6m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1086	TW 36	TWE-N060B-PV	PV Inner Wall EL.6.0m,N	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1087	TW 37	TWE-S060B-PV	PV Inner Wall EL.6.0m,S	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1088	TW 38	TWE-E060B-PV	PV Inner Wall EL.6.0m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1089	TW 39	TWE-W060B-PV	PV Inner Wall EL.6.0m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1090	TW 40	TWE-E080B-PV	PV Inner Wall EL.8.0m,E	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1091	TW 41	TWE-W080B-PV	PV Inner Wall EL.8.0m,W	G000		1	2.700+2	7.200+2	K	3.307+0	7.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 12			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		GRV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(X)
1092	TV 42	TWE-W0000-CB	CB Outer Wall EL.0.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1093	TV 43	TWE-S0000-CB	CB Outer Wall EL.0.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1094	TV 44	TWE-E0000-CB	CB Outer Wall EL.0.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1095	TV 45	TWE-W0000-CB	CB Outer Wall EL.0.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1096	TV 46	TWE-W0100-CB	CB Outer Wall EL.1.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1097	TV 47	TWE-S0100-CB	CB Outer Wall EL.1.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1098	TV 48	TWE-E0100-CB	CB Outer Wall EL.1.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1099	TV 49	TWE-W0100-CB	CB Outer Wall EL.1.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1100	TV 50	TWE-W0180-CB	CB Outer Wall EL.1.8m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1101	TV 51	TWE-S0180-CB	CB Outer Wall EL.1.8m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1102	TV 52	TWE-E0180-CB	CB Outer Wall EL.1.8m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1103	TV 53	TWE-W0180-CB	CB Outer Wall EL.1.8m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1104	TV 54	TWE-W0260-CB	CB Outer Wall EL.2.6m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1105	TV 55	TWE-S0260-CB	CB Outer Wall EL.2.6m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1106	TV 56	TWE-E0260-CB	CB Outer Wall EL.2.6m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1107	TV 57	TWE-W0260-CB	CB Outer Wall EL.2.6m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1108	TV 58	TWE-W0360-CB	CB Outer Wall EL.3.6m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1109	TV 59	TWE-S0360-CB	CB Outer Wall EL.3.6m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1110	TV 60	TWE-E0360-CB	CB Outer Wall EL.3.6m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1111	TV 61	TWE-W0360-CB	CB Outer Wall EL.3.6m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1112	TV 62	TWE-W0490-CB	CB Outer Wall EL.4.9m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1113	TV 63	TWE-S0490-CB	CB Outer Wall EL.4.9m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1114	TV 64	TWE-E0490-CB	CB Outer Wall EL.4.9m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1115	TV 65	TWE-W0490-CB	CB Outer Wall EL.4.9m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1116	TV 66	TWE-W0600-CB	CB Outer Wall EL.6.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1117	TV 67	TWE-S0600-CB	CB Outer Wall EL.6.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1118	TV 68	TWE-E0600-CB	CB Outer Wall EL.6.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1119	TV 69	TWE-W0600-CB	CB Outer Wall EL.6.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1120	TV 70	TWE-W0000-CB	CB Inner Wall EL.0.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1121	TV 71	TWE-S0000-CB	CB Inner Wall EL.0.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1122	TV 72	TWE-E0000-CB	CB Inner Wall EL.0.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1123	TV 73	TWE-W0000-CB	CB Inner Wall EL.0.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1124	TV 74	TWE-W0100-CB	CB Inner Wall EL.1.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1125	TV 75	TWE-S0100-CB	CB Inner Wall EL.1.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1126	TV 76	TWE-E0100-CB	CB Inner Wall EL.1.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1127	TV 77	TWE-W0100-CB	CB Inner Wall EL.1.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1128	TV 78	TWE-W0180-CB	CB Inner Wall EL.1.8m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1129	TV 79	TWE-S0180-CB	CB Inner Wall EL.1.8m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1130	TV 80	TWE-E0180-CB	CB Inner Wall EL.1.8m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1131	TV 81	TWE-W0180-CB	CB Inner Wall EL.1.8m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1132	TV 82	TWE-W0260-CB	CB Inner Wall EL.2.6m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1133	TV 83	TWE-S0260-CB	CB Inner Wall EL.2.6m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1134	TV 84	TWE-E0260-CB	CB Inner Wall EL.2.6m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1135	TV 85	TWE-W0260-CB	CB Inner Wall EL.2.6m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1136	TV 86	TWE-W0360-CB	CB Inner Wall EL.3.6m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1137	TV 87	TWE-S0360-CB	CB Inner Wall EL.3.6m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1138	TV 88	TWE-E0360-CB	CB Inner Wall EL.3.6m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1139	TV 89	TWE-W0360-CB	CB Inner Wall EL.3.6m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1140	TV 90	TWE-W0490-CB	CB Inner Wall EL.4.9m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1141	TV 91	TWE-S0490-CB	CB Inner Wall EL.4.9m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1142	TV 92	TWE-E0490-CB	CB Inner Wall EL.4.9m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1143	TV 93	TWE-W0490-CB	CB Inner Wall EL.4.9m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1144	TV 94	TWE-W0600-CB	CB Inner Wall EL.6.0m,N	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1145	TV 95	TWE-S0600-CB	CB Inner Wall EL.6.0m,S	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1146	TV 96	TWE-E0600-CB	CB Inner Wall EL.6.0m,E	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1147	TV 97	TWE-W0600-CB	CB Inner Wall EL.6.0m,W	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1148	TV 98	TWE-1N038B02-UCPP	UCP L.Surf. EL.3.8m,802	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1149	TV 99	TWE-1N038B04-UCPP	UCP L.Surf. EL.3.8m,804	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1150	TV 100	TWE-1N038B06-UCPP	UCP L.Surf. EL.3.8m,806	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1151	TV 101	TWE-1N038B08-UCPP	UCP L.Surf. EL.3.8m,808	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1152	TV 102	TWE-1N038B21-UCPP	UCP L.Surf. EL.3.8m,C	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1153	TV 103	TWE-EX040B02-UCPP	UCP U.Surf. EL.4.0m,802	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1154	TV 104	TWE-EX040B04-UCPP	UCP U.Surf. EL.4.0m,804	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1155	TV 105	TWE-EX040B06-UCPP	UCP U.Surf. EL.4.0m,806	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1156	TV 106	TWE-EX040B08-UCPP	UCP U.Surf. EL.4.0m,808	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1157	TV 107	TWE-EX040B21-UCPP	UCP U.Surf. EL.4.0m,C	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1158	TV 108	TWE-063-809-UCSP	UCSP L.Surf. EL.6.3m,809	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1159	TV 109	TWE-065-809-UCSP	UCSP U.Surf. EL.6.5m,809	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1160	TV 110	TWE-E047G-UP	UP Str. Surf. EL.4.7m,East	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1161	TV 111	TWE-W047G-UP	UP Str. Surf. EL.4.7m,West	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1162	TV 112	TWE-E056G-UP	UP Str. Surf. EL.5.6m,East	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1163	TV 113	TWE-W056G-UP	UP Str. Surf. EL.5.6m,West	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1164	TV 114	TWE-080G-UH	UH Str. Surf. EL.8.0m,C	G000		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1165	TV 115	TWE-B01342	B01 Rod(3,4) Pos.2	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1166	TV 116	TWE-B01344	B01 Rod(3,4) Pos.4	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1167	TV 117	TWE-B01345	B01 Rod(3,4) Pos.5	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1168	TV 118	TWE-B01346	B01 Rod(3,4) Pos.6	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1169	TV 119	TWE-B01347	B01 Rod(3,4) Pos.7	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1170	TV 120	TWE-B01348	B01 Rod(3,4) Pos.8	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1171	TV 121	TWE-B20431	B20 Rod(4,3) Pos.1	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1172	TV 122	TWE-B20433	B20 Rod(4,3) Pos.3	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1173	TV 123	TWE-B20435	B20 Rod(4,3) Pos.5	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1174	TV 124	TWE-B20436	B20 Rod(4,3) Pos.6	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1175	TV 125	TWE-B20438	B20 Rod(4,3) Pos.8	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1176	TV 126	TWE-B20439	B20 Rod(4,3) Pos.9	G000		1	2.700+2 1.470+3	K	6.324+0 5.270-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LST EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 13					
ICF REV DATE 92-10-05				LCV XXX		REV YYY		DQR SER		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LD HI	UNIT	UNCERTAINTY ABS. REL.(%)		
1177	TW 127	TWE-B02241	802 Rod(2,4) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1178	TW 128	TWE-B02242	802 Rod(2,4) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1179	TW 129	TWE-B02244	802 Rod(2,4) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1180	TW 130	TWE-B02245	802 Rod(2,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1181	TW 131	TWE-B02247	802 Rod(2,4) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1182	TW 132	TWE-B02249	802 Rod(2,4) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1183	TW 133	TWE-B02341	802 Rod(3,4) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1184	TW 134	TWE-B02343	802 Rod(3,4) Pos.3	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1185	TW 135	TWE-B02345	802 Rod(3,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1186	TW 136	TWE-B02346	802 Rod(3,4) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1187	TW 137	TWE-B02348	802 Rod(3,4) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1188	TW 138	TWE-B02349	802 Rod(3,4) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1195	TW 145	TWE-B03421	803 Rod(4,2) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1196	TW 146	TWE-B03422	803 Rod(4,2) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1197	TW 147	TWE-B03424	803 Rod(4,2) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1198	TW 148	TWE-B03425	803 Rod(4,2) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1199	TW 149	TWE-B03427	803 Rod(4,2) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1200	TW 150	TWE-B03429	803 Rod(4,2) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1201	TW 151	TWE-B03431	803 Rod(4,3) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1202	TW 152	TWE-B03433	803 Rod(4,3) Pos.3	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1203	TW 153	TWE-B03435	803 Rod(4,3) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1204	TW 154	TWE-B03436	803 Rod(4,3) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1205	TW 155	TWE-B03438	803 Rod(4,3) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1206	TW 156	TWE-B03439	803 Rod(4,3) Pos.9	BAD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1213	TW 163	TWE-B04432	804 Rod(4,3) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1214	TW 164	TWE-B04434	804 Rod(4,3) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1215	TW 165	TWE-B04435	804 Rod(4,3) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1216	TW 166	TWE-B04436	804 Rod(4,3) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1217	TW 167	TWE-B04437	804 Rod(4,3) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1218	TW 168	TWE-B04438	804 Rod(4,3) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1219	TW 169	TWE-B05342	805 Rod(3,4) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1220	TW 170	TWE-B05344	805 Rod(3,4) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1221	TW 171	TWE-B05345	805 Rod(3,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1222	TW 172	TWE-B05346	805 Rod(3,4) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1223	TW 173	TWE-B05347	805 Rod(3,4) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1224	TW 174	TWE-B05348	805 Rod(3,4) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1231	TW 181	TWE-B06241	806 Rod(2,4) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1232	TW 182	TWE-B06242	806 Rod(2,4) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1233	TW 183	TWE-B06244	806 Rod(2,4) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1234	TW 184	TWE-B06245	806 Rod(2,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1235	TW 185	TWE-B06247	806 Rod(2,4) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1236	TW 186	TWE-B06249	806 Rod(2,4) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1237	TW 187	TWE-B06341	806 Rod(3,4) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1238	TW 188	TWE-B06343	806 Rod(3,4) Pos.3	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1239	TW 189	TWE-B06345	806 Rod(3,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1240	TW 190	TWE-B06346	806 Rod(3,4) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1241	TW 191	TWE-B06348	806 Rod(3,4) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1242	TW 192	TWE-B06349	806 Rod(3,4) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1249	TW 199	TWE-B07421	807 Rod(4,2) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.444+0	5.370-1	
1250	TW 200	TWE-B07422	807 Rod(4,2) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1251	TW 201	TWE-B07424	807 Rod(4,2) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1252	TW 202	TWE-B07425	807 Rod(4,2) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1253	TW 203	TWE-B07427	807 Rod(4,2) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1254	TW 204	TWE-B07429	807 Rod(4,2) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1255	TW 205	TWE-B07431	807 Rod(4,3) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1256	TW 206	TWE-B07433	807 Rod(4,3) Pos.3	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1257	TW 207	TWE-B07435	807 Rod(4,3) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1258	TW 208	TWE-B07436	807 Rod(4,3) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1259	TW 209	TWE-B07438	807 Rod(4,3) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1260	TW 210	TWE-B07439	807 Rod(4,3) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1267	TW 217	TWE-B08222	808 Rod(2,2) Pos.2	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1268	TW 218	TWE-B08224	808 Rod(2,2) Pos.4	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1269	TW 219	TWE-B08225	808 Rod(2,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1270	TW 220	TWE-B08226	808 Rod(2,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1271	TW 221	TWE-B08227	808 Rod(2,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1272	TW 222	TWE-B08228	808 Rod(2,2) Pos.8	GOOD		1	2.700+2 9.700+2	K	4.312+0	6.160-1	
1273	TW 223	TWE-B08432	808 Rod(4,3) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1274	TW 224	TWE-B08434	808 Rod(4,3) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1275	TW 225	TWE-B08435	808 Rod(4,3) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1276	TW 226	TWE-B08436	808 Rod(4,3) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1277	TW 227	TWE-B08437	808 Rod(4,3) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1278	TW 228	TWE-B08438	808 Rod(4,3) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1279	TW 229	TWE-B09442	809 Rod(4,4) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1280	TW 230	TWE-B09444	809 Rod(4,4) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1281	TW 231	TWE-B09445	809 Rod(4,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1282	TW 232	TWE-B09446	809 Rod(4,4) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1283	TW 233	TWE-B09447	809 Rod(4,4) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1284	TW 234	TWE-B09448	809 Rod(4,4) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1285	TW 235	TWE-B10441	810 Rod(4,4) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1286	TW 236	TWE-B10442	810 Rod(4,4) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1287	TW 237	TWE-B10444	810 Rod(4,4) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1288	TW 238	TWE-B10445	810 Rod(4,4) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1289	TW 239	TWE-B10447	810 Rod(4,4) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1290	TW 240	TWE-B10449	810 Rod(4,4) Pos.9	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	
1291	TW 241	TWE-B10451	810 Rod(4,5) Pos.1	GOOD		1	2.700+2 1.470+3	K	6.324+0	5.270-1	

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 14					
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DGV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)	
1292	TV 242	TWE-B10453	B10 Rod(4,5) Pos.3	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1293	TV 243	TWE-B10455	B10 Rod(4,5) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1294	TV 244	TWE-B10456	B10 Rod(4,5) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1295	TV 245	TWE-B10458	B10 Rod(4,5) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1296	TV 246	TWE-B10459	B10 Rod(4,5) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1297	TV 247	TWE-B11442	B11 Rod(4,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1298	TV 248	TWE-B11444	B11 Rod(4,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1299	TV 249	TWE-B11445	B11 Rod(4,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1300	TV 250	TWE-B11446	B11 Rod(4,4) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1301	TV 251	TWE-B11447	B11 Rod(4,4) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1302	TV 252	TWE-B11448	B11 Rod(4,4) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1303	TV 253	TWE-B11172	B11 Rod(1,7) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1304	TV 254	TWE-B11174	B11 Rod(1,7) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1305	TV 255	TWE-B11175	B11 Rod(1,7) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1306	TV 256	TWE-B11176	B11 Rod(1,7) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1307	TV 257	TWE-B11177	B11 Rod(1,7) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1308	TV 258	TWE-B11178	B11 Rod(1,7) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1309	TV 259	TWE-B12262	B12 Rod(2,6) Pos.2	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1310	TV 260	TWE-B12264	B12 Rod(2,6) Pos.4	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1311	TV 261	TWE-B12265	B12 Rod(2,6) Pos.5	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1312	TV 262	TWE-B12266	B12 Rod(2,6) Pos.6	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1313	TV 263	TWE-B12267	B12 Rod(2,6) Pos.7	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1314	TV 264	TWE-B12268	B12 Rod(2,6) Pos.8	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1315	TV 265	TWE-B12441	B12 Rod(4,4) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1316	TV 266	TWE-B12442	B12 Rod(4,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1317	TV 267	TWE-B12444	B12 Rod(4,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1318	TV 268	TWE-B12445	B12 Rod(4,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1319	TV 269	TWE-B12447	B12 Rod(4,4) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1320	TV 270	TWE-B12449	B12 Rod(4,4) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1321	TV 271	TWE-B12431	B12 Rod(4,3) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1322	TV 272	TWE-B12433	B12 Rod(4,3) Pos.3	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1323	TV 273	TWE-B12435	B12 Rod(4,3) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1324	TV 274	TWE-B12436	B12 Rod(4,3) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1325	TV 275	TWE-B12438	B12 Rod(4,3) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1326	TV 276	TWE-B12439	B12 Rod(4,3) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1327	TV 277	TWE-B13662	B13 Rod(6,6) Pos.2	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1328	TV 278	TWE-B13664	B13 Rod(6,6) Pos.4	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1329	TV 279	TWE-B13665	B13 Rod(6,6) Pos.5	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1330	TV 280	TWE-B13666	B13 Rod(6,6) Pos.6	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1331	TV 281	TWE-B13667	B13 Rod(6,6) Pos.7	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1332	TV 282	TWE-B13668	B13 Rod(6,6) Pos.8	G000	1	2.700+2	9.700+2	K	4.312+0	6.160-1
1333	TV 283	TWE-B13442	B13 Rod(4,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1334	TV 284	TWE-B13444	B13 Rod(4,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1335	TV 285	TWE-B13445	B13 Rod(4,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1336	TV 286	TWE-B13446	B13 Rod(4,4) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1337	TV 287	TWE-B13447	B13 Rod(4,4) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1338	TV 288	TWE-B13448	B13 Rod(4,4) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1339	TV 289	TWE-B14541	B14 Rod(5,4) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1340	TV 290	TWE-B14542	B14 Rod(5,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1341	TV 291	TWE-B14544	B14 Rod(5,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1342	TV 292	TWE-B14545	B14 Rod(5,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1343	TV 293	TWE-B14547	B14 Rod(5,4) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1344	TV 294	TWE-B14549	B14 Rod(5,4) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1345	TV 295	TWE-B14441	B14 Rod(4,4) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1346	TV 296	TWE-B14443	B14 Rod(4,4) Pos.3	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1347	TV 297	TWE-B14445	B14 Rod(4,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1348	TV 298	TWE-B14446	B14 Rod(4,4) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1349	TV 299	TWE-B14448	B14 Rod(4,4) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1350	TV 300	TWE-B14449	B14 Rod(4,4) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1351	TV 301	TWE-B14172	B14 Rod(1,7) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1352	TV 302	TWE-B14174	B14 Rod(1,7) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1353	TV 303	TWE-B14175	B14 Rod(1,7) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1354	TV 304	TWE-B14176	B14 Rod(1,7) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1355	TV 305	TWE-B14177	B14 Rod(1,7) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1356	TV 306	TWE-B14178	B14 Rod(1,7) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1357	TV 307	TWE-B15441	B15 Rod(4,4) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1358	TV 308	TWE-B15442	B15 Rod(4,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1359	TV 309	TWE-B15444	B15 Rod(4,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1360	TV 310	TWE-B15445	B15 Rod(4,4) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1361	TV 311	TWE-B15447	B15 Rod(4,4) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1362	TV 312	TWE-B15449	B15 Rod(4,4) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1363	TV 313	TWE-B15451	B15 Rod(4,5) Pos.1	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1364	TV 314	TWE-B15453	B15 Rod(4,5) Pos.3	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1365	TV 315	TWE-B15455	B15 Rod(4,5) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1366	TV 316	TWE-B15456	B15 Rod(4,5) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1367	TV 317	TWE-B15458	B15 Rod(4,5) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1368	TV 318	TWE-B15459	B15 Rod(4,5) Pos.9	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1369	TV 319	TWE-B15172	B15 Rod(1,7) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1370	TV 320	TWE-B15174	B15 Rod(1,7) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1371	TV 321	TWE-B15175	B15 Rod(1,7) Pos.5	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1372	TV 322	TWE-B15176	B15 Rod(1,7) Pos.6	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1373	TV 323	TWE-B15177	B15 Rod(1,7) Pos.7	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1374	TV 324	TWE-B15178	B15 Rod(1,7) Pos.8	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1375	TV 325	TWE-B16442	B16 Rod(4,4) Pos.2	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1
1376	TV 326	TWE-B16444	B16 Rod(4,4) Pos.4	G000	1	2.700+2	1.470+3	K	6.324+0	5.270-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LST EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 15			
ICF REV DATE 92-10-05			LCV XXI	REV YYY	DQV SCR	RUN DATE 93-12-03			
SEQ NO	FUNC 10.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)	
1377	TW 327	TWE-B16445	B16 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1378	TW 328	TWE-B16446	B16 Rod(4,4) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1379	TW 329	TWE-B16447	B16 Rod(4,4) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1380	TW 330	TWE-B16448	B16 Rod(4,4) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1381	TW 331	TWE-B16172	B16 Rod(1,7) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1382	TW 332	TWE-B16174	B16 Rod(1,7) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1383	TW 333	TWE-B16175	B16 Rod(1,7) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1384	TW 334	TWE-B16176	B16 Rod(1,7) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1385	TW 335	TWE-B16177	B16 Rod(1,7) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1386	TW 336	TWE-B16178	B16 Rod(1,7) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1387	TW 337	TWE-B17442	B17 Rod(4,4) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1388	TW 338	TWE-B17444	B17 Rod(4,4) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1389	TW 339	TWE-B17445	B17 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1390	TW 340	TWE-B17446	B17 Rod(4,4) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1391	TW 341	TWE-B17447	B17 Rod(4,4) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1392	TW 342	TWE-B17448	B17 Rod(4,4) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1393	TW 343	TWE-B17172	B17 Rod(1,7) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1394	TW 344	TWE-B17174	B17 Rod(1,7) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1395	TW 345	TWE-B17175	B17 Rod(1,7) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1396	TW 346	TWE-B17176	B17 Rod(1,7) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1397	TW 347	TWE-B17177	B17 Rod(1,7) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1398	TW 348	TWE-B17178	B17 Rod(1,7) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1399	TW 349	TWE-B18341	B18 Rod(3,4) Pos.1	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1400	TW 350	TWE-B18342	B18 Rod(3,4) Pos.2	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1401	TW 351	TWE-B18344	B18 Rod(3,4) Pos.4	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1402	TW 352	TWE-B18345	B18 Rod(3,4) Pos.5	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1403	TW 353	TWE-B18347	B18 Rod(3,4) Pos.7	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1404	TW 354	TWE-B18349	B18 Rod(3,4) Pos.9	G000	1	2.700+2 1.470+3	X	6.324+0	5.270-1
1405	TW 355	TWE-B18441	B18 Rod(4,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1406	TW 356	TWE-B18443	B18 Rod(4,4) Pos.3	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1407	TW 357	TWE-B18445	B18 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1408	TW 358	TWE-B18446	B18 Rod(4,4) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1409	TW 359	TWE-B18448	B18 Rod(4,4) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1410	TW 360	TWE-B18449	B18 Rod(4,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1411	TW 361	TWE-B19451	B19 Rod(4,5) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1412	TW 362	TWE-B19452	B19 Rod(4,5) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1413	TW 363	TWE-B19454	B19 Rod(4,5) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1414	TW 364	TWE-B19455	B19 Rod(4,5) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1415	TW 365	TWE-B19457	B19 Rod(4,5) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1416	TW 366	TWE-B19459	B19 Rod(4,5) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1417	TW 367	TWE-B19441	B19 Rod(4,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1418	TW 368	TWE-B19443	B19 Rod(4,4) Pos.3	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1419	TW 369	TWE-B19445	B19 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1420	TW 370	TWE-B19446	B19 Rod(4,4) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1421	TW 371	TWE-B19448	B19 Rod(4,4) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1422	TW 372	TWE-B19449	B19 Rod(4,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1423	TW 373	TWE-B20441	B20 Rod(4,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1424	TW 374	TWE-B20442	B20 Rod(4,4) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1425	TW 375	TWE-B20444	B20 Rod(4,4) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1426	TW 376	TWE-B20445	B20 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1427	TW 377	TWE-B20447	B20 Rod(4,4) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1428	TW 378	TWE-B20449	B20 Rod(4,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1429	TW 379	TWE-B21441	B21 Rod(4,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1430	TW 380	TWE-B21442	B21 Rod(4,4) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1431	TW 381	TWE-B21444	B21 Rod(4,4) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1432	TW 382	TWE-B21445	B21 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1433	TW 383	TWE-B21447	B21 Rod(4,4) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1434	TW 384	TWE-B21449	B21 Rod(4,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1435	TW 385	TWE-B21541	B21 Rod(5,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1436	TW 386	TWE-B21543	B21 Rod(5,4) Pos.3	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1437	TW 387	TWE-B21545	B21 Rod(5,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1438	TW 388	TWE-B21546	B21 Rod(5,4) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1439	TW 389	TWE-B21548	B21 Rod(5,4) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1440	TW 390	TWE-B21549	B21 Rod(5,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1441	TW 391	TWE-B21662	B21 Rod(6,6) Pos.2	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1442	TW 392	TWE-B21664	B21 Rod(6,6) Pos.4	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1443	TW 393	TWE-B21665	B21 Rod(6,6) Pos.5	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1444	TW 394	TWE-B21666	B21 Rod(6,6) Pos.6	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1445	TW 395	TWE-B21667	B21 Rod(6,6) Pos.7	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1446	TW 396	TWE-B21668	B21 Rod(6,6) Pos.8	G000	1	2.700+2 9.700+2	K	4.312+0	6.160-1
1447	TW 397	TWE-B21112	B21 Rod(1,1) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1448	TW 398	TWE-B21114	B21 Rod(1,1) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1449	TW 399	TWE-B21115	B21 Rod(1,1) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1450	TW 400	TWE-B21116	B21 Rod(1,1) Pos.6	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1451	TW 401	TWE-B21117	B21 Rod(1,1) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1452	TW 402	TWE-B21118	B21 Rod(1,1) Pos.8	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1453	TW 403	TWE-B22541	B22 Rod(5,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1454	TW 404	TWE-B22542	B22 Rod(5,4) Pos.2	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1455	TW 405	TWE-B22544	B22 Rod(5,4) Pos.4	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1456	TW 406	TWE-B22545	B22 Rod(5,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1457	TW 407	TWE-B22547	B22 Rod(5,4) Pos.7	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1458	TW 408	TWE-B22549	B22 Rod(5,4) Pos.9	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1459	TW 409	TWE-B22441	B22 Rod(4,4) Pos.1	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1460	TW 410	TWE-B22443	B22 Rod(4,4) Pos.3	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1
1461	TW 411	TWE-B22445	B22 Rod(4,4) Pos.5	G000	1	2.700+2 1.470+3	K	6.324+0	5.270-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 16					
ICF REV DATE 92-10-05				LCV XXX		RCV VVV		DOV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI		UNIT	UNCERTAINTY ABS. REL.(%)	
1462	TW 412	TWE-B22446	B22 Rod(4,4) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1463	TW 413	TWE-B22448	B22 Rod(4,4) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1464	TW 414	TWE-B22449	B22 Rod(4,4) Pos.9	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1465	TW 415	TWE-B22172	B22 Rod(1,7) Pos.2	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1466	TW 416	TWE-B22174	B22 Rod(1,7) Pos.4	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1467	TW 417	TWE-B22175	B22 Rod(1,7) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1468	TW 418	TWE-B22176	B22 Rod(1,7) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1469	TW 419	TWE-B22177	B22 Rod(1,7) Pos.7	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1470	TW 420	TWE-B22178	B22 Rod(1,7) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1471	TW 421	TWE-B23441	B23 Rod(4,4) Pos.1	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1472	TW 422	TWE-B23442	B23 Rod(4,4) Pos.2	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1473	TW 423	TWE-B23444	B23 Rod(4,4) Pos.4	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1474	TW 424	TWE-B23445	B23 Rod(4,4) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1475	TW 425	TWE-B23447	B23 Rod(4,4) Pos.7	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1476	TW 426	TWE-B23449	B23 Rod(4,4) Pos.9	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1477	TW 427	TWE-B23451	B23 Rod(4,5) Pos.1	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1478	TW 428	TWE-B23453	B23 Rod(4,5) Pos.3	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1479	TW 429	TWE-B23455	B23 Rod(4,5) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1480	TW 430	TWE-B23456	B23 Rod(4,5) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1481	TW 431	TWE-B23458	B23 Rod(4,5) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1482	TW 432	TWE-B23459	B23 Rod(4,5) Pos.9	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1483	TW 433	TWE-B20112	B20 Rod(1,1) Pos.2	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1484	TW 434	TWE-B20114	B20 Rod(1,1) Pos.4	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1485	TW 435	TWE-B20115	B20 Rod(1,1) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1486	TW 436	TWE-B20116	B20 Rod(1,1) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1487	TW 437	TWE-B20117	B20 Rod(1,1) Pos.7	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1488	TW 438	TWE-B20118	B20 Rod(1,1) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1489	TW 439	TWE-B24341	B24 Rod(3,4) Pos.1	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1490	TW 440	TWE-B24342	B24 Rod(3,4) Pos.2	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1491	TW 441	TWE-B24344	B24 Rod(3,4) Pos.4	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1492	TW 442	TWE-B24345	B24 Rod(3,4) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1493	TW 443	TWE-B24347	B24 Rod(3,4) Pos.7	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1494	TW 444	TWE-B24349	B24 Rod(3,4) Pos.9	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1495	TW 445	TWE-B24441	B24 Rod(4,4) Pos.1	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1496	TW 446	TWE-B24443	B24 Rod(4,4) Pos.3	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1497	TW 447	TWE-B24445	B24 Rod(4,4) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1498	TW 448	TWE-B24446	B24 Rod(4,4) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1499	TW 449	TWE-B24448	B24 Rod(4,4) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1500	TW 450	TWE-B24449	B24 Rod(4,4) Pos.9	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1501	TW 451	TWE-B24712	B24 Rod(7,1) Pos.2	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1502	TW 452	TWE-B24714	B24 Rod(7,1) Pos.4	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1503	TW 453	TWE-B24715	B24 Rod(7,1) Pos.5	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1504	TW 454	TWE-B24716	B24 Rod(7,1) Pos.6	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1505	TW 455	TWE-B24717	B24 Rod(7,1) Pos.7	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1506	TW 456	TWE-B24718	B24 Rod(7,1) Pos.8	GOOD		1	2.700+2	1.470+3	K	6.324+0	5.270-1
1507	TW 457	TWE-IN0641-SGA	SGA Inlet Plenum	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1508	TW 458	TWE-IN0642-SGA	SGA Inlet Plenum	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1509	TW 459	TWE-IN0643-SGA	SGA Inlet Plenum	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1513	TW 463	TWE-0868-SGA	SGA Inner Wall Pos.1	GOOD		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1514	TW 464	TWE-1378-SGA	SGA Inner Wall Pos.7	GOOD		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1515	TW 465	TWE-1788-SGA	SGA Inner Wall Pos.10	GOOD		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1516	TW 466	TWE-2238-SGA	SGA Inner Wall	GOOD		1	2.700+2	6.700+2	K	3.108+0	7.770-1
1517	TW 467	TWE-IN0861-SGA	SGA U-Tube(1,IN) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1518	TW 468	TWE-EX0861-SGA	SGA U-Tube(1,EX) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1519	TW 469	TWE-IN0862-SGA	SGA U-Tube(2,IN) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1520	TW 470	TWE-EX0862-SGA	SGA U-Tube(2,EX) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1521	TW 471	TWE-IN0863-SGA	SGA U-Tube(3,IN) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1522	TW 472	TWE-EX0863-SGA	SGA U-Tube(3,EX) Pos.1	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1523	TW 473	TWE-IN0991-SGA	SGA U-Tube(1,IN) Pos.3	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1524	TW 474	TWE-EX0991-SGA	SGA U-Tube(1,EX) Pos.3	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1525	TW 475	TWE-IN0992-SGA	SGA U-Tube(2,IN) Pos.3	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1526	TW 476	TWE-EX0992-SGA	SGA U-Tube(2,EX) Pos.3	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1527	TW 477	TWE-IN0993-SGA	SGA U-Tube(3,IN) Pos.3	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1528	TW 478	TWE-EX0993-SGA	SGA U-Tube(3,EX) Pos.3	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1529	TW 479	TWE-IN1121-SGA	SGA U-Tube(1,IN) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1530	TW 480	TWE-EX1121-SGA	SGA U-Tube(1,EX) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1531	TW 481	TWE-IN1122-SGA	SGA U-Tube(2,IN) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1532	TW 482	TWE-EX1122-SGA	SGA U-Tube(2,EX) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1533	TW 483	TWE-IN1123-SGA	SGA U-Tube(3,IN) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1534	TW 484	TWE-EX1123-SGA	SGA U-Tube(3,EX) Pos.5	GOOD		2	2.700+2	7.200+2	K	3.307+0	7.350-1
1535	TW 485	TWE-IN1371-SGA	SGA U-Tube(1,IN) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1536	TW 486	TWE-EX1371-SGA	SGA U-Tube(1,EX) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1537	TW 487	TWE-IN1372-SGA	SGA U-Tube(2,IN) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1538	TW 488	TWE-EX1372-SGA	SGA U-Tube(2,EX) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1539	TW 489	TWE-IN1373-SGA	SGA U-Tube(3,IN) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1540	TW 490	TWE-EX1373-SGA	SGA U-Tube(3,EX) Pos.7	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1541	TW 491	TWE-IN1632-SGA	SGA U-Tube(2,IN) Pos.9	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1542	TW 492	TWE-EX1632-SGA	SGA U-Tube(2,EX) Pos.9	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1543	TW 493	TWE-IN1633-SGA	SGA U-Tube(3,IN) Pos.9	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1544	TW 494	TWE-EX1633-SGA	SGA U-Tube(3,EX) Pos.9	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1545	TW 495	TWE-IN1701-SGA	SGA U-Tube(1,IN) Pos.10	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1546	TW 496	TWE-IN1702-SGA	SGA U-Tube(2,IN) Pos.10	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1547	TW 497	TWE-IN1863-SGA	SGA U-Tube(3,IN) Pos.11	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1548	TW 498	TWE-IN0641-SGB	SGB Inlet Plenum	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1
1549	TW 499	TWE-IN0642-SGB	SGB Inlet Plenum	GOOD		1	2.700+2	7.200+2	K	3.307+0	7.350-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 17			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)
1550	TW 500	TWE-IN0643-SGB	SGB Inlet Plenum	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1552	TW 502	TWE-EX0642-SGB	SGB Outlet Plenum	FOR PROCESS NOT INCLUDID.	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1553	TW 503	TWE-EX0643-SGB	SGB Outlet Plenum	FOR PROCESS NOT INCLUDID.	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1554	TW 504	TWE-0868-SGB	SGB Inner Wall Pos.1	GOOD	1	2.700+2	6.700+2	K	3.108+0 7.770-1
1555	TW 505	TWE-1378-SGB	SGB Inner Wall Pos.7	GOOD	1	2.700+2	6.700+2	K	3.108+0 7.770-1
1556	TW 506	TWE-178B-SGB	SGB Inner Wall Pos.10	GOOD	1	2.700+2	6.700+2	K	3.108+0 7.770-1
1557	TW 507	TWE-223B-SGB	SGB Inner Wall	GOOD	1	2.700+2	6.700+2	K	3.108+0 7.770-1
1558	TW 508	TWE-IN0861-SGB	SGB U-Tube(1,IN) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1559	TW 509	TWE-EX0861-SGB	SGB U-Tube(1,EX) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1560	TW 510	TWE-IN0862-SGB	SGB U-Tube(2,IN) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1561	TW 511	TWE-EX0862-SGB	SGB U-Tube(2,EX) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1562	TW 512	TWE-IN0863-SGB	SGB U-Tube(3,IN) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1563	TW 513	TWE-EX0863-SGB	SGB U-Tube(3,EX) Pos.1	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1564	TW 514	TWE-IN0991-SGB	SGB U-Tube(1,IN) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1565	TW 515	TWE-EX0991-SGB	SGB U-Tube(1,EX) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1566	TW 516	TWE-IN0992-SGB	SGB U-Tube(2,IN) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1567	TW 517	TWE-EX0992-SGB	SGB U-Tube(2,EX) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1568	TW 518	TWE-IN0993-SGB	SGB U-Tube(3,IN) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1569	TW 519	TWE-EX0993-SGB	SGB U-Tube(3,EX) Pos.3	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1570	TW 520	TWE-IN1121-SGB	SGB U-Tube(1,IN) Pos.5	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1571	TW 521	TWE-EX1121-SGB	SGB U-Tube(1,EX) Pos.5	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1572	TW 522	TWE-IN1122-SGB	SGB U-Tube(2,IN) Pos.5	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1573	TW 523	TWE-EX1122-SGB	SGB U-Tube(2,EX) Pos.5	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1574	TW 524	TWE-IN1123-SGB	SGB U-Tube(3,IN) Pos.5	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1575	TW 525	TWE-EX1123-SGB	SGB U-Tube(3,EX) Pos.5	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1576	TW 526	TWE-IN1371-SGB	SGB U-Tube(1,IN) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1577	TW 527	TWE-EX1371-SGB	SGB U-Tube(1,EX) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1578	TW 528	TWE-IN1372-SGB	SGB U-Tube(2,IN) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1579	TW 529	TWE-EX1372-SGB	SGB U-Tube(2,EX) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1580	TW 530	TWE-IN1373-SGB	SGB U-Tube(3,IN) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1581	TW 531	TWE-EX1373-SGB	SGB U-Tube(3,EX) Pos.7	GOOD	2	2.700+2	7.200+2	K	3.307+0 7.350-1
1582	TW 532	TWE-IN1632-SGB	SGB U-Tube(2,IN) Pos.9	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1583	TW 533	TWE-EX1632-SGB	SGB U-Tube(2,EX) Pos.9	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1584	TW 534	TWE-IN1633-SGB	SGB U-Tube(3,IN) Pos.9	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1585	TW 535	TWE-EX1633-SGB	SGB U-Tube(3,EX) Pos.9	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1586	TW 536	TWE-IN1701-SGB	SGB U-Tube(1,IN) Pos.10	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1587	TW 537	TWE-IN1702-SGB	SGB U-Tube(2,IN) Pos.10	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1588	TW 538	TWE-IN1863-SGB	SGB U-Tube(3,IN) Pos.11	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1589	TW 539	TWE-211A-PR	PR Outer Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1590	TW 540	TWE-211B-PR	PR Inner Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1591	TW 541	TWE-19AA-PR	PR Outer Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1592	TW 542	TWE-19AB-PR	PR Inner Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1593	TW 543	TWE-177A-PR	PR Outer Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1594	TW 544	TWE-177B-PR	PR Inner Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1595	TW 545	TWE270A-PR	PR Spray Line Outer Wall	GOOD	1	2.700+2	7.200+2	K	3.307+0 7.350-1
1596	TW 546	TWE011A-HLA	HLA S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1597	TW 547	TWE011B-HLA	HLA S.P Side	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1598	TW 548	TWE011C-HLA	HLA S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1599	TW 549	TWE021-HLA	SGA Inlet	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1600	TW 550	TWE031A-LSA	LSA Line North	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1601	TW 551	TWE051B-LSA	LSA Line South	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1602	TW 552	TWE051C-LSA	LSA Line East	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1603	TW 553	TWE051D-LSA	SGA Outlet	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1604	TW 554	TWE071A-CLA	CLA S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1605	TW 555	TWE071B-CLA	CLA S.P Side	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1606	TW 556	TWE071C-CLA	CLA S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1607	TW 557	TWE151A-HLB	HLB S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1608	TW 558	TWE151B-HLB	HLB S.P Side	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1609	TW 559	TWE151C-HLB	HLB S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1610	TW 560	TWE161-HLB	SGB Inlet	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1611	TW 561	TWE191A-LSB	LSB Line North	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1612	TW 562	TWE191B-LSB	LSB Line South	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1613	TW 563	TWE191C-LSB	LSB Line East	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1614	TW 564	TWE191D-LSB	SGB Outlet	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1615	TW 565	TWE211A-CLB	CLB S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1616	TW 566	TWE211B-CLB	CLB S.P Side	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1617	TW 567	TWE211C-CLB	CLB S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1618	TW 568	TWE291A-PR	PR Relief Line S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1619	TW 569	TWE291B-PR	PR Relief Line S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1620	TW 570	TWE301A-PR	PR Safety S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1621	TW 571	TWE301B-PR	PR Safety S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1622	TW 572	TWE571A-BU	BU.1 S.P Up-Stream	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1623	TW 573	TWE571B-BU	BU.1 S.P Down-Stream	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1624	TW 574	TWE591A-BU	BU.2 S.P Up-Stream	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1625	TW 575	TWE591B-BU	BU.2 S.P Down-Stream	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1626	TW 576	TWE591C-BU	BU.2 S.P Down-Stream	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1631	TW 581	TWE061A-LSA	LSA S.P North	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1632	TW 582	TWE061B-LSA	LSA S.P South	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1633	TW 583	TWE201A-LSB	LSB S.P North	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1634	TW 584	TWE201B-LSB	LSB S.P South	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1635	TW 585	TWE311A-PR	PV-PR Vent Line S.P Top	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1636	TW 586	TWE311B-PR	PV-PR Vent Line S.P Bottom	UNUSED	4	0.000+0	0.000+0	V	0.000+0 0.000+0
1640	TW 590	TWE-111D-CDP	PLR-02-1 Outer Wall	GOOD	2	2.700+2	9.700+2	K	4.312+0 6.160-1
1641	TW 591	TWE-112D-CDP	PLR-01-2 Outer Wall	GOOD	2	2.700+2	9.700+2	K	4.312+0 6.160-1
1642	TW 592	TWE-113D-CDP	PLR-08-3 Outer Wall	GOOD	2	2.700+2	9.700+2	K	4.312+0 6.160-1
1643	TW 593	TWE-114D-CDP	PLR-07-4 Outer Wall	GOOD	2	2.700+2	9.700+2	K	4.312+0 6.160-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 18			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DGV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)
1644	TW 594	TWE-115D-CDP	PLR-06-5 Outer Wall	GOOD		2	2.700+2 9.700+2	K	4.312+0 6.160-1
1645	TW 595	TWE-116D-CDP	PLR-05-6 Outer Wall	GOOD		2	2.700+2 9.700+2	K	4.312+0 6.160-1
1646	TW 596	TWE-117D-CDP	PLR-04-7 Outer Wall	GOOD		2	2.700+2 9.700+2	K	4.312+0 6.160-1
1647	TW 597	TWE-118D-CDP	PLR-03-8 Outer Wall	GOOD		3	2.700+2 9.700+2	K	4.312+0 6.160-1
1648	TW 598	TWE-121D-UNDP	PLR-UN-9 Outer wall	GOOD		2	2.700+2 9.700+2	K	4.312+0 6.160-1
1649	TW 599	TWE-802552	B02 Rod(5,5) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1650	TW 600	TWE-802554	B02 Rod(5,5) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1651	TW 601	TWE-802555	B02 Rod(5,5) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1652	TW 602	TWE-802556	B02 Rod(5,5) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1653	TW 603	TWE-802557	B02 Rod(5,5) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1654	TW 604	TWE-802558	B02 Rod(5,5) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1655	TW 605	TWE-803552	B03 Rod(5,5) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1656	TW 606	TWE-803554	B03 Rod(5,5) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1657	TW 607	TWE-803555	B03 Rod(5,5) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1658	TW 608	TWE-803556	B02 Rod(5,5) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1659	TW 609	TWE-803557	B03 Rod(5,5) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1660	TW 610	TWE-803558	B03 Rod(5,5) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1661	TW 611	TWE-805112	B05 Rod(1,1) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1662	TW 612	TWE-805114	B05 Rod(1,1) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1663	TW 613	TWE-805115	B05 Rod(1,1) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1664	TW 614	TWE-805116	B05 Rod(1,1) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1665	TW 615	TWE-805117	B05 Rod(1,1) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1666	TW 616	TWE-805118	B05 Rod(1,1) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1667	TW 617	TWE-806552	B06 Rod(5,5) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1668	TW 618	TWE-806554	B06 Rod(5,5) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1669	TW 619	TWE-806555	B06 Rod(5,5) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1670	TW 620	TWE-806556	B06 Rod(5,5) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1671	TW 621	TWE-806557	B06 Rod(5,5) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1672	TW 622	TWE-806558	B06 Rod(5,5) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1673	TW 623	TWE-807552	B07 Rod(5,5) Pos.2	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1674	TW 624	TWE-807554	B07 Rod(5,5) Pos.4	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1675	TW 625	TWE-807555	B07 Rod(5,5) Pos.5	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1676	TW 626	TWE-807556	B07 Rod(5,5) Pos.6	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1677	TW 627	TWE-807557	B07 Rod(5,5) Pos.7	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1678	TW 628	TWE-807558	B07 Rod(5,5) Pos.8	GOOD		1	2.700+2 1.470+3	K	6.324+0 5.270-1
1679	TW 629	TWE-801221	B01 Rod(2,2) Pos.1	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1680	TW 630	TWE-801223	B01 Rod(2,2) Pos.3	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1681	TW 631	TWE-801225	B01 Rod(2,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1682	TW 632	TWE-801226	B01 Rod(2,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1683	TW 633	TWE-801227	B01 Rod(2,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1684	TW 634	TWE-801229	B01 Rod(2,2) Pos.9	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1685	TW 635	TWE-804221	B04 Rod(2,2) Pos.1	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1686	TW 636	TWE-804223	B04 Rod(2,2) Pos.3	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1687	TW 637	TWE-804225	B04 Rod(2,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1688	TW 638	TWE-804226	B04 Rod(2,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1689	TW 639	TWE-804227	B04 Rod(2,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1690	TW 640	TWE-804229	B04 Rod(2,2) Pos.9	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1691	TW 641	TWE-810621	B10 Rod(6,2) Pos.1	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1692	TW 642	TWE-810623	B10 Rod(6,2) Pos.3	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1693	TW 643	TWE-810625	B10 Rod(6,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1694	TW 644	TWE-810626	B10 Rod(6,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1695	TW 645	TWE-810627	B10 Rod(6,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1696	TW 646	TWE-810629	B10 Rod(6,2) Pos.9	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1697	TW 647	TWE-811221	B11 Rod(2,2) Pos.1	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1698	TW 648	TWE-811223	B11 Rod(2,2) Pos.3	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1699	TW 649	TWE-811225	B11 Rod(2,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1700	TW 650	TWE-811226	B11 Rod(2,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1701	TW 651	TWE-811227	B11 Rod(2,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1702	TW 652	TWE-811229	B11 Rod(2,2) Pos.9	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1703	TW 653	TWE-816221	B16 Rod(2,2) Pos.1	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1704	TW 654	TWE-816223	B16 Rod(2,2) Pos.3	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1705	TW 655	TWE-816225	B16 Rod(2,2) Pos.5	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1706	TW 656	TWE-816226	B16 Rod(2,2) Pos.6	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1707	TW 657	TWE-816227	B16 Rod(2,2) Pos.7	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1708	TW 658	TWE-816229	B16 Rod(2,2) Pos.9	GOOD		1	2.700+2 9.700+2	K	4.312+0 6.160-1
1731	FE 1	FE010-HLA	HLA Leakage(Positive)	UNUSED		2	0.000+0 4.000-1	kg/s	6.680-3 1.670+0
1732	FE 2	FE020A-LSA	Primary Loop A (High)	GOOD		2	0.000+0 9.000+1	kg/s	1.071+0 1.190+0
1733	FE 3	FE020B-LSA	Primary Loop A (Low)	GOOD		2	0.000+0 1.581+1	kg/s	1.736-1 1.098+0
1734	FE 4	FE150-HLB	HLB Leakage(Positive)	UNUSED		2	0.000+0 4.000-1	kg/s	5.680-3 1.670+0
1735	FE 5	FE160A-LSB	Primary Loop B (High)	GOOD		2	0.000+0 9.000+1	kg/s	1.071+0 1.190+0
1736	FE 6	FE160B-LSB	Primary Loop B (Low)	GOOD		2	0.000+0 1.581+1	kg/s	1.736-1 1.098+0
1737	FE 7	FE270-PR	PR Spray Line	QUESTIONABLE		2	0.000+0 1.000+0	kg/s	1.190-2 1.190+0
1740	FE 10	FE290-PR	PR Relief Valve	GOOD		2	0.000+0 3.000+0	kg/s	5.010-2 1.670+0
1741	FE 11	FE300-PR	PR Safety Valve	GOOD		2	0.000+0 6.000+0	kg/s	1.002-1 1.670+0
1742	FE 12	FE310-PV	PV-PR Vent Line	UNUSED		2	0.000+0 2.000+0	kg/s	4.518-2 2.259+0
1743	FE 13	FE430-SGA	SGA Feedwater	GOOD		2	0.000+0 4.000+0	kg/s	5.452-2 1.613+0
1744	FE 14	FE431-SGA	SGA Downcomer	GOOD		2	0.000+0 7.000+0	kg/s	1.129-1 1.613+0
1745	FE 15	FE432-SGA	SGA Downcomer	GOOD		2	0.000+0 7.000+0	kg/s	1.129-1 1.613+0
1746	FE 16	FE433-SGA	SGA Downcomer	GOOD		2	0.000+0 7.000+0	kg/s	1.129-1 1.613+0
1747	FE 17	FE434-SGA	SGA Downcomer	GOOD		2	0.000+0 7.000+0	kg/s	1.129-1 1.613+0
1748	FE 18	FE440-SGA	SGA Steam Line	GOOD		2	0.000+0 5.000+0	kg/s	1.108-1 2.217+0
1749	FE 19	FE450-SGA	SGA Relief Valve Line	GOOD		2	0.000+0 4.000+0	kg/s	8.868-2 2.217+0
1750	FE 20	FE460-SGA	SGA Safety Valve Line	BAD		2	0.000+0 1.500+2	kg/s	3.326+0 2.217+0
1751	FE 21	FE470-SGB	SGB Feedwater	GOOD		2	0.000+0 4.000+0	kg/s	6.680-2 1.670+0
1752	FE 22	FE471-SGB	SGB Downcomer	GOOD		2	0.000+0 7.000+0	kg/s	1.169-1 1.670+0

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 19			
ICF REV DATE 92-10-05				LCV XXX		REV YYY		DQV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)
1753	FE 23	FE472-SGB	SGB Downcomer	GOOD	2	0.000+0	7.000+0	kg/s	1.169-1 1.670+0
1754	FE 24	FE473-SGB	SGB Downcomer	GOOD	2	0.000+0	7.000+0	kg/s	1.169-1 1.670+0
1755	FE 25	FE474-SGB	SGB Downcomer	GOOD	2	0.000+0	7.000+0	kg/s	1.169-1 1.670+0
1756	FE 26	FE480-SGB	SGB Steam Line	GOOD	2	0.000+0	5.000+0	kg/s	1.129-1 2.259+0
1757	FE 27	FE490-SGB	SGB Relief Valve Line	QUESTIONABLE	2	0.000+0	4.000+0	kg/s	9.036-2 2.259+0
1758	FE 28	FE500-SGB	SGB Safety Valve Line	UNUSED	2	0.000+0	1.500+2	kg/s	3.388+0 2.259+0
1759	FE 29	FE510-SH	Steam Header	GOOD	2	0.000+0	1.000+1	kg/s	2.217-1 2.217+0
1761	FE 31	FE560A-BU	BU No.1 Venturi (High)	QUESTIONABLE	2	0.000+0	7.000+1	kg/s	7.686-1 1.098+0
1762	FE 32	FE560B-BU	BU No.1 Venturi (Low)	QUESTIONABLE	2	0.000+0	1.000+1	kg/s	1.098-1 1.098+0
1763	FE 33	FE570A-BU	BU No.2 Venturi (High)	QUESTIONABLE	2	0.000+0	1.000+1	kg/s	1.190-1 1.190+0
1764	FE 34	FE570B-BU	BU No.2 Venturi (Low)	QUESTIONABLE	2	0.000+0	2.240+0	kg/s	2.666-2 1.190+0
1765	FE 35	FE580-ST	ST Vent Line	UNUSED	2	0.000+0	3.000-1	kg/s	3.060-3 1.020+0
1766	FE 36	FE590-ST	ST Bleed Line	UNUSED	2	0.000+0	2.000+1	kg/s	2.040-1 1.020+0
1767	FE 37	FE650-ACC	Cold Acc Flow to CLA	QUESTIONABLE	2	0.000+0	1.500+1	kg/s	3.388-1 2.259+0
1768	FE 38	FE660-ACC	Cold Acc Flow to CLB	UNUSED	2	0.000+0	9.000+1	kg/s	2.033+0 2.259+0
1769	FE 39	FE670-ACH	Hot Acc Flow to CLA	UNUSED	2	0.000+0	9.000+1	kg/s	2.033+0 2.259+0
1770	FE 40	FE680-ACH	Hot Acc Flow to CLB	UNUSED	2	0.000+0	1.000+1	kg/s	2.259-1 2.259+0
1771	FE 41	FE730-PJ	PJ Delivery	UNUSED	2	0.000+0	2.200+0	kg/s	3.674-2 1.670+0
1772	FE 42	FE740-PJ	Charging Flow to Loop A	UNUSED	2	0.000+0	1.400+0	kg/s	2.338-2 1.670+0
1773	FE 43	FE750-PJ	Charging Flow to Loop B	UNUSED	2	0.000+0	4.000-1	kg/s	6.680-3 1.670+0
1774	FE 44	FE760-PH	PH Delivery(High)	UNUSED	2	0.000+0	1.500+0	kg/s	2.409-2 1.606+0
1775	FE 45	FE770-PH	HPI Flow to Loop A	UNUSED	2	0.000+0	3.000+0	kg/s	5.010-2 1.670+0
1776	FE 46	FE780-PH	HPI Flow to Loop B(High)	UNUSED	2	0.000+0	5.000-1	kg/s	8.350-3 1.670+0
1777	FE 47	FE790-PJ	Charging Flow to CLA	UNUSED	2	0.000+0	5.000-1	kg/s	8.350-3 1.670+0
1778	FE 48	FE820-PL	RHR Outlet(High)	UNUSED	2	0.000+0	1.500+1	kg/s	3.388-1 2.259+0
1779	FE 49	FE830-PL	LPI Flow to CLA(High)	UNUSED	2	0.000+0	1.500+1	kg/s	3.388-1 2.259+0
1780	FE 50	FE840-PL	LPI Flow to CLB(High)	UNUSED	2	0.000+0	1.500-1	kg/s	2.505-3 1.670+0
1781	FE 51	FE900-EX	N2 Gas	UNUSED	2	0.000+0	1.500-1	kg/s	2.505-3 1.670+0
1782	FE 52	FE011-HLA	Hot Leg A Reflux Flow	UNUSED	2	0.000+0	2.500+0	kg/s	5.025-2 2.010+0
1783	FE 53	FE151-HLB	Hot Leg B Reflux Flow	UNUSED	2	0.000+0	2.500+0	kg/s	5.025-2 2.010+0
1784	FE 54	FE320-PV	PV Auto Bleed	UNUSED	2	0.000+0	1.000+0	kg/s	1.670-2 1.670+0
1785	FE 55	FE781-PH	HPI Flow to HLB	UNUSED	4	0.000+0	3.000+0	kg/s	5.031-2 1.677+0
1786	FE 56	FE782-PH	HPI Flow to LSB	UNUSED	4	0.000+0	3.000+0	kg/s	5.031-2 1.677+0
1787	FE 57	FE783-PH	HPI Flow to CLB	UNUSED	4	0.000+0	3.000+0	kg/s	5.031-2 1.677+0
1788	FE 58	FE784-PH	HPI Flow to PV Bottom	UNUSED	4	0.000+0	3.000+0	kg/s	5.031-2 1.677+0
1789	FE 59	FE785-PH	HPI Flow to PV Top	UNUSED	4	0.000+0	3.000+0	kg/s	5.031-2 1.677+0
1790	FE 60	FE831-PL	LPI Flow to HLA	UNUSED	2	0.000+0	1.200+1	kg/s	2.004-1 1.670+0
1791	FE 61	FE841-PL	LPI Flow to HLB	UNUSED	2	0.000+0	1.200+1	kg/s	2.004-1 1.670+0
1792	FE 62	FE010B-HLA	HLA Leakage(Negative)	UNUSED	2	0.000+0	4.000-1	kg/s	6.452-3 1.613+0
1793	FE 63	FE150B-HLB	HLB Leakage(Negative)	UNUSED	2	0.000+0	4.000-1	kg/s	6.452-3 1.613+0
1794	FE 64	FE280C-PR	PR Surge Line(Low)	UNUSED	2	0.000+0	1.000+1	kg/s	1.613-1 1.613+0
1795	FE 65	FE440B-SGA	SGA Main Steam Line(Low)	QUESTIONABLE	2	0.000+0	1.000+0	kg/s	2.212-2 2.212+0
1796	FE 66	FE451-SGA	SGA Turbine Bypass Flow	UNUSED	2	0.000+0	2.000+1	kg/s	4.434-1 2.217+0
1797	FE 67	FE480B-SGB	SGB Main Steam Line(Low)	QUESTIONABLE	2	0.000+0	1.000+0	kg/s	2.212-2 2.212+0
1798	FE 68	FE491-SGB	SGB Turbine Bypass Flow	QUESTIONABLE	2	0.000+0	2.000+1	kg/s	4.434-1 2.217+0
1799	FE 69	FE515-JC	JC Bleed	UNUSED	2	0.000+0	1.500+0	kg/s	2.420-2 1.613+0
1800	FE 70	FE520-PAA	Auxiliary Feedwater A(High)	UNUSED	2	0.000+0	1.500+0	kg/s	2.409-2 1.606+0
1801	FE 71	FE520B-PAA	Auxiliary Feedwater A(Low)	UNUSED	2	0.000+0	1.000+0	kg/s	1.613-2 1.613+0
1802	FE 72	FE530B-PAB	Auxiliary Feedwater B(Low)	UNUSED	2	0.000+0	1.000+0	kg/s	1.606-2 1.606+0
1803	FE 73	FE730B-PJ	PJ Delivery(Low)	UNUSED	2	0.000+0	1.277+0	kg/s	2.051-2 1.606+0
1804	FE 74	FE740B-PJ	Charging Flow to A(Low)	UNUSED	2	0.000+0	1.277+0	kg/s	2.051-2 1.606+0
1805	FE 75	FE750B-PJ	Charging Flow to B(Low)	UNUSED	2	0.000+0	2.047-1	kg/s	3.287-3 1.606+0
1806	FE 76	FE760B-PH	PH Delivery(Low)	UNUSED	2	0.000+0	1.000+0	kg/s	1.670-2 1.670+0
1807	FE 77	FE780B-PH	HPI Flow to Loop B(Low)	UNUSED	2	0.000+0	3.000-1	kg/s	4.818-3 1.606+0
1808	FE 78	FE820B-PL	RHR Outlet(Low)	UNUSED	2	0.000+0	5.000+0	kg/s	1.106-1 2.212+0
1809	FE 79	FE830B-PL	LPI Flow to CLA(Low)	UNUSED	2	0.000+0	5.000+0	kg/s	1.106-1 2.212+0
1810	FE 80	FE840B-PL	LPI Flow to CLB(Low)	UNUSED	2	0.000+0	3.000+0	kg/s	6.656-2 2.212+0
1811	FE 81	FE595-BU	Small BU(High)	FOR PROCESS NOT INCLUDED.	2	0.000+0	2.500+0	kg/s	4.033-2 1.613+0
1812	FE 82	FE596-BU	Small BU(Low)	FOR PROCESS NOT INCLUDED.	2	0.000+0	1.000+0	kg/s	1.613-2 1.613+0
1813	FE 83	FE960-CS	Oil Flow	GOOD	3	0.000+0	2.000+0	kg/s	3.212-2 1.606+0
1814	FE 84	FE030-CLA	PCA Bypass Line	QUESTIONABLE	3	0.000+0	2.500+1	kg/s	2.745-1 1.098+0
1815	FE 85	FE170-CLB	PCB Bypass Line	QUESTIONABLE	3	0.000+0	2.500+1	kg/s	2.745-1 1.098+0
1816	FE 86	FE250A-PR	ACH-PR Balance Line (High)	QUESTIONABLE	3	0.000+0	7.000-1	kg/s	7.686-3 1.098+0
1817	FE 87	FE250B-PR	ACH-PR Balance Line (Low)	QUESTIONABLE	3	0.000+0	1.400-1	kg/s	1.537-3 1.098+0
1818	FE 88	FE670A-ACH	ACH Flow to Downcomer (High)	GOOD	3	0.000+0	1.400+1	kg/s	3.097-1 2.212+0
1819	FE 89	FE670B-ACH	ACH Flow to Downcomer (Low)	GOOD	3	0.000+0	2.800+0	kg/s	6.194-2 2.212+0
1820	FE 90	FE680A-ACH	ACH-CLB Balance Line (High)	GOOD	3	0.000+0	7.000+0	kg/s	1.548-1 2.212+0
1821	FE 91	FE680B-ACH	ACH-CLB Balance Line (Low)	GOOD	3	0.000+0	1.400+0	kg/s	3.097-2 2.212+0
1881	PE 1	PE561-BU	BU No.1 Venturi	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1882	PE 2	PE561-BU	BU No.2 Venturi	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1883	PE 3	PE010-SGA	SGA Inlet Plenum	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1884	PE 4	PE020-LSA	PCA Suction	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1885	PE 5	PE030-SGA	PCA Delivery	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1886	PE 6	PE150-SGB	SGB Inlet Plenum	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1887	PE 7	PE160-LSB	PCB Suction	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1888	PE 8	PE170-CLB	PCB Delivery	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1889	PE 9	PE290-PV	PV Upper Head	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1890	PE 10	PE280A-PV	PV Upper Plenum(High)	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1891	PE 11	PE280B-PV	PV Upper Plenum(Low)	GOOD	2	0.000+0	5.000+0	MPa	2.695-2 5.390-1
1892	PE 12	PE270-PV	PV Lower Plenum	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1893	PE 13	PE300A-PR	PR (High Range)	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1894	PE 14	PE300B-PR	PR (Low Range)	GOOD	2	0.000+0	5.000+0	MPa	2.695-2 5.390-1
1895	PE 15	PE310-PR	PR RV Venturi Upstream	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1896	PE 16	PE320-PR	PR RV Venturi Downstream	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1
1897	PE 17	PE330-PR	PR SV Venturi Upstream	GOOD	2	0.000+0	2.000+1	MPa	1.078-1 5.390-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 20			
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DQV SCR	
							RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)
1898	PE 18	PE340-PR	PR SV Venturi Downstream	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1899	PE 19	PE430-SGA	SGA Steam Dome	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1900	PE 20	PE440-SGA	SGA Steam Line	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1901	PE 21	PE450-SGB	SGB Steam Dome	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1902	PE 22	PE460-SGB	SGB Steam Line	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1903	PE 23	PE470-SH	Steam Header	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1904	PE 24	PE480-JC	Jet Condenser	GOOD	2	0.000+0 1.000+1	MPa	5.390-2 5.390-1
1905	PE 25	PE610-ST	Suppression Tank	GOOD	2	0.000+0 1.000+0	MPa	3.200-3 3.200-1
1906	PE 26	PE660-BU	BU No.1 Orifice Upstream	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1907	PE 27	PE570-BU	BU No.1 Orifice Downstream	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1908	PE 28	PE580-BU	BU No.2 Orifice Upstream	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1909	PE 29	PE590-BU	BU No.2 Orifice Downstream	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1910	PE 30	PE600-ST	Blowdown Piping	QUESTIONABLE	2	0.000+0 2.000+0	MPa	6.400-3 3.200-1
1911	PE 31	PE650-ACC	Cold Acc Tank	GOOD	2	0.000+0 1.000+1	MPa	1.078-1 5.390-1
1912	PE 32	PE660-ACH	Hot Acc Tank	GOOD	2	0.000+0 1.600+1	MPa	8.624-2 5.390-1
1914	PE 34	PE900-EX	N2 Gas	UNUSED	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1915	PE 35	PE011-HLA	HLA Spool Piece	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1916	PE 36	PE071-CLA	CLA Spool Piece	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1917	PE 37	PE151-HLB	HLB Spool Piece	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1918	PE 38	PE211-CLB	CLB Spool Piece	GOOD	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1919	PE 39	PE291-PR	PR Relief Valve S.P	GOOD	4	0.000+0 2.000+1	MPa	1.118-1 5.590-1
1920	PE 40	PE301-PR	PR Safety Valve Line	GOOD	4	0.000+0 2.000+1	MPa	1.118-1 5.590-1
1921	PE 41	PE311-PR	PV-PR Vent Line	GOOD	4	0.000+0 2.000+1	MPa	1.118-1 5.590-1
1923	PE 43	PE571-BU	BU No.1 S.P	GOOD	4	0.000+0 2.000+1	MPa	1.118-1 5.590-1
1924	PE 44	PE591-BU	BU No.2 S.P	GOOD	4	0.000+0 2.000+1	MPa	1.118-1 5.590-1
1925	PE 45	PE451-SGA	SGA Safety Valve Line S.P	UNUSED	4	0.000+0 1.000+1	MPa	5.590-2 5.590-1
1926	PE 46	PE820-RHR	PL Delivery	UNUSED	2	0.000+0 2.000+1	MPa	1.078-1 5.390-1
1927	PE 47	PE595-BU	Small BU F-OR Upstream	FOR PROCESS NOT INCLUDED.	2	0.000+0 2.000+1	MPa	5.660-2 2.830-1
1928	PE 48	PE596-BU	Small BU F-OR Upstream	FOR PROCESS NOT INCLUDED.	2	0.000+0 2.000+1	MPa	5.660-2 2.830-1
1929	PE 49	PE597-BU	Small BU F-OR Upstream	FOR PROCESS NOT INCLUDED.	2	0.000+0 2.000+1	MPa	5.660-2 2.830-1
1930	PE 50	PE598-BU	Spool Piece Pos.3	FOR PROCESS NOT INCLUDED.	4	0.000+0 2.000+1	MPa	5.800-2 2.900-1
1932	PE 52	PE560B-BU	BU Orifice Upstream(Low)	UNUSED	4	0.000+0 1.000+0	MPa	3.200-3 3.200-1
1933	PE 53	PE430B-SGA	SGA Steam Dome(Low)	BAD	4	0.000+0 1.000+0	MPa	3.200-3 3.200-1
1934	PE 54	PE450B-SGB	SGB Steam Dome(Low)	BAD	4	0.000+0 1.000+0	MPa	3.200-3 3.200-1
1981	MI 1	RE010-PCA	PCA (Rotation Speed)	GOOD	2	0.000+0 7.000+1	Hz	3.836-1 5.480-1
1982	MI 2	RE150-PCB	PCB (Rotation Speed)	GOOD	2	0.000+0 7.000+1	Hz	3.836-1 5.480-1
1983	MI 3	OPE270-PR	PR Spray (HCV270)	GOOD	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1984	MI 4	OPE300A-PR	PR Pressure (PCV300A)	QUESTIONABLE	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1985	MI 5	OPE430-SGA	SGA Feedwater (FCV430)	GOOD	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1986	MI 6	OPE470-SGB	SGB Feedwater (FCV470)	GOOD	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1987	MI 7	OPE440-SGA	Turbine Bypass (FCV440)	UNUSED	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1988	MI 8	OPE510-SH	Steam Flow (FCV510)	QUESTIONABLE	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1989	MI 9	OPE820-PL	RHR Flow (FCV820)	UNUSED	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1990	MI 10	OPE840-PL	RHR Temperature (TCV840)	UNUSED	2	0.000+0 1.000+2	Z	5.390-1 5.390-1
1991	MI 11	VBE010-PCA	PCA (Vibration)	GOOD	2	0.000+0 2.000+2	um	1.001+1 5.005+0
1992	MI 12	VBE150-PCB	PCB (Vibration)	GOOD	2	0.000+0 2.000+2	um	1.001+1 5.005+0
1993	MI 13	TRE010-PCA	PCA (Torque)	QUESTIONABLE AFTER 250 SEC.	2	0.000+0 1.000+2	Nm	1.601+0 1.601+0
1994	MI 14	TRE150-PCB	PCB (Torque)	BAD	2	0.000+0 1.000+2	Nm	1.601+0 1.601+0
1995	MI 15	AE010-PCA	PCA (Electric Current)	GOOD	2	0.000+0 1.500+2	A	1.554+0 1.036+0
1996	MI 16	AE150-PCB	PCB (Electric Current)	GOOD	2	0.000+0 1.500+2	A	1.554+0 1.036+0
1997	MI 17	WE270A-T	Total Core Power	GOOD	2	0.000+0 1.600+1	MW	7.024-2 4.390-1
1998	MI 18	WE270B-M	Middle Heat Flux Region	GOOD	2	0.000+0 2.000+0	MW	8.780-3 4.390-1
1999	MI 19	WE270C-M1	High Heat Flux Region	GOOD	2	0.000+0 4.000+0	MW	1.756-2 4.390-1
2000	MI 20	WE270D-M2	High Heat Flux Region	GOOD	2	0.000+0 4.000+0	MW	1.756-2 4.390-1
2001	MI 21	WE270E-L1	Low Heat Flux Region	GOOD	2	0.000+0 2.000+0	MW	8.780-3 4.390-1
2002	MI 22	WE270F-L2	Low Heat Flux Region	GOOD	2	0.000+0 2.000+0	MW	8.780-3 4.390-1
2003	MI 23	WE270G-L3	Low Heat Flux Region	GOOD	2	0.000+0 2.000+0	MW	8.780-3 4.390-1
2004	MI 24	WE280A-PR	PR Proportional Heater	GOOD	2	0.000+0 1.000+1	kW	1.503-1 1.503+0
2005	MI 25	WE280B-PR	PR Base Heater	GOOD	2	0.000+0 1.500+2	kW	2.254+0 1.503+0
2006	MI 26	WE010-PCA	PCA	QUESTIONABLE	2	0.000+0 3.000+1	kW	4.509-1 1.503+0
2007	MI 27	WE150-PCB	PCB	QUESTIONABLE	2	0.000+0 3.000+1	kW	4.509-1 1.503+0
2009	MI 29	WE020-HLA	HLA	GOOD	4	0.000+0 5.000+0	kW	7.555-2 1.511+0
2010	MI 30	WE030-LSA	LSA	GOOD	4	0.000+0 7.500+0	kW	1.133-1 1.511+0
2011	MI 31	WE040-CLA	CLA	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2012	MI 32	WE160-HLB	HLB	GOOD	4	0.000+0 5.000+0	kW	7.555-2 1.511+0
2013	MI 33	WE170-LSB	LSB	GOOD	4	0.000+0 7.500+0	kW	1.133-1 1.511+0
2014	MI 34	WE180-CLB	CLB	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2015	MI 35	WE271A-PV	PV	GOOD	4	0.000+0 1.500+1	kW	2.266-1 1.511+0
2016	MI 36	WE271B-PV	PV	GOOD	4	0.000+0 1.500+1	kW	2.266-1 1.511+0
2017	MI 37	WE271C-PV	PV	GOOD	4	0.000+0 1.500+1	kW	2.266-1 1.511+0
2018	MI 38	WE271D-PV	PV	GOOD	4	0.000+0 1.500+1	kW	2.266-1 1.511+0
2019	MI 39	WE430A-SGA	SGA	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2020	MI 40	WE430B-SGA	SGA	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2021	MI 41	WE430C-SGA	SGA	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2022	MI 42	WE430D-SGA	SGA	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2023	MI 43	WE440A-SGA	SGA Downcomer	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2024	MI 44	WE440B-SGA	SGA Downcomer	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2025	MI 45	WE440C-SGA	SGA Downcomer	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2026	MI 46	WE440D-SGA	SGA Downcomer	GOOD	4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2027	MI 47	WE290-PR	PR Surge Line	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2028	MI 48	WE300-PR	PR Spray Line	GOOD	4	0.000+0 7.500+0	kW	1.133-1 1.511+0
2029	MI 49	WE450A-SGB	SGB	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2030	MI 50	WE450B-SGB	SGB	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2031	MI 51	WE450C-SGB	SGB	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0
2032	MI 52	WE450D-SGB	SGB	GOOD	4	0.000+0 4.000+0	kW	6.044-2 1.511+0

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 21			
ICF REV DATE 92-10-05				LCV XXX	RCV YYY	DQR SCR	RUN DATE 93-12-03		
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)
2033	MI 53	VE460A-SGB	SGB Downcomer	G000		4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2034	MI 54	VE460B-SGB	SGB Downcomer	G000		4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2035	MI 55	VE460C-SGB	SGB Downcomer	G000		4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2036	MI 56	VE460D-SGB	SGB Downcomer	G000		4	0.000+0 2.000+0	kW	3.022-2 1.511+0
2037	MI 57	VE500A-ACC	Cold ACC Line	BAD		4	0.000+0 1.000+1	kW	1.511-1 1.511+0
2038	MI 58	VE600B-ACC	Cold ACC Line	UNUSED		4	0.000+0 1.000+1	kW	1.511-1 1.511+0
2039	MI 59	VE660A-ACH	Hot Acc Line	UNUSED		4	0.000+0 2.000+1	kW	3.022-1 1.511+0
2040	MI 60	VE660B-ACH	Hot Acc Line	UNUSED		4	0.000+0 1.500+1	kW	2.266-1 1.511+0
2066	MI 86	VE010-HLA	HLA Pitot Tube	UNUSED		4	0.000+0 3.000+1	V	4.500-1 1.500+0
2072	MI 92	VE-W-006-DC	PV Downcomer North	BAD		4			
2073	MI 93	VE-S-006-DC	PV Downcomer South	BAD		4		V	
2074	MI 94	VE-E-006-DC	PV Downcomer East	BAD		4		V	
2075	MI 95	VE-W-006-DC	PV Downcomer West	BAD		4		V	
2078	MI 98	VE030A-CLA	CLA Pitot Tube	UNUSED		4		V	
2079	MI 99	VE030B-CLA	CLA Pitot Tube	UNUSED		4		V	
2080	MI 100	VE030-CLA	CLA Pitot Tube	UNUSED		4		V	
2081	MI 101	VE010A-HLA	HLA Pitot Tube	UNUSED		4		V	
2082	MI 102	VE010B-HLA	HLA Pitot Tube	UNUSED		4		V	
2083	MI 103	VE020A-LSA	LSA Pitot Tube	UNUSED		4		V	
2084	MI 104	VE020B-LSA	LSA Pitot Tube	UNUSED		4		V	
2085	MI 105	VE020-LSA	LSA Pitot Tube	UNUSED		4		V	
2181	LE 1	LE270-PV	PV	G000		2	0.000+0 1.100+1	m	3.520-2 3.200-1
2182	LE 2	LE280-PR	PR	G000		2	0.000+0 5.000+0	m	2.695-2 5.390-1
2183	LE 3	LE430-SGA	SGA Wide Range	G000		2	0.000+0 1.700+1	m	5.440-2 3.200-1
2184	LE 4	LE440-SGA	SGA Narrow Range	G000		2	0.000+0 6.000+0	m	1.920-2 3.200-1
2185	LE 5	LE441-SGA	SGA Boiling Section	G000		2	0.000+0 1.100+1	m	3.520-2 3.200-1
2186	LE 6	LE450-SGB	SGB Wide Range	G000		2	0.000+0 1.700+1	m	5.440-2 3.200-1
2187	LE 7	LE460-SGB	SGB Narrow Range	G000		2	0.000+0 6.000+0	m	1.920-2 3.200-1
2188	LE 8	LE461-SGB	SGB Boiling Section	G000		2	0.000+0 1.100+1	m	3.520-2 3.200-1
2189	LE 9	LE470-JC	JC	G000		2	0.000+0 5.500+0	m	1.760-2 3.200-1
2190	LE 10	LE560-ST	ST Wide Range	G000		2	0.000+0 1.200+1	m	3.840-2 3.200-1
2191	LE 11	LE570-ST	ST Low Level	G000		2	0.000+0 4.000+0	m	1.280-2 3.200-1
2192	LE 12	LE580-ST	ST Middle Level	G000		2	0.000+0 4.000+0	m	1.280-2 3.200-1
2193	LE 13	LE590-ST	ST High Level	G000		2	0.000+0 4.000+0	m	1.280-2 3.200-1
2194	LE 14	LE650-ACC	Cold Acc Tank	G000		2	0.000+0 5.000+0	m	2.695-2 5.390-1
2195	LE 15	LE660-ACH	Hot Acc Tank	QUESTIONABLE		2	0.000+0 5.000+0	m	2.695-2 5.390-1
2196	LE 16	LE820-PL	RHR	UNUSED		2	0.000+0 5.000+0	m	1.600-2 3.200-1
2197	LE 17	LE830-RWST	RWST	QUESTIONABLE		2	0.000+0 1.000+1	m	3.200-2 3.200-1
2198	LE 18	LE442-SGA	SGA Downcomer	G000		2	0.000+0 1.200+1	m	3.840-2 3.200-1
2199	LE 19	LE462-SGB	SGB Downcomer	G000		2	0.000+0 1.200+1	m	3.840-2 3.200-1
2200	LE 20	OLE270-PV	PV	G000		4	0.000+0 1.075+2	kPa	3.806-1 3.540-1
2201	LE 21	OLE280-PR	PR	G000		4	0.000+0 3.909+1	kPa	2.185-1 5.590-1
2202	LE 22	OLE430-SGA	SGA Wide Range	G000		4	0.000+0 1.662+2	kPa	5.882-1 3.540-1
2203	LE 23	OLE440-SGA	SGA Narrow Range	G000		4	0.000+0 5.864+1	kPa	2.076-1 3.540-1
2204	LE 24	OLE441-SGA	SGA Boiling Section	G000		4	0.000+0 1.075+2	kPa	3.806-1 3.540-1
2205	LE 25	OLE442-SGA	SGA Downcomer	G000		4	0.000+0 1.106+2	kPa	3.916-1 3.540-1
2206	LE 26	OLE450-SGB	SGB Wide Range	G000		4	0.000+0 1.662+2	kPa	5.882-1 3.540-1
2207	LE 27	OLE460-SGB	SGB Narrow Range	G000		4	0.000+0 5.864+1	kPa	2.076-1 3.540-1
2208	LE 28	OLE461-SGB	SGB Boiling Section	G000		4	0.000+0 1.075+2	kPa	3.806-1 3.540-1
2209	LE 29	OLE462-SGB	SGB Downcomer	G000		4	0.000+0 1.106+2	kPa	3.916-1 3.540-1
2210	LE 30	OLE470-JC	JC	G000		4	0.000+0 5.375+1	kPa	1.903-1 3.540-1
2211	LE 31	OLE560-ST	ST Wide Range	G000		4	0.000+0 1.173+2	kPa	4.152-1 3.540-1
2212	LE 32	OLE570-ST	ST Low Level	G000		4	0.000+0 3.909+1	kPa	1.384-1 3.540-1
2213	LE 33	OLE580-ST	ST Middle Level	G000		4	0.000+0 3.909+1	kPa	1.384-1 3.540-1
2214	LE 34	OLE590-ST	ST High Level	G000		4	0.000+0 3.909+1	kPa	1.384-1 3.540-1
2215	LE 35	OLE650-ACC	Cold Acc Tank	G000		4	0.000+0 4.887+1	kPa	2.732-1 5.590-1
2216	LE 36	OLE660-ACH	Hot Acc Tank	QUESTIONABLE		4	0.000+0 4.887+1	kPa	2.732-1 5.590-1
2217	LE 37	OLE820-PL	RHR	UNUSED		4	0.000+0 4.857+1	kPa	1.719-1 3.540-1
2218	LE 38	OLE830-RWST	RWST	G000		4	0.000+0 9.807+1	kPa	3.472-1 5.590-1
2251	BP 1	DPE010-HLA	Upper Plenum - HLA Nozzle	G000		4	-4.000+1 4.000+1	kPa	4.472-1 5.590-1
2252	DP 2	DPE020-HLA	HLA Nozzle - HLA Break	G000		4	-4.000+1 4.000+1	kPa	4.472-1 5.590-1
2253	DP 3	DPE030A-HLA	PR Surge Line(High)	BAD		4	-1.000+2 1.900+3	kPa	7.080+0 3.540-1
2254	DP 4	DPE040-HLA	HLA Break - SGA Inlet	G000		4	-4.000+1 4.000+1	kPa	4.472-1 5.590-1
2255	DP 5	DPE050A-SGA	SGA Inlet - Tube 3 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2256	DP 6	DPE050B-SGA	SGA Inlet - Tube 2 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2257	DP 7	DPE050C-SGA	SGA Inlet - Tube 1 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2258	DP 8	DPE050D-SGA	SGA Inlet - Tube 4 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2259	DP 9	DPE050E-SGA	SGA Inlet - Tube 5 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2260	DP 10	DPE050F-SGA	SGA Inlet - Tube 6 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2261	DP 11	DPE050A-SGA	SGA Outlet - Tube 3 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2262	DP 12	DPE060B-SGA	SGA Outlet - Tube 2 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2263	DP 13	DPE060C-SGA	SGA Outlet - Tube 1 Top	G000		4	-1.500+2 5.000+1	kPa	7.080+0 3.540-1
2264	DP 14	DPE060D-SGA	SGA Outlet - Tube 4 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2265	DP 15	DPE060E-SGA	SGA Outlet - Tube 5 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2266	DP 16	DPE060F-SGA	SGA Outlet - Tube 6 Top	G000		4	-1.500+2 5.000+1	kPa	1.118+0 5.590-1
2267	DP 17	DPE070-LSA	SGA Outlet - LSA Bottom	G000		4	-8.000+1 8.000+1	kPa	8.944-1 5.590-1
2268	DP 18	DPE080-LSA	LSA Bottom - PCA Suction	G000		4	-5.000+1 5.000+1	kPa	5.590-1 5.590-1
2269	DP 19	DPE090-PCA	PCA Suction - Delivery	G000		4	-5.000+1 5.000+1	kPa	5.590-1 5.590-1
2270	DP 20	DPE100-CLA	PR Spray Line	G000		4	-2.000+2 2.000+2	kPa	2.236+0 5.590-1
2271	DP 21	DPE110-CLA	PCA Delivery - CLA Break	G000		4	-5.000+1 5.000+1	kPa	5.590-1 5.590-1
2272	DP 22	DPE120-CLA	CLA Break - CLA Nozzle	G000		4	-5.000+1 5.000+1	kPa	5.590-1 5.590-1
2273	DP 23	DPE130-CLA	CLA Nozzle - Downcomer	G000		4	-5.000+1 5.000+1	kPa	5.590-1 5.590-1
2274	DP 24	DPE140-HLA	Upper Plenum - Downcomer	G000		4	-3.000+1 3.000+1	kPa	3.354-1 5.590-1
2275	DP 25	DPE150-HLB	Upper Plenum - HLB Nozzle	G000		4	-3.000+1 3.000+1	kPa	3.354-1 5.590-1
2276	DP 26	DPE160-HLB	HLB Nozzle - HLB Break	G000		4	-3.000+1 3.000+1	kPa	3.354-1 5.590-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 22				
ICF REV DATE 92-10-05			LCV XXX	RCV YYY	DGV SCR	RUN DATE 93-12-03			
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)
2277	DP 27	DPE170-HLB	HLB Break - SGB Break	G000	4	-3.000+1	3.000+1	kPa	3.354-1 5.590-1
2278	DP 28	DPE180-HLB	SGB Break - SGB Inlet	G000	4	-3.000+1	3.000+1	kPa	3.354-1 5.590-1
2279	DP 29	DPE190A-SGB	SGB Inlet - Tube 3 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2280	DP 30	DPE190B-SGB	SGB Inlet - Tube 2 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2281	DP 31	DPE190C-SGB	SGB Inlet - Tube 1 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2282	DP 32	DPE190D-SGB	SGB Inlet - Tube 4 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2283	DP 33	DPE190E-SGB	SGB Inlet - Tube 5 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2284	DP 34	DPE190F-SGB	SGB Inlet - Tube 6 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2285	DP 35	DPE200A-SGB	SGB Outlet - Tube 3 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2286	DP 36	DPE200B-SGB	SGB Outlet - Tube 2 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2287	DP 37	DPE200C-SGB	SGB Outlet - Tube 1 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2288	DP 38	DPE200D-SGB	SGB Outlet - Tube 4 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2289	DP 39	DPE200E-SGB	SGB Outlet - Tube 5 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2290	DP 40	DPE200F-SGB	SGB Outlet - Tube 6 Top	G000	4	-1.500+2	5.000+1	kPa	1.118+0 5.590-1
2291	DP 41	DPE210-LSB	SGB Outlet - LSB Bottom	G000	4	-8.000+1	8.000+1	kPa	8.944-1 5.590-1
2292	DP 42	DPE220-LSB	LSB Bottom - PCB Suction	G000	4	-5.000+1	5.000+1	kPa	5.590-1 5.590-1
2293	DP 43	DPE230-PCR	PCR Suction - Delivery	G000	4	-5.000+1	5.000+1	kPa	5.590-1 5.590-1
2294	DP 44	DPE240-CLB	PCR Delivery - CLB Break	G000	4	-2.000+1	2.000+1	kPa	2.236-1 5.590-1
2295	DP 45	DPE250-CLB	CLB Break - CLB Nozzle	G000	4	-2.000+1	2.000+1	kPa	2.236-1 5.590-1
2296	DP 46	DPE260-CLB	CLB Nozzle - Downcomer	G000	4	-2.000+1	2.000+1	kPa	2.236-1 5.590-1
2297	DP 47	DPE270-PV	PV Bottom - Top	G000	4	-1.000+2	4.000+2	kPa	2.795+0 5.590-1
2298	DP 48	DPE280-PV	PV Lower Plenum	G000	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2299	DP 49	DPE290-PV	Lower Core Support Plate	QUESTIONABLE	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2300	DP 50	DPE300-PV	Core(Elevation -35 - 3945)	G000	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2301	DP 51	DPE320-PV	Upper Plenum	G000	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2302	DP 52	DPE330-PV	Upper Head	G000	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2303	DP 53	DPE310-PV	Upper Core Support Plate	G000	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2304	DP 54	DPE350A-PV	Guide Tube Top Orifice	G000	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2305	DP 55	DPE350B-PV	Guide Tube Top Orifice	G000	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2306	DP 56	DPE360-PV	PV Downcomer	G000	4	-1.000+2	3.000+2	kPa	2.236+0 5.590-1
2307	DP 57	DPE370-PV	Lower Downcomer	G000	4	-5.000+1	1.500+2	kPa	1.118+0 5.590-1
2308	DP 58	DPE380-PV	Upper Downcomer	G000	4	-5.000+1	1.500+2	kPa	1.118+0 5.590-1
2309	DP 59	DPE390-PV	Simulated Check Valve A	UNUSED	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2310	DP 60	DPE400-PV	Simulated Check Valve B	UNUSED	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2311	DP 61	DPE410-PV	Check Valve Control	UNUSED	4	-5.000+1	1.000+2	kPa	8.385-1 5.590-1
2312	DP 62	DPE332-PV	Upper Head - Downcomer	G000	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2313	DP 63	DPE331-PV	Upper Head	G000	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2314	DP 64	DPE560A-BU	FE560A (BU 1 High)	QUESTIONABLE	4	0.000+0	2.450+2	kPa	1.370+0 5.590-1
2315	DP 65	DPE560B-BU	FE560B (BU 1 Low)	QUESTIONABLE	4	0.000+0	5.000+0	kPa	1.600-2 3.200-1
2316	DP 66	DPE570-BU	BU No.1 Venturi	QUESTIONABLE	4	0.000+0	5.000+2	kPa	2.795+0 5.590-1
2317	DP 67	DPE580A-BU	FE570A (BU 2 High)	QUESTIONABLE	4	0.000+0	1.000+2	kPa	5.590-1 5.590-1
2318	DP 68	DPE580B-BU	FE570B (BU 2 Low)	QUESTIONABLE	4	0.000+0	5.000+0	kPa	1.600-2 3.200-1
2319	DP 69	DPE590-BU	BU No.2 Venturi	G000	4	0.000+0	5.000+2	kPa	2.795+0 5.590-1
2320	DP 70	DPE030B-HLA	PR Surge Line(Low)	G000	4	-3.000+2	3.000+2	kPa	3.354+0 5.590-1
2321	DP 71	DPE072-LSA	LSA (SG Side)	G000	4	0.000+0	4.500+1	kPa	2.515-1 5.590-1
2322	DP 72	DPE073-LSA	LSA (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2323	DP 73	DPE074-LSA	LSA (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2324	DP 74	DPE075-LSA	LSA (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2325	DP 75	DPE076-LSA	LSA (SG Side)	G000	4	0.000+0	3.000+1	kPa	1.677-1 5.590-1
2326	DP 76	DPE212-LSB	LSB (SG Side)	G000	4	0.000+0	4.500+1	kPa	2.515-1 5.590-1
2327	DP 77	DPE213-LSB	LSB (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2328	DP 78	DPE214-LSB	LSB (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2329	DP 79	DPE215-LSB	LSB (SG Side)	G000	4	-1.000+1	1.000+1	kPa	1.118-1 5.590-1
2330	DP 80	DPE216-LSB	LSB (SG Side)	G000	4	0.000+0	3.000+1	kPa	1.677-1 5.590-1
2331	DP 81	DPE430-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2332	DP 82	DPE431-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2333	DP 83	DPE432-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2334	DP 84	DPE433-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2335	DP 85	DPE434-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2336	DP 86	DPE435-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2337	DP 87	DPE436-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2338	DP 88	DPE437-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2339	DP 89	DPE438-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2340	DP 90	DPE439-SGA	SGA Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2341	DP 91	DPE440-SGA	SGA Boiling Section	G000	4	-4.000+1	0.000+0	kPa	2.236-1 5.590-1
2342	DP 92	DPE450-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2343	DP 93	DPE451-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2344	DP 94	DPE452-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2345	DP 95	DPE453-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2346	DP 96	DPE454-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2347	DP 97	DPE455-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2348	DP 98	DPE456-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2349	DP 99	DPE457-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2350	DP 100	DPE458-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2351	DP 101	DPE459-SGB	SGB Boiling Section	G000	4	-3.000+1	0.000+0	kPa	1.677-1 5.590-1
2352	DP 102	DPE460-SGB	SGB Boiling Section	G000	4	-4.000+1	0.000+0	kPa	2.236-1 5.590-1
2353	DP 103	DPE011-HLA	HLA Spool Piece	G000	4	-1.000+1	1.000+1	kPa	6.410-2 3.205-1
2354	DP 104	DPE071-CLA	CLA Spool Piece	G000	4	-1.000+1	1.000+1	kPa	6.410-2 3.205-1
2355	DP 105	DPE151-HLB	HLB Spool Piece	G000	4	-1.000+1	1.000+1	kPa	6.410-2 3.205-1
2356	DP 106	DPE211-CLB	CLB Spool Piece	G000	4	-1.000+1	1.000+1	kPa	6.410-2 3.205-1
2357	DP 107	DPE571-BU	BU No.1 Spool Piece	BAD	4	0.000+0	2.000+2	kPa	1.118+0 5.590-1
2358	DP 108	DPE591-BU	BU No.2 Spool Piece	BAD	4	-1.000+2	1.000+2	kPa	1.118+0 5.590-1
2359	DP 109	DPE041-PR	PR Diff. Press.	G000	4	0.000+0	6.118+0	kPa	1.958-2 3.200-1
2360	DP 110	DPE042-PR	PR Diff. Press.	G000	4	0.000+0	7.340+0	kPa	2.349-2 3.200-1
2361	DP 111	DPE043-PR	PR Diff. Press.	G000	4	0.000+0	3.670+0	kPa	1.174-2 3.200-1

Table 2.2 (Continued)

ADR DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 23			
ICF REV DATE 92-10-05				LCV XXX		REV YYY		OGV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)
2362	DP 112	DPE044-PR	PR Diff. Press.	GOOD	4	0.000+0	3.670+0	kPa	1.174-2 3.200-1
2363	DP 113	DPE045-PR	PR Diff. Press.	GOOD	4	0.000+0	1.101+1	kPa	3.524-2 3.200-1
2364	DP 114	DPE046-PR	PR Diff. Press.	GOOD	4	0.000+0	7.342+0	kPa	2.349-2 3.200-1
2365	DP 115	DPE101-PR	PR-CLA Diff. Press.	GOOD	4	-2.000+2	2.000+2	kPa	1.280+0 3.200-1
2366	DP 116	DPE055A-SGA	SGA I.P.-O.P. (High)	GOOD	4	-3.000+1	3.000+1	kPa	1.920-1 3.200-1
2367	DP 117	DPE055B-SGA	SGA I.P.-O.P. (Low)	GOOD	4	-3.000+1	3.000+0	kPa	1.920-2 3.200-1
2368	DP 118	DPE195A-SGB	SGB I.P.-O.P. (High)	GOOD	4	-3.000+1	3.000+1	kPa	1.920-1 3.200-1
2369	DP 119	DPE195B-SGB	SGB I.P.-O.P. (Low)	GOOD	4	-3.000+0	3.000+0	kPa	1.920-2 3.200-1
2370	DP 120	DPE056-SGA	SGA Plenum Diff. Press.	GOOD	4	-4.000+1	4.000+1	kPa	2.560-1 3.200-1
2371	DP 121	DPE057-SGA	Primary-Secondary	UNUSED	4	-1.000+0	1.000+0	MPa	6.400-3 3.200-1
2372	DP 122	DPE196-SGB	SGB Plenum Diff. Press.	GOOD	4	-4.000+1	4.000+1	kPa	2.560-1 3.200-1
2373	DP 123	DPE197-SGB	Test Tube Up-Downstream	UNUSED	4	-1.000+0	1.000+0	MPa	6.400-3 3.200-1
2374	DP 124	DPE301-PV	Core(Elevation+35+409)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2375	DP 125	DPE302-PV	Core(Elevation+409+815)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2376	DP 126	DPE303-PV	Core(Elevation+815+1221)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2377	DP 127	DPE304-PV	Core(Elevation+1221+1627)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2378	DP 128	DPE305-PV	Core(Elevation+1627+2033)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2379	DP 129	DPE306-PV	Core(Elevation+2033+2439)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2380	DP 130	DPE307-PV	Core(Elevation+2439+2845)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2381	DP 131	DPE308-PV	Core(Elevation+2845+3251)	GOOD	2	-5.000+0	5.000+0	kPa	2.830-2 2.830-1
2382	DP 132	DPE309-PV	Core(Elevation+3251+3945)	GOOD	2	-3.000+1	0.000+0	kPa	8.480-2 2.830-1
2383	DP 133	DPE333-PV	Upper H(Elevation+6634+8860)	GOOD	2	-3.500+1	0.000+0	kPa	9.905-2 2.830-1
2384	DP 134	DPE595-BU	Spool Piece	FOR PROCESS NOT INCLUDED.					
2385	DP 135	DPE047-PR	ACH-PR Balance Line	GOOD	4	-1.000+2	1.500+2	kPa	7.075-1 2.830-1
2386	DP 136	DPE048-ACH	ACH-CLB Balance Line	GOOD	4	-2.000+1	1.400+2	kPa	4.528-1 2.830-1
2387	DP 137	DPE077-CLA	ACH-Downcomer	GOOD	4	-2.000+1	6.000+1	kPa	2.264-1 2.830-1
2451	NF 1	NFE011A-HLA	HLA Spool Piece Top	SEE RC 1	4			V	
2452	NF 2	NFE011B-HLA	HLA Spool Piece Side	SEE RC 2	4			V	
2453	NF 3	NFE011C-HLA	HLA Spool Piece Bottom	SEE RC 3	4			V	
2454	NF 4	NFE051A-LSA	LSA Spool Piece East	SEE RC 4	4			V	
2455	NF 5	NFE051B-LSA	LSA Spool Piece South	SEE RC 5	4			V	
2456	NF 6	NFE051C-LSA	LSA Spool Piece West	SEE RC 6	4			V	
2457	NF 7	NFE071A-CLA	CLA Spool Piece Top	SEE RC 7	4			V	
2458	NF 8	NFE071B-CLA	CLA Spool Piece Side	SEE RC 8	4			V	
2459	NF 9	NFE071C-CLA	CLA Spool Piece Bottom	SEE RC 9	4			V	
2460	NF 10	NFE151A-HLB	HLB Spool Piece Top	SEE RC 10	4			V	
2461	NF 11	NFE151B-HLB	HLB Spool Piece Side	SEE RC 11	4			V	
2462	NF 12	NFE151C-HLB	HLB Spool Piece Bottom	SEE RC 12	4			V	
2463	NF 13	NFE191A-LSB	LSB Spool Piece West	SEE RC 13	4			V	
2464	NF 14	NFE191B-LSB	LSB Spool Piece North	SEE RC 14	4			V	
2465	NF 15	NFE191C-LSB	LSB Spool Piece East	SEE RC 15	4			V	
2466	NF 16	NFE211A-CLB	CLB Spool Piece Top	SEE RC 16	4			V	
2467	NF 17	NFE211B-CLB	CLB Spool Piece Side	SEE RC 17	4			V	
2468	NF 18	NFE211C-CLB	CLB Spool Piece Bottom	SEE RC 18	4			V	
2469	NF 19	NFE291A-PR	PR Relief Valve Line(High)	SEE RC 82	4			V	
2470	NF 20	NFE291B-PR	PR Relief Valve Line(Low)	SEE RC 83	4			V	
2471	NF 21	NFE021-HLA	SGA Inlet	SEE RC 19	4			V	
2472	NF 22	NFE051D-LSA	LSA Spool Piece North(Low)	SEE RC 20	4			V	
2473	NF 23	NFE161-HLB	SGB Inlet	SEE RC 21	4			V	
2474	NF 24	NFE191D-LSB	LSB Spool Piece South(Low)	SEE RC 22	4			V	
2475	NF 25	NFE-N-006-DC	PV Downcomer DTT North	UNUSED	4			V	
2476	NF 26	NFE-S-006-DC	PV Downcomer DTT South	UNUSED	4			V	
2477	NF 27	NFE-E-006-DC	PV Downcomer DTT East	UNUSED	4			V	
2478	NF 28	NFE-W-006-DC	PV Downcomer DTT West	UNUSED	4			V	
2479	NF 29	NFE301B-PR	PR Safety Valve Line(Low)	SEE RC 84	4			V	
2480	NF 30	NFE161-HLB	SGB Inlet	UNUSED	4			V	
2481	NF 31	NFE571A-BU	BU No.1 S.P. (High)	QUESTIONABLE	4			V	
2482	NF 32	NFE571B-BU	BU No.1 S.P. (Low)	QUESTIONABLE	4			V	
2483	NF 33	NFE591A-BU	BU No.2 S.P. (High)	SEE RC 86	4			V	
2484	NF 34	NFE591B-BU	BU No.2 S.P. (Low)	SEE RC 87	4			V	
2485	NF 35	NFE061A-LSA	LSA Spool Piece	SEE RC 76	4			V	
2486	NF 36	NFE061B-LSA	LSA Spool Piece	SEE RC 77	4			V	
2487	NF 37	NFE201A-LSB	LSB Spool Piece	SEE RC 78	4			V	
2488	NF 38	NFE201B-LSB	LSB Spool Piece	SEE RC 79	4			V	
2489	NF 39	NFE301A-PR	PR Safety Valve Line (High)	SEE RC 85	4			V	
2490	NF 40	NFT211A-CLB	CLB S.P. Top	UNUSED	4			V	
2491	NF 41	NFT211B-CLB	CLB S.P. Side	UNUSED	4			V	
2492	NF 42	NFT211C-CLB	CLB S.P. Bottom	UNUSED	4			V	
2493	NF 43	NFE311A-PR	PV-PR Vent Line S.P. Top	SEE RC 80	4			V	
2494	NF 44	NFE311B-PR	PV-PR Vent Line Bottom	SEE RC 81	4			V	
2495	NF 45	NFT011A-HLA	HLA S.P. Top	UNUSED	4			V	
2496	NF 46	NFT011B-HLA	HLA S.P. Side	UNUSED	4			V	
2497	NF 47	NFT011C-HLA	HLA S.P. Bottom	UNUSED	4			V	
2498	NF 48	NFT021-HLA	SGA Inlet	UNUSED	4			V	
2499	NF 49	NFT051A-LSA	LSA Line North	UNUSED	4			V	
2500	NF 50	NFT051B-LSA	LSA Line South	UNUSED	4			V	
2501	NF 51	NFT051C-LSA	LSA Line East	UNUSED	4			V	
2502	NF 52	NFT051D-LSA	SGA Outlet	UNUSED	4			V	
2503	NF 53	NFT071A-CLA	CLA S.P. TOP	UNUSED	4			V	
2504	NF 54	NFT071B-CLA	CLA S.P. Side	UNUSED	4			V	
2505	NF 55	NFT071C-CLA	CLA S.P. Bottom	UNUSED	4			V	
2506	NF 56	NFT151A-HLB	HLB S.P. Top	UNUSED	4			V	
2507	NF 57	NFT151B-HLB	HLB S.P. Side	UNUSED	4			V	
2508	NF 58	NFT151C-HLB	HLB S.P. Bottom	UNUSED	4			V	
2509	NF 59	NFT191A-LSB	LSB Line North	UNUSED	4			V	

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)			EXP. DATE 92-09-17 PAGE 24					
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DOV SCR		RUN DATE 93-12-03		
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS		UNIT	UNCERTAINTY	
							LO	HI		ABS.	REL.(%)
2510	MF 60	NFT191B-LSB	LSB Line South	UNUSED		4			V		
2511	MF 61	NFT191C-LSB	LSB Line East	UNUSED		4			V		
2512	MF 62	NFT191D-LSB	SGB Outlet	UNUSED		4			V		
2531	DE 1	DE011A-HLA	HLA S.P. Beam A	SEE	RC 31	4			V		
2532	DE 2	DE011B-HLA	HLA S.P. Beam B	SEE	RC 32	4			V		
2533	DE 3	DE011C-HLA	HLA S.P. Beam C	SEE	RC 33	4			V		
2534	DE 4	DE051A-LSA	LSA S.P. Beam A	SEE	RC 56	4			V		
2535	DE 5	DE051B-LSA	LSA S.P. Beam B	SEE	RC 57	4			V		
2536	DE 6	DE051C-LSA	LSA S.P. Beam C	SEE	RC 58	4			V		
2537	DE 7	DE071A-CLA	CLA S.P. Beam A	SEE	RC 37	4			V		
2538	DE 8	DE071B-CLA	CLA S.P. Beam B	SEE	RC 38	4			V		
2539	DE 9	DE071C-CLA	CLA S.P. Beam C	SEE	RC 39	4			V		
2540	DE 10	DE151A-HLB	HLB S.P. Beam A	SEE	RC 34	4			V		
2541	DE 11	DE151B-HLB	HLB S.P. Beam B	SEE	RC 35	4			V		
2542	DE 12	DE151C-HLB	HLB S.P. Beam C	SEE	RC 36	4			V		
2543	DE 13	DE191A-LSB	LSB S.P. Beam A	SEE	RC 59	4			V		
2544	DE 14	DE191B-LSB	LSB S.P. Beam B	SEE	RC 60	4			V		
2545	DE 15	DE191C-LSB	LSB S.P. Beam C	SEE	RC 61	4			V		
2546	DE 16	DE211A-CLB	CLB S.P. Beam A	SEE	RC 40	4			V		
2547	DE 17	DE211B-CLB	CLB S.P. Beam B	SEE	RC 41	4			V		
2548	DE 18	DE211C-CLB	CLB S.P. Beam C	SEE	RC 42	4			V		
2549	DE 19	DE052-LSA	LSA Bottom	SEE	RC 62	4			V		
2550	DE 20	DE192-LSB	PCB Suction	SEE	RC 63	4			V		
2551	DE 21	DE261-PR	PR Surge Line	SEE	RC 64	4			V		
2552	DE 22	DE291-PR	PR Relief Valve Line	SEE	RC 65	4			V		
2553	DE 23	DE301-PR	PR Safety Valve Line	SEE	RC 66	4			V		
2554	DE 24	DE311-PR	PV-PR Vent Line	SEE	RC 67	4			V		
2555	DE 25	DE431-SGA	SGA Downcomer	SEE	RC 68	4			V		
2556	DE 26	DE471-SGB	SGB Downcomer	SEE	RC 69	4			V		
2557	DE 27	DE451A-SGA	SGA Safety S.P. Upper Beam	UNUSED		4			V		
2558	DE 28	DE451B-SGA	SGA Safety S.P. Center Beam	UNUSED		4			V		
2559	DE 29	DE451C-SGA	SGA Safety S.P. Bottom Beam	SEE	RC 72	4			V		
2560	DE 30	DE571A-BU	BU S.P. Beam A	GOOD	FDR COLD LEG BREAK.	4			V		
2561	DE 31	DE571B-BU	BU S.P. Beam B	GOOD	FDR COLD LEG BREAK.	4			V		
2562	DE 32	DE571C-BU	BU S.P. Beam C	GOOD	FDR COLD LEG BREAK.	4			V		
2563	DE 33	DE591A-BU	BU S.P. Beam A	SEE	RC 73 FOR ADS.	4			V		
2564	DE 34	DE591B-BU	BU S.P. Beam B	SEE	RC 74 FOR ADS.	4			V		
2565	DE 35	DE591C-BU	BU S.P. Beam C	SEE	RC 75 FOR ADS.	4			V		
2611	CP 1	CPE-E-012C-DC	Downcomer E.L.-1.2m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2612	CP 2	CPE-E-006C-DC	Downcomer E.L.-0.6m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2613	CP 3	CPE-E000C-DC	Downcomer E.L.0.0m,East	UNQUALIFIED		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2614	CP 4	CPE-E006C-DC	Downcomer E.L.0.6m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2615	CP 5	CPE-E012C-DC	Downcomer E.L.1.2m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2616	CP 6	CPE-E018C-DC	Downcomer E.L.1.8m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2617	CP 7	CPE-E024C-DC	Downcomer E.L.2.4m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2618	CP 8	CPE-E031C-DC	Downcomer E.L.3.1m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2619	CP 9	CPE-E037C-DC	Downcomer E.L.3.7m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2620	CP 10	CPE-E043C-DC	Downcomer E.L.4.3m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2621	CP 11	CPE-E049C-DC	Downcomer E.L.4.9m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2622	CP 12	CPE-E055C-DC	Downcomer E.L.5.5m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2623	CP 13	CPE-E061C-DC	Downcomer E.L.6.1m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2624	CP 14	CPE-E067C-DC	Downcomer E.L.6.7m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2625	CP 15	CPE-E066F-UH	Upper Head E.L.6.6m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2626	CP 16	CPE-W066F-UH	Upper Head E.L.6.6m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2627	CP 17	CPE-E069F-UH	Upper Head E.L.6.9m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2628	CP 18	CPE-W069F-UH	Upper Head E.L.6.9m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2629	CP 19	CPE-E072F-UH	Upper Head E.L.7.2m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2630	CP 20	CPE-W072F-UH	Upper Head E.L.7.2m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2631	CP 21	CPE-E075F-UH	Upper Head E.L.7.5m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2632	CP 22	CPE-W075F-UH	Upper Head E.L.7.5m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2633	CP 23	CPE-E078F-UH	Upper Head E.L.7.8m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2634	CP 24	CPE-W078F-UH	Upper Head E.L.7.8m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2635	CP 25	CPE-E081F-UH	Upper Head E.L.8.1m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2636	CP 26	CPE-W081F-UH	Upper Head E.L.8.1m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2637	CP 27	CPE-E066H-GT	Guide Tube E.L.6.6m,East	GOOD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2638	CP 28	CPE-W066H-GT	Guide Tube E.L.6.6m,West	GOOD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2639	CP 29	CPE-E072H-GT	Guide Tube E.L.7.2m,East	GOOD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2640	CP 30	CPE-W072H-GT	Guide Tube E.L.7.2m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2641	CP 31	CPE-E078H-GT	Guide Tube E.L.7.8m,East	GOOD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2642	CP 32	CPE-W078H-GT	Guide Tube E.L.7.8m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2643	CP 33	CPE-E043H-GT	Guide Tube E.L.4.3m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2644	CP 34	CPE-W043H-GT	Guide Tube E.L.4.3m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2645	CP 35	CPE-E044H-GT	Guide Tube E.L.4.4m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2646	CP 36	CPE-W044H-GT	Guide Tube E.L.4.4m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2647	CP 37	CPE-E048H-GT	Guide Tube E.L.4.8m,East	UNQUALIFIED		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2648	CP 38	CPE-W048H-GT	Guide Tube E.L.4.8m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2649	CP 39	CPE-E054H-GT	Guide Tube E.L.5.4m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2650	CP 40	CPE-W054H-GT	Guide Tube E.L.5.4m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2651	CP 41	CPE-E060H-GT	Guide Tube E.L.6.0m,East	GOOD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2652	CP 42	CPE-W060H-GT	Guide Tube E.L.6.0m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2653	CP 43	CPE-E042-UP	Upper Plenum E.L.4.2m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2654	CP 44	CPE-W042-UP	Upper Plenum E.L.4.2m,West	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2655	CP 45	CPE-E043-UP	Upper Plenum E.L.4.3m,East	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2656	CP 46	CPE-W043-UP	Upper Plenum E.L.4.3m,West	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2657	CP 47	CPE-E044-UP	Upper Plenum E.L.4.4m,East	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1

Table 2.2 (Continued)

A00 DATA QUALITY RECORD (DQR)			LST EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 25					
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DQV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY	GROUP NO	SPAN LD	LIMITS HI	UNIT	UNCERTAINTY ABS.	REL.(%)
2658	CP 48	CPE-V044-UP	Upper Plenum E.L.4.4m,West	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2659	CP 49	CPE-E048-UP	Upper Plenum E.L.4.8m,East	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2660	CP 50	CPE-V048-UP	Upper Plenum E.L.4.8m,West	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2661	CP 51	CPE-E051-UP	Upper Plenum E.L.5.1m,East	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2662	CP 52	CPE-V051-UP	Upper Plenum E.L.5.1m,West	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2663	CP 53	CPE-E054-UP	Upper Plenum E.L.5.4m,East	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2664	CP 54	CPE-V054-UP	Upper Plenum E.L.5.4m,West	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2665	CP 55	CPE-E057-UP	Upper Plenum E.L.5.7m,East	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2666	CP 56	CPE-V057-UP	Upper Plenum E.L.5.7m,West	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2667	CP 57	CPE-E060-UP	Upper Plenum E.L.6.0m,East	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2668	CP 58	CPE-V060-UP	Upper Plenum E.L.6.0m,West	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2669	CP 59	CPE-C-021-LP	Lower Plenum E.L.-2.1m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2670	CP 60	CPE-C-018-LP	Lower Plenum E.L.-1.8m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2671	CP 61	CPE-C-015-LP	Lower Plenum E.L.-1.5m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2672	CP 62	CPE-C-012-LP	Lower Plenum E.L.-1.2m	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2673	CP 63	CPE-C-009-LP	Lower Plenum E.L.-0.9m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2674	CP 64	CPE-C-006-LP	Lower Plenum E.L.-0.6m	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2675	CP 65	CPE-C-005-LP	Lower Plenum E.L.-0.5m	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2676	CP 66	CPE-C-003-LP	Lower Plenum E.L.-0.3m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2677	CP 67	CPE-C-002-LP	Lower Plenum E.L.-0.2m	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2687	CP 77	CPE-B15661	B15 Rod(6,6) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2688	CP 78	CPE-B15662	B15 Rod(6,6) Pos.2	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2689	CP 79	CPE-B15663	B15 Rod(6,6) Pos.3	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2690	CP 80	CPE-B15664	B15 Rod(6,6) Pos.4	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2691	CP 81	CPE-B15665	B15 Rod(6,6) Pos.5	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2692	CP 82	CPE-B15666	B15 Rod(6,6) Pos.6	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2693	CP 83	CPE-B15667	B15 Rod(6,6) Pos.7	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2694	CP 84	CPE-B15668	B15 Rod(6,6) Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2695	CP 85	CPE-B15669	B15 Rod(6,6) Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2705	CP 95	CPE-B20621	B20 Rod(6,2) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2706	CP 96	CPE-B20622	B20 Rod(6,2) Pos.2	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2707	CP 97	CPE-B20623	B20 Rod(6,2) Pos.3	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2708	CP 98	CPE-B20624	B20 Rod(6,2) Pos.4	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2709	CP 99	CPE-B20625	B20 Rod(6,2) Pos.5	UNQUALIFIED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2710	CP 100	CPE-B20626	B20 Rod(6,2) Pos.6	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2711	CP 101	CPE-B20627	B20 Rod(6,2) Pos.7	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2712	CP 102	CPE-B20628	B20 Rod(6,2) Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2713	CP 103	CPE-B20629	B20 Rod(6,2) Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2714	CP 104	CPE-B22621	B22 Rod(6,2) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2715	CP 105	CPE-B22622	B22 Rod(6,2) Pos.2	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2716	CP 106	CPE-B22623	B22 Rod(6,2) Pos.3	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2717	CP 107	CPE-B22624	B22 Rod(6,2) Pos.4	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2718	CP 108	CPE-B22625	B22 Rod(6,2) Pos.5	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2719	CP 109	CPE-B22626	B22 Rod(6,2) Pos.6	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2720	CP 110	CPE-B22627	B22 Rod(6,2) Pos.7	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2721	CP 111	CPE-B22628	B22 Rod(6,2) Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2722	CP 112	CPE-B22629	B22 Rod(6,2) Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2723	CP 113	CPE-211-PR	Pressurizer Pos.10	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2724	CP 114	CPE-207-PR	Pressurizer Pos.9	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2725	CP 115	CPE-204-PR	Pressurizer Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2726	CP 116	CPE-200-PR	Pressurizer Pos.7	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2727	CP 117	CPE-196-PR	Pressurizer Pos.6	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2728	CP 118	CPE-192-PR	Pressurizer Pos.5	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2729	CP 119	CPE-189-PR	Pressurizer Pos.4	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2730	CP 120	CPE-185-PR	Pressurizer Pos.3	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2731	CP 121	CPE-181-PR	Pressurizer Pos.2	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2732	CP 122	CPE-177-PR	Pressurizer Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2733	CP 123	CPE-086C-SGA	SGA Boiling Section Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2734	CP 124	CPE-099C-SGA	SGA Boiling Section Pos.3	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2735	CP 125	CPE-112C-SGA	SGA Boiling Section Pos.5	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2736	CP 126	CPE-125C-SGA	SGA Boiling Section Pos.6	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2737	CP 127	CPE-137C-SGA	SGA Boiling Section Pos.7	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2738	CP 128	CPE-150C-SGA	SGA Boiling Section Pos.8	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2739	CP 129	CPE-163C-SGA	SGA Boiling Section Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2740	CP 130	CPE-178C-SGA	SGA Boiling Section Pos.11	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2741	CP 131	CPE-192F-SGA	SGA Boiling Section Pos.12	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2742	CP 132	CPE-208F-SGA	Separator Pos.13	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2743	CP 133	CPE-192C-SGA	Downcomer Pos.12	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2744	CP 134	CPE-208C-SGA	Downcomer Pos.13	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2745	CP 135	CPE-223C-SGA	Dryer Pos.14	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2746	CP 136	CPE-245C-SGA	Steam Dome Pos.15	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2747	CP 137	CPE-IN0861-SGA	SGA U-Tube(1,IN) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2748	CP 138	CPE-EX0861-SGA	SGA U-Tube(1,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2749	CP 139	CPE-IN0862-SGA	SGA U-Tube(2,IN) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2750	CP 140	CPE-EX0862-SGA	SGA U-Tube(2,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2751	CP 141	CPE-IN0863-SGA	SGA U-Tube(3,IN) Pos.1	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2752	CP 142	CPE-EX0863-SGA	SGA U-Tube(3,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2753	CP 143	CPE-IN0864-SGA	SGA U-Tube(4,IN) Pos.1	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2754	CP 144	CPE-EX0864-SGA	SGA U-Tube(4,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2755	CP 145	CPE-IN0865-SGA	SGA U-Tube(5,IN) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2756	CP 146	CPE-EX0865-SGA	SGA U-Tube(5,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2757	CP 147	CPE-IN0866-SGA	SGA U-Tube(6,IN) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2758	CP 148	CPE-EX0866-SGA	SGA U-Tube(6,EX) Pos.1	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2759	CP 149	CPE-IN0931-SGA	SGA U-Tube(1,IN) Pos.2	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2760	CP 150	CPE-IN0932-SGA	SGA U-Tube(2,IN) Pos.2	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 26			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR	
								RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI	UNIT	UNCERTAINTY ABS. REL.(%)
2761	CP 151	CPE-IN0933-SGA	SGA U-Tube(3,1N) Pos.2	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2762	CP 152	CPE-IN0934-SGA	SGA U-Tube(4,1N) Pos.2	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2763	CP 153	CPE-IN0935-SGA	SGA U-Tube(5,1N) Pos.2	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2764	CP 154	CPE-IN0936-SGA	SGA U-Tube(6,1N) Pos.2	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2765	CP 155	CPE-IN0991-SGA	SGA U-Tube(1,1N) Pos.3	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2766	CP 156	CPE-EX0991-SGA	SGA U-Tube(1,EX) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2767	CP 157	CPE-IN0992-SGA	SGA U-Tube(2,1N) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2768	CP 158	CPE-EX0992-SGA	SGA U-Tube(2,EX) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2769	CP 159	CPE-IN0993-SGA	SGA U-Tube(3,1N) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2770	CP 160	CPE-EX0993-SGA	SGA U-Tube(3,EX) Pos.3	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2771	CP 161	CPE-IN0994-SGA	SGA U-Tube(4,1N) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2772	CP 162	CPE-EX0994-SGA	SGA U-Tube(4,EX) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2773	CP 163	CPE-IN0995-SGA	SGA U-Tube(5,1N) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2774	CP 164	CPE-EX0995-SGA	SGA U-Tube(5,EX) Pos.3	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2775	CP 165	CPE-IN0996-SGA	SGA U-Tube(6,1N) Pos.3	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2776	CP 166	CPE-EX0996-SGA	SGA U-Tube(6,EX) Pos.3	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2777	CP 167	CPE-IN1051-SGA	SGA U-Tube(1,1N) Pos.4	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2778	CP 168	CPE-IN1052-SGA	SGA U-Tube(2,1N) Pos.4	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2779	CP 169	CPE-IN1053-SGA	SGA U-Tube(3,1N) Pos.4	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2780	CP 170	CPE-IN1054-SGA	SGA U-Tube(4,1N) Pos.4	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2781	CP 171	CPE-IN1055-SGA	SGA U-Tube(5,1N) Pos.4	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2782	CP 172	CPE-IN1056-SGA	SGA U-Tube(6,1N) Pos.4	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2783	CP 173	CPE-IN1121-SGA	SGA U-Tube(1,1N) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2784	CP 174	CPE-EX1121-SGA	SGA U-Tube(1,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2785	CP 175	CPE-IN1122-SGA	SGA U-Tube(2,1N) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2786	CP 176	CPE-EX1122-SGA	SGA U-Tube(2,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2787	CP 177	CPE-IN1123-SGA	SGA U-Tube(3,1N) Pos.5	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2788	CP 178	CPE-EX1123-SGA	SGA U-Tube(3,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2789	CP 179	CPE-IN1124-SGA	SGA U-Tube(4,1N) Pos.5	QUESTIONABLE		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2790	CP 180	CPE-EX1124-SGA	SGA U-Tube(4,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2791	CP 181	CPE-IN1125-SGA	SGA U-Tube(5,1N) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2792	CP 182	CPE-EX1125-SGA	SGA U-Tube(5,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2793	CP 183	CPE-IN1126-SGA	SGA U-Tube(6,1N) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2794	CP 184	CPE-EX1126-SGA	SGA U-Tube(6,EX) Pos.5	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2795	CP 185	CPE-IN1251-SGA	SGA U-Tube(1,1N) Pos.6	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2796	CP 186	CPE-EX1251-SGA	SGA U-Tube(1,EX) Pos.6	BAD		4	0.000+0 1.000+2	X	3.350-1 3.350-1
2797	CP 187	CPE-IN1252-SGA	SGA U-Tube(2,1N) Pos.6	QUESTIONABLE		3	0.000+0 1.000+2	X	3.350-1 3.350-1
2798	CP 188	CPE-EX1252-SGA	SGA U-Tube(2,EX) Pos.6	BAD		3	0.000+0 1.000+2	X	3.350-1 3.350-1
2799	CP 189	CPE-IN1253-SGA	SGA U-Tube(3,1N) Pos.6	BAD		3	0.000+0 1.000+2	X	3.350-1 3.350-1
2800	CP 190	CPE-EX1253-SGA	SGA U-Tube(3,EX) Pos.6	QUESTIONABLE		3	0.000+0 1.000+2	X	3.350-1 3.350-1
2801	CP 191	CPE-IN1254-SGA	SGA U-Tube(4,1N) Pos.6	BAD		3	0.000+0 1.000+2	X	3.350-1 3.350-1
2802	CP 192	CPE-EX1254-SGA	SGA U-Tube(4,EX) Pos.6	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2803	CP 193	CPE-IN1255-SGA	SGA U-Tube(5,1N) Pos.6	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2804	CP 194	CPE-EX1255-SGA	SGA U-Tube(5,EX) Pos.6	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2805	CP 195	CPE-IN1256-SGA	SGA U-Tube(6,1N) Pos.6	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2806	CP 196	CPE-EX1256-SGA	SGA U-Tube(6,EX) Pos.6	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2807	CP 197	CPE-IN1371-SGA	SGA U-Tube(1,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2808	CP 198	CPE-EX1371-SGA	SGA U-Tube(1,EX) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2809	CP 199	CPE-IN1372-SGA	SGA U-Tube(2,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2810	CP 200	CPE-EX1372-SGA	SGA U-Tube(2,EX) Pos.7	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2811	CP 201	CPE-IN1373-SGA	SGA U-Tube(3,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2812	CP 202	CPE-EX1373-SGA	SGA U-Tube(3,EX) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2813	CP 203	CPE-IN1374-SGA	SGA U-Tube(4,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2814	CP 204	CPE-EX1374-SGA	SGA U-Tube(4,EX) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2815	CP 205	CPE-IN1375-SGA	SGA U-Tube(5,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2816	CP 206	CPE-EX1375-SGA	SGA U-Tube(5,EX) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2817	CP 207	CPE-IN1376-SGA	SGA U-Tube(6,1N) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2818	CP 208	CPE-EX1376-SGA	SGA U-Tube(6,EX) Pos.7	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2819	CP 209	CPE-IN1501-SGA	SGA U-Tube(1,1N) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2820	CP 210	CPE-EX1501-SGA	SGA U-Tube(1,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2821	CP 211	CPE-IN1502-SGA	SGA U-Tube(2,1N) Pos.8	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2822	CP 212	CPE-EX1502-SGA	SGA U-Tube(2,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2823	CP 213	CPE-IN1503-SGA	SGA U-Tube(3,1N) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2824	CP 214	CPE-EX1503-SGA	SGA U-Tube(3,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2825	CP 215	CPE-IN1504-SGA	SGA U-Tube(4,1N) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2826	CP 216	CPE-EX1504-SGA	SGA U-Tube(4,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2827	CP 217	CPE-IN1505-SGA	SGA U-Tube(5,1N) Pos.8	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2828	CP 218	CPE-EX1505-SGA	SGA U-Tube(5,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2829	CP 219	CPE-IN1506-SGA	SGA U-Tube(6,1N) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2830	CP 220	CPE-EX1506-SGA	SGA U-Tube(6,EX) Pos.8	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2831	CP 221	CPE-IN1632-SGA	SGA U-Tube(2,1N) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2832	CP 222	CPE-EX1632-SGA	SGA U-Tube(2,EX) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2833	CP 223	CPE-IN1633-SGA	SGA U-Tube(3,1N) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2834	CP 224	CPE-EX1633-SGA	SGA U-Tube(3,EX) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2835	CP 225	CPE-IN1634-SGA	SGA U-Tube(4,1N) Pos.9	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2836	CP 226	CPE-EX1634-SGA	SGA U-Tube(4,EX) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2837	CP 227	CPE-IN1635-SGA	SGA U-Tube(5,1N) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2838	CP 228	CPE-EX1635-SGA	SGA U-Tube(5,EX) Pos.9	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2839	CP 229	CPE-IN1701-SGA	SGA U-Tube(1,1N) Pos.10	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2840	CP 230	CPE-EX1706-SGA	SGA U-Tube(6,1N) Pos.10	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2841	CP 231	CPE-IN1782-SGA	SGA U-Tube(2,1N) Pos.10	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2842	CP 232	CPE-IN1785-SGA	SGA U-Tube(5,1N) Pos.10	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2843	CP 233	CPE-IN1863-SGA	SGA U-Tube(3,1N) Pos.11	QUESTIONABLE		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2844	CP 234	CPE-IN1864-SGA	SGA U-Tube(4,1N) Pos.11	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1
2845	CP 235	CPE-086C-SGB	SGB Boiling Section Pos.1	BAD		3	0.000+0 1.000+2	X	3.000-1 3.000-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 27					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LIMITS LO HI		UNIT	UNCERTAINTY ABS. REL.(%)	
2846	CP 236	CPE-099C-SGB	SGR Boiling Section Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2847	CP 237	CPE-112C-SGB	SGR Boiling Section Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2848	CP 238	CPE-125C-SGB	SGR Boiling Section Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2849	CP 239	CPE-137C-SGB	SGR Boiling Section Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2850	CP 240	CPE-150C-SGB	SGR Boiling Section Pos.8	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2851	CP 241	CPE-163C-SGB	SGR Boiling Section Pos.9	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2852	CP 242	CPE-178C-SGB	SGR Boiling Section Pos.11	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2853	CP 243	CPE-192F-SGB	SGR Boiling Section Pos.12	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2854	CP 244	CPE-208F-SGB	SGR Separator Pos.13	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2855	CP 245	CPE-192C-SGB	SGR Downcomer Pos.12	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2856	CP 246	CPE-208C-SGB	SGR Downcomer Pos.13	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2857	CP 247	CPE-223C-SGB	SGR Dryer Pos.14	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2858	CP 248	CPE-245C-SGB	SGR Steam Dome Pos.15	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2859	CP 249	CPE-1N0861-SGB	SGR U-Tube(1,1N) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2860	CP 250	CPE-EX0861-SGB	SGR U-Tube(1,EX) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2861	CP 251	CPE-1N0862-SGB	SGR U-Tube(2,1N) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2862	CP 252	CPE-EX0862-SGB	SGR U-Tube(2,EX) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2863	CP 253	CPE-1N0863-SGB	SGR U-Tube(3,1N) Pos.1	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2864	CP 254	CPE-EX0863-SGB	SGR U-Tube(3,EX) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2865	CP 255	CPE-1N0864-SGB	SGR U-Tube(4,1N) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2866	CP 256	CPE-EX0864-SGB	SGR U-Tube(4,EX) Pos.1	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2867	CP 257	CPE-1N0865-SGB	SGR U-Tube(5,1N) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2868	CP 258	CPE-EX0865-SGB	SGR U-Tube(5,EX) Pos.1	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2869	CP 259	CPE-1N0866-SGB	SGR U-Tube(6,1N) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2870	CP 260	CPE-EX0866-SGB	SGR U-Tube(6,EX) Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2871	CP 261	CPE-1N0931-SGB	SGR U-Tube(1,1N) Pos.2	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2872	CP 262	CPE-1N0932-SGB	SGR U-Tube(2,1N) Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2873	CP 263	CPE-1N0933-SGB	SGR U-Tube(3,1N) Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2874	CP 264	CPE-1N0934-SGB	SGR U-Tube(4,1N) Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2875	CP 265	CPE-1N0935-SGB	SGR U-Tube(5,1N) Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2876	CP 266	CPE-1N0936-SGB	SGR U-Tube(6,1N) Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2877	CP 267	CPE-1N0991-SGB	SGR U-Tube(1,1N) Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2878	CP 268	CPE-EX0991-SGB	SGR U-Tube(1,EX) Pos.3	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2879	CP 269	CPE-1N0992-SGB	SGR U-Tube(2,1N) Pos.3	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2880	CP 270	CPE-EX0992-SGB	SGR U-Tube(2,EX) Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2881	CP 271	CPE-1N0993-SGB	SGR U-Tube(3,1N) Pos.3	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2882	CP 272	CPE-EX0993-SGB	SGR U-Tube(3,EX) Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2883	CP 273	CPE-1N0994-SGB	SGR U-Tube(4,1N) Pos.3	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2884	CP 274	CPE-EX0994-SGB	SGR U-Tube(4,EX) Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2885	CP 275	CPE-1N0995-SGB	SGR U-Tube(5,1N) Pos.3	BAD		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2886	CP 276	CPE-EX0995-SGB	SGR U-Tube(5,EX) Pos.3	BAD		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2887	CP 277	CPE-1N0996-SGB	SGR U-Tube(6,1N) Pos.3	BAD		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2888	CP 278	CPE-EX0996-SGB	SGR U-Tube(6,EX) Pos.3	BAD		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2889	CP 279	CPE-1N1051-SGB	SGR U-Tube(1,1N) Pos.4	QUESTIONABLE		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2890	CP 280	CPE-1N1052-SGB	SGR U-Tube(2,1N) Pos.4	BAD		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2891	CP 281	CPE-1N1053-SGB	SGR U-Tube(3,1N) Pos.4	QUESTIONABLE		4	0.000+0	1.000+2	X	3.000-1	3.000-1
2892	CP 282	CPE-1N1054-SGB	SGR U-Tube(4,1N) Pos.4	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2893	CP 283	CPE-1N1055-SGB	SGR U-Tube(5,1N) Pos.4	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2894	CP 284	CPE-1N1056-SGB	SGR U-Tube(6,1N) Pos.4	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2895	CP 285	CPE-1N1121-SGB	SGR U-Tube(1,1N) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2896	CP 286	CPE-EX1121-SGB	SGR U-Tube(1,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2897	CP 287	CPE-1N1122-SGB	SGR U-Tube(2,1N) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2898	CP 288	CPE-EX1122-SGB	SGR U-Tube(2,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2899	CP 289	CPE-1N1123-SGB	SGR U-Tube(3,1N) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2900	CP 290	CPE-EX1123-SGB	SGR U-Tube(3,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2901	CP 291	CPE-1N1124-SGB	SGR U-Tube(4,1N) Pos.5	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2902	CP 292	CPE-EX1124-SGB	SGR U-Tube(4,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2903	CP 293	CPE-1N1125-SGB	SGR U-Tube(5,1N) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2904	CP 294	CPE-EX1125-SGB	SGR U-Tube(5,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2905	CP 295	CPE-1N1126-SGB	SGR U-Tube(6,1N) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2906	CP 296	CPE-EX1126-SGB	SGR U-Tube(6,EX) Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2907	CP 297	CPE-1N1251-SGB	SGR U-Tube(1,1N) Pos.6	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2908	CP 298	CPE-EX1251-SGB	SGR U-Tube(1,EX) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2909	CP 299	CPE-1N1252-SGB	SGR U-Tube(2,1N) Pos.6	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2910	CP 300	CPE-EX1252-SGB	SGR U-Tube(2,EX) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2911	CP 301	CPE-1N1253-SGB	SGR U-Tube(3,1N) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2912	CP 302	CPE-EX1253-SGB	SGR U-Tube(3,EX) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2913	CP 303	CPE-1N1254-SGB	SGR U-Tube(4,1N) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2914	CP 304	CPE-EX1254-SGB	SGR U-Tube(4,EX) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2915	CP 305	CPE-1N1255-SGB	SGR U-Tube(5,1N) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2916	CP 306	CPE-EX1255-SGB	SGR U-Tube(5,EX) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2917	CP 307	CPE-1N1256-SGB	SGR U-Tube(6,1N) Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2918	CP 308	CPE-EX1256-SGB	SGR U-Tube(6,EX) Pos.6	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2919	CP 309	CPE-1N1371-SGB	SGR U-Tube(1,1N) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2920	CP 310	CPE-EX1371-SGB	SGR U-Tube(1,EX) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2921	CP 311	CPE-1N1372-SGB	SGR U-Tube(2,1N) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2922	CP 312	CPE-EX1372-SGB	SGR U-Tube(2,EX) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2923	CP 313	CPE-1N1373-SGB	SGR U-Tube(3,1N) Pos.7	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2924	CP 314	CPE-EX1373-SGB	SGR U-Tube(3,EX) Pos.7	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2925	CP 315	CPE-1N1374-SGB	SGR U-Tube(4,1N) Pos.7	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2926	CP 316	CPE-EX1374-SGB	SGR U-Tube(4,EX) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2927	CP 317	CPE-1N1375-SGB	SGR U-Tube(5,1N) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2928	CP 318	CPE-EX1375-SGB	SGR U-Tube(5,EX) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2929	CP 319	CPE-1N1376-SGB	SGR U-Tube(6,1N) Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
2930	CP 320	CPE-EX1376-SGB	SGR U-Tube(6,EX) Pos.7	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)			EXP. DATE 92-09-17 PAGE 28					
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DRV SCR		RUN DATE 93-12-03		
SEQ NO	FUNC ID.	TAG NAME	LOCATION		DATA QUALITY	GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)	
2931	CP 321	CPE-IN1501-SGB	SGR U-Tube(1,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2932	CP 322	CPE-EX1501-SGB	SGR U-Tube(1,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2933	CP 323	CPE-IN1502-SGB	SGR U-Tube(2,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2934	CP 324	CPE-EX1502-SGB	SGR U-Tube(2,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2935	CP 325	CPE-IN1503-SGB	SGR U-Tube(3,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2936	CP 326	CPE-EX1503-SGB	SGR U-Tube(3,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2937	CP 327	CPE-IN1504-SGB	SGR U-Tube(4,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2938	CP 328	CPE-EX1504-SGB	SGR U-Tube(4,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2939	CP 329	CPE-IN1505-SGB	SGR U-Tube(5,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2940	CP 330	CPE-EX1505-SGB	SGR U-Tube(5,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2941	CP 331	CPE-IN1506-SGB	SGR U-Tube(6,IN)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2942	CP 332	CPE-EX1506-SGB	SGR U-Tube(6,EX)	Pos.8	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2943	CP 333	CPE-IN1632-SGB	SGR U-Tube(2,IN)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2944	CP 334	CPE-EX1632-SGB	SGR U-Tube(2,EX)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2945	CP 335	CPE-IN1633-SGB	SGR U-Tube(3,IN)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2946	CP 336	CPE-EX1633-SGB	SGR U-Tube(3,EX)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2947	CP 337	CPE-IN1634-SGB	SGR U-Tube(4,IN)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2948	CP 338	CPE-EX1634-SGB	SGR U-Tube(4,EX)	Pos.9	QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2949	CP 339	CPE-IN1635-SGB	SGR U-Tube(5,IN)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2950	CP 340	CPE-EX1635-SGB	SGR U-Tube(5,EX)	Pos.9	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2951	CP 341	CPE-IN1701-SGB	SGR U-Tube(1,IN)	Pos.10	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2952	CP 342	CPE-IN1706-SGB	SGR U-Tube(6,IN)	Pos.10	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2953	CP 343	CPE-IN1782-SGB	SGR U-Tube(2,IN)	Pos.10	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2954	CP 344	CPE-IN1785-SGB	SGR U-Tube(5,IN)	Pos.10	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2955	CP 345	CPE-IN1863-SGB	SGR U-Tube(3,IN)	Pos.11	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2956	CP 346	CPE-IN1864-SGB	SGR U-Tube(4,IN)	Pos.11	BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2957	CP 347	CPE-D10A-HLA	HLA Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2958	CP 348	CPE-D10B-HLA	HLA Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2959	CP 349	CPE-D10C-HLA	HLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2960	CP 350	CPE-D10D-HLA	HLA Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2961	CP 351	CPE-D10E-HLA	HLA Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2962	CP 352	CPE-D40A-HLA	HLA SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2963	CP 353	CPE-D40B-HLA	HLA SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2964	CP 354	CPE-D40C-HLA	HLA SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2965	CP 355	CPE-D40D-HLA	HLA SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2966	CP 356	CPE-D40E-HLA	HLA SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2967	CP 357	CPE-D90A-CLA	CLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2968	CP 358	CPE-D90B-CLA	CLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2969	CP 359	CPE-D90C-CLA	CLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2970	CP 360	CPE-D90D-CLA	CLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2971	CP 361	CPE-D90E-CLA	CLA Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2972	CP 362	CPE-150A-HLB	HLB Vessel Side CPT		GOOD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2973	CP 363	CPE-150B-HLB	HLB Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2974	CP 364	CPE-150C-HLB	HLB Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2975	CP 365	CPE-150D-HLB	HLB Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2976	CP 366	CPE-150E-HLB	HLB Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2977	CP 367	CPE-180A-HLB	HLB SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2978	CP 368	CPE-180B-HLB	HLB SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2979	CP 369	CPE-180C-HLB	HLB SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2980	CP 370	CPE-180D-HLB	HLB SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2981	CP 371	CPE-180E-HLB	HLB SG Side CPT		UNUSED	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2982	CP 372	CPE-230A-CLB	CLB Vessel Side CPT		GOOD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2983	CP 373	CPE-230B-CLB	CLB Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2984	CP 374	CPE-230C-CLB	CLB Vessel Side CPT		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2985	CP 375	CPE-230D-CLB	CLB Vessel Side CPT		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2986	CP 376	CPE-230E-CLB	CLB Vessel Side CPT		GOOD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2987	CP 377	CPE-360-ST	Suppression Tank Inlet		BAD	3	0.000+0	1.000+2	X	3.000-1	3.000-1
2988	CP 378	CPE051A-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2989	CP 379	CPE051B-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2990	CP 380	CPE051C-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2991	CP 381	CPE051D-LSA	LSA (SG Side)		QUESTIONABLE	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2992	CP 382	CPE051E-LSA	LSA (SG Side)		QUESTIONABLE	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2993	CP 383	CPE051F-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2994	CP 384	CPE051G-LSA	LSA (SG Side)		QUESTIONABLE	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2995	CP 385	CPE051H-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2996	CP 386	CPE051I-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2997	CP 387	CPE051J-LSA	LSA (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2998	CP 388	CPE191A-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
2999	CP 389	CPE191B-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3000	CP 390	CPE191C-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3001	CP 391	CPE191D-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3002	CP 392	CPE191E-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3003	CP 393	CPE191F-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3004	CP 394	CPE191G-LSB	LSB (SG Side)		QUESTIONABLE	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3005	CP 395	CPE191H-LSB	LSB (SG Side)		QUESTIONABLE	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3006	CP 396	CPE191I-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3007	CP 397	CPE191J-LSB	LSB (SG Side)		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3018	CP 408	CE270-PV	PV Bottom		BAD	3	0.000+0	1.000+2	X	5.000-1	5.000-1
3019	CP 409	CP-VALVE-Y	Break Signal for YEWCON		QUESTIONABLE	3	0.000+0	1.000+2	X	3.000-1	3.000-1
3020	CP 410	CP-VALVE-S	Break Signal for FACOM		QUESTIONABLE	4	0.000+0	1.000+2	X	0.000+0	0.000+0
3021	CP 411	CPE-W057C-DC	PV Downcomer		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3022	CP 412	CPE-W067C-DC	PV Downcomer		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3023	CP 413	CPE-W071C-DC	PV Downcomer		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3024	CP 414	CPE-E071C-DC	PV Downcomer		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1
3025	CP 415	CPE-B23661	B23 Rad(6,6) Pos.1		BAD	4	0.000+0	1.000+2	X	3.350-1	3.350-1

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)				LSFF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17		PAGE 29			
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL. (%)	
3026	CP 416	CPE-B23662	B23 Rod(6,6) Pos.2	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3027	CP 417	CPE-B23663	B23 Rod(6,6) Pos.3	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3028	CP 418	CPE-B23664	B23 Rod(6,6) Pos.4	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3029	CP 419	CPE-B23665	B23 Rod(6,6) Pos.5	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3030	CP 420	CPE-B23666	B23 Rod(6,6) Pos.6	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3031	CP 421	CPE-B23667	B23 Rod(6,6) Pos.7	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3032	CP 422	CPE-B23668	B23 Rod(6,6) Pos.8	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3033	CP 423	CPE-B23669	B23 Rod(6,6) Pos.9	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3034	CP 424	CPE-B01001	Core Barrel Inside W Pos.1	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3035	CP 425	CPE-B01002	Core Barrel Inside W Pos.2	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3036	CP 426	CPE-B01003	Core Barrel Inside W Pos.3	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3037	CP 427	CPE-B01004	Core Barrel Inside W Pos.4	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3038	CP 428	CPE-B01005	Core Barrel Inside W Pos.5	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3039	CP 429	CPE-B01006	Core Barrel Inside W Pos.6	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3040	CP 430	CPE-B01007	Core Barrel Inside W Pos.7	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3041	CP 431	CPE-B01008	Core Barrel Inside W Pos.8	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3042	CP 432	CPE-B01009	Core Barrel Inside W Pos.9	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3043	CP 433	CPE-B05001	Core Barrel Inside E Pos.1	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3044	CP 434	CPE-B05002	Core Barrel Inside E Pos.2	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3045	CP 435	CPE-B05003	Core Barrel Inside E Pos.3	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3046	CP 436	CPE-B05004	Core Barrel Inside E Pos.4	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3047	CP 437	CPE-B05005	Core Barrel Inside E Pos.5	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3048	CP 438	CPE-B05006	Core Barrel Inside E Pos.6	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3049	CP 439	CPE-B05007	Core Barrel Inside E Pos.7	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3050	CP 440	CPE-B05008	Core Barrel Inside E Pos.8	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3051	CP 441	CPE-B05009	Core Barrel Inside E Pos.9	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3052	CP 442	CPE-B07001	Core Barrel Inside S Pos.1	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3053	CP 443	CPE-B07002	Core Barrel Inside S Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3054	CP 444	CPE-B07003	Core Barrel Inside S Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3055	CP 445	CPE-B07004	Core Barrel Inside S Pos.4	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3056	CP 446	CPE-B07005	Core Barrel Inside S Pos.5	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3057	CP 447	CPE-B07006	Core Barrel Inside S Pos.6	UNQUALIFIED		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3058	CP 448	CPE-B07007	Core Barrel Inside S Pos.7	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3059	CP 449	CPE-B07008	Core Barrel Inside S Pos.8	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
3060	CP 450	CPE-B07009	Core Barrel Inside S Pos.9	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
991	CP 451	CPE-B03001	Core Barrel Inside N Pos.1	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
992	CP 452	CPE-B03002	Core Barrel Inside N Pos.2	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
993	CP 453	CPE-B03003	Core Barrel Inside N Pos.3	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
994	CP 454	CPE-B03004	Core Barrel Inside N Pos.4	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
995	CP 455	CPE-B03005	Core Barrel Inside N Pos.5	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
996	CP 456	CPE-B03006	Core Barrel Inside N Pos.6	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
997	CP 457	CPE-B03007	Core Barrel Inside N Pos.7	QUESTIONABLE		3	0.000+0	1.000+2	X	3.000-1	3.000-1
998	CP 458	CPE-B03008	Core Barrel Inside N Pos.8	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
999	CP 459	CPE-B03009	Core Barrel Inside N Pos.9	BAD		3	0.000+0	1.000+2	X	3.000-1	3.000-1
1000	CP 460	CPE-IN0630-SGA	SGA Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1001	CP 461	CPE-IN0650-SGA	SGA Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1002	CP 462	CPE-IN0680-SGA	SGA Inlet Plenum	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1003	CP 463	CPE-IN0720-SGA	SGA Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1004	CP 464	CPE-IN0760-SGA	SGA Inlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1005	CP 465	CPE-EX0630-SGA	SGA Outlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1006	CP 466	CPE-EX0650-SGA	SGA Outlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1007	CP 467	CPE-EX0680-SGA	SGA Outlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1008	CP 468	CPE-EX0720-SGA	SGA Outlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1009	CP 469	CPE-EX0760-SGA	SGA Outlet Plenum	GOOD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1010	CP 470	CPE-IN0630-SGB	SGB Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1011	CP 471	CPE-IN0650-SGB	SGB Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1012	CP 472	CPE-IN0680-SGB	SGB Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1013	CP 473	CPE-IN0720-SGB	SGB Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1014	CP 474	CPE-IN0760-SGB	SGB Inlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1015	CP 475	CPE-EX0630-SGB	SGB Outlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1016	CP 476	CPE-EX0650-SGB	SGB Outlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1017	CP 477	CPE-EX0680-SGB	SGB Outlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1018	CP 478	CPE-EX0720-SGB	SGB Outlet Plenum	QUESTIONABLE		4	0.000+0	1.000+2	X	3.350-1	3.350-1
1019	CP 479	CPE-EX0760-SGB	SGB Outlet Plenum	BAD		4	0.000+0	1.000+2	X	3.350-1	3.350-1
3161	RC 1	MFE011A-HLA-EU	HLA Spool Piece Top	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3162	RC 2	MFE011B-HLA-EU	HLA Spool Piece Side	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3163	RC 3	MFE011C-HLA-EU	HLA Spool Piece Bottom	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3164	RC 4	MFE051A-LSA-EU	LSA Spool Piece East	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3165	RC 5	MFE051B-LSA-EU	LSA Spool Piece South	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3166	RC 6	MFE051C-LSA-EU	LSA Spool Piece West	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3167	RC 7	MFE071A-CLA-EU	CLA Spool Piece Top	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3168	RC 8	MFE071B-CLA-EU	CLA Spool Piece Side	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3169	RC 9	MFE071C-CLA-EU	CLA Spool Piece Bottom	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3170	RC 10	MFE151A-HLB-EU	HLB Spool Piece Top	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3171	RC 11	MFE151B-HLB-EU	HLB Spool Piece Side	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3172	RC 12	MFE151C-HLB-EU	HLB Spool Piece Bottom	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3173	RC 13	MFE191A-LSB-EU	LSB Spool Piece West	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3174	RC 14	MFE191B-LSB-EU	LSB Spool Piece North	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3175	RC 15	MFE191C-LSB-EU	LSB Spool Piece East	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3176	RC 16	MFE211A-CLB-EU	CLB Spool Piece Top	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3177	RC 17	MFE211B-CLB-EU	CLB Spool Piece Side	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3178	RC 18	MFE211C-CLB-EU	CLB Spool Piece Bottom	UNQUALIFIED		4	-1.300+4	1.300+4	kg/ms2	2.600+2	1.000+0
3179	RC 19	MFE021-HLA-EU	SGA Inlet	UNQUALIFIED		4	-2.890+3	2.890+3	kg/ms2	5.780+1	1.000+0
3180	RC 20	MFE051B-LSA-EU	LSA Spool Piece North(Low)	UNQUALIFIED		4	-2.890+3	2.890+3	kg/ms2	5.780+1	1.000+0
3181	RC 21	MFE161-HLB-EU	SGB Inlet	UNQUALIFIED		4	-2.890+3	2.890+3	kg/ms2	5.780+1	1.000+0

Table 2.2 (Continued)

ADQ DATA QUALITY RECORD (DQR)				LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 30					
ICF REV DATE 92-10-05				LCV XXX		RCV YYY		DQV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION	DATA QUALITY		GROUP NO	SPAN LO	LIMITS HI	UNIT	UNCERTAINTY ABS. REL.(%)	
3182	RC 22	MFE1910-LSB-EU	LSB Spool Piece South(Low)	GOOD	UNQUALIFIED	4	-2.890+3	2.890+3	kg/ms2	5.780+1	1.000+0
3191	RC 31	DE011A-HLA-EU	HLA S.P Beam A			4	0.000+0	1.000+3	kg/m3	2.700+1	2.700+0
3192	RC 32	DE011B-HLA-EU	HLA S.P Beam B			4	0.000+0	1.000+3	kg/m3	2.000+1	2.000+0
3193	RC 33	DE011C-HLA-EU	HLA S.P Beam C			4	0.000+0	1.000+3	kg/m3	2.200+1	2.200+0
3194	RC 34	DE151A-HLB-EU	HLB S.P Beam A	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	2.700+1	2.700+0
3195	RC 35	DE151B-HLB-EU	HLB S.P Beam B			4	0.000+0	1.000+3	kg/m3	2.000+1	2.000+0
3196	RC 36	DE151C-HLB-EU	HLB S.P Beam C			4	0.000+0	1.000+3	kg/m3	2.200+1	2.200+0
3197	RC 37	DE071A-CLA-EU	CLA S.P Beam A			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3198	RC 38	DE071B-CLA-EU	CLA S.P Beam B	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3199	RC 39	DE071C-CLA-EU	CLA S.P Beam C			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3200	RC 40	DE211A-CLB-EU	CLB S.P Beam A			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3201	RC 41	DE211B-CLB-EU	CLB S.P Beam B			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3202	RC 42	DE211C-CLB-EU	CLB S.P Beam C	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3203	RC 43	DE571A-BU-EU	BU No.1 S.P Beam A			4	0.000+0	1.000+3	kg/m3	1.000+2	1.000+1
3204	RC 44	DE571B-BU-EU	BU No.1 S.P Beam B			4	0.000+0	1.000+3	kg/m3	1.000+2	1.000+1
3205	RC 45	DE571C-BU-EU	BU No.1 S.P Beam C			4	0.000+0	1.000+3	kg/m3	1.000+2	1.000+1
3206	RC 46	FRE-011-HLA	from RC 1 2 3 31 32 33	GOOD	UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	5.490+0	2.270+0
3207	RC 47	DAE-011-HLA	from RC 31 32 33			4	0.000+0	1.000+3	kg/m3	4.170+1	4.170+0
3208	RC 48	FRE-151-HLB	from RC 10 11 12 34 35 36			4	-1.210+2	1.210+2	kg/s	5.490+0	2.270+0
3209	RC 49	DAE-151-HLB	from RC 34 35 36			4	0.000+0	1.000+3	kg/m3	4.170+1	4.170+0
3210	RC 50	FRE-071-CLA	from RC 7 8 9 37 38 39	GOOD	UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	2.171+1	8.970+0
3211	RC 51	FRE-211-CLB	from RC 16 17 18 40 41 42			4	-1.210+2	1.210+2	kg/s	2.171+1	8.970+0
3212	RC 52	DAE-071-CLA	from RC 37 38 39			4	0.000+0	1.000+3	kg/m3	8.930+1	8.930+0
3213	RC 53	DAE-211-CLB	from RC 40 41 42			4	0.000+0	1.000+3	kg/m3	8.930+1	8.930+0
3214	RC 54	MFE571A-BU-EU	BU No.1 S.P (High)	GOOD	UNQUALIFIED	4	-1.000+1	1.000+1	kg/ms2	1.000+0	5.000+0
3215	RC 55	MFE571B-BU-EU	BU No.1 S.P (Low)			4	-1.000+1	1.000+1	kg/ms2	1.000+0	5.000+0
3216	RC 56	DE051A-LSA-EU	LSA S.P Beam A			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3217	RC 57	DE051B-LSA-EU	LSA S.P Beam B			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3218	RC 58	DE051C-LSA-EU	LSA S.P Beam C	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3219	RC 59	DE191A-LSB-EU	LSB S.P Beam A			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3220	RC 60	DE191B-LSB-EU	LSB S.P Beam B			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3221	RC 61	DE191C-LSB-EU	LSB S.P Beam C			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3222	RC 62	DE052-LSA-EU	LSA Bottom	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3223	RC 63	DE192-LSB-EU	PCB Suction			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3224	RC 64	DE281-PR-EU	PR Surge Line			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3225	RC 65	DE291-PR-EU	PR Relief Valve Line			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3226	RC 66	DE301-PR-EU	PR Safety Valve Line	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3227	RC 67	DE311-PR-EU	PV-PR Vent Line			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3228	RC 68	DE431-SGA-EU	SGA Downcomer			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3229	RC 69	DE471-SGB-EU	SGB Downcomer			4	0.000+0	1.000+3	kg/m3	5.500+1	5.500+0
3232	RC 72	DE451C-SGA-EU	SGA Safety S.P Bottom Beam	GOOD	UNQUALIFIED	4	0.000+0	1.000+1	kg/m3	1.000+0	1.000+1
3233	RC 73	DE591A-BU-EU	BU S.P Beam A			4	0.000+0	1.000+1	kg/m3	1.000+0	1.000+1
3234	RC 74	DE591B-BU-EU	BU S.P Beam B			4	0.000+0	1.000+1	kg/m3	1.000+0	1.000+1
3235	RC 75	DE591C-BU-EU	BU S.P Beam C			4	0.000+0	1.000+1	kg/m3	7.200+0	7.200+1
3236	RC 76	MFE061A-LSA-EU	LSA Spool Piece	GOOD	UNQUALIFIED	4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3237	RC 77	MFE061B-LSA-EU	LSA Spool Piece			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3238	RC 78	MFE201A-LSB-EU	LSB Spool Piece			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3239	RC 79	MFE201B-LSB-EU	LSB Spool Piece			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3240	RC 80	MFE311A-PR-EU	PV-PR Vent Line S.P Top	GOOD	UNQUALIFIED	4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3241	RC 81	MFE311B-PR-EU	PV-PR Vent Line Bottom			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3242	RC 82	MFE291A-PR-EU	PR Relief Valve Line(High)			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3243	RC 83	MFE291B-PR-EU	PR Relief Valve Line(Low)			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3244	RC 84	MFE301B-PR-EU	PR Safety Valve Line(Low)	GOOD	UNQUALIFIED	4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3245	RC 85	MFE301A-PR-EU	PR Safety Valve Line(High)			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3246	RC 86	MFE591A-BU-EU	BU No.2 S.P (High)			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3247	RC 87	MFE591B-BU-EU	BU No.2 S.P (Low)			4	0.000+0	1.239+4	kg/ms2	0.000+0	0.000+0
3257	RC 97	FE291A-AVG	from RC 65 RC 82	GOOD	UNQUALIFIED	4	0.000+0	3.000+0	kg/s	4.860+2	1.620+0
3258	RC 98	FE291B-AVG	from RC 65 RC 83			4	0.000+0	3.000+0	kg/s	4.860+2	1.620+0
3259	RC 99	FE301A-AVG	from RC 66 RC 85			4	0.000+0	6.000+0	kg/s	9.720+2	1.620+0
3260	RC 100	FE301B-AVG	from RC 66 RC 84			4	0.000+0	6.000+0	kg/s	9.720+2	1.620+0
3061	RC 101	FE311A-AVG	from RC 67,80	GOOD	UNQUALIFIED	4	0.000+0	2.000+0	kg/s	4.580+2	2.290+0
3062	RC 102	FE311B-AVG	from RC 67,81			4	0.000+0	2.000+0	kg/s	4.580+2	2.290+0
3063	RC 103	FE571A-AVG	from RC 106,54			4	0.000+0	1.000+1	kg/s	1.120+1	1.120+0
3064	RC 104	FE571B-AVG	from RC 106,55			4	0.000+0	1.000+1	kg/s	1.120+1	1.120+0
3066	RC 106	DE571-AVG	from RC 43,44,45	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	1.000+1	1.000+0
3067	RC 107	FRE590-ST	from TE 85,86 PE 25 LE 10			2	0.000+0	1.000+1	kg/s	2.600+2	1.000+0
3068	RC 108	FRE675-ACH	from TE 93,94 PE 32 LE 15			2	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3069	RC 109	FRE655-ACC	from TE 89,90 PE 31 LE 14			2	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3070	RC 110	FRE-051-LSA	Cross Over Leg A Flow Rate	GOOD	UNQUALIFIED	4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3071	RC 111	FRE-191-LSB	Cross Over Leg B Flow Rate			4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3072	RC 112	DAE-051-LSA	Cross Over Leg A Ave. Dens.			4	0.000+0	1.000+3	kg/m3	0.000+0	0.000+0
3073	RC 113	DAE-191-LSB	Cross Over Leg B Ave. Dens.			4	0.000+0	1.000+3	kg/m3	0.000+0	0.000+0
3074	RC 114	FRE-061-LSA	from RC 76,77,56,57,58	GOOD	UNQUALIFIED	4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3075	RC 115	FRE-201-LSB	from RC 78,79,59,60,61			4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3076	RC 116	FRE-571A-BU	from RC 54,43,44,45			4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3077	RC 117	FRE-571B-BU	from RC 55,43,44,45			4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3078	RC 118	FRE-591A-BU	from RC 86	GOOD	UNQUALIFIED	4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3079	RC 119	FRE-591B-BU	from RC 87			4	-1.300+4	1.300+4	kg/s	2.600+2	1.000+0
3080	RC 120	DAE-051-LSA-TY	from RC 56,57,58			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3081	RC 121	DAE-191-LSB-TY	from RC 59,60,61			4	0.000+0	1.000+3	kg/m3	5.000+1	5.000+0
3082	RC 122	DAE-571A-BU	from RC 43,44,45	GOOD	UNQUALIFIED	4	0.000+0	1.000+3	kg/m3	1.000+2	1.000+1
3083	RC 123	DAE-571B-BU	from RC 43,44,45			4	0.000+0	1.000+3	kg/m3	1.000+2	1.000+1
3084	RC 124	DAE-591A-BU	from RC 73,74,75			4	0.000+0	1.000+3	kg/m3	0.000+0	0.000+0
3085	RC 125	DAE-591B-BU	from RC 73,74,75			4	0.000+0	1.000+3	kg/m3	0.000+0	0.000+0
3086	RC 126	FRE-291A-PR	from RC 82,65	GOOD	UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0	0.000+0

Table 2.2 (Continued)

ADD DATA QUALITY RECORD (DQR)			LSTF EXP. SB-CL-27 (SCR)		EXP. DATE 92-09-17 PAGE 31					
ICF REV DATE 92-10-05			LCV XXX		RCV YYY		DGV SCR		RUN DATE 93-12-03	
SEQ NO	FUNC ID.	TAG NAME	LOCATION		DATA QUALITY	GROUP NO	SPAN LIMITS LO HI		UNIT	UNCERTAINTY ABS. REL.(%)
3087	RC 127	FRE-291B-PR	from RC 83,65		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3088	RC 128	FRE-301A-PR	from RC 85,66		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3089	RC 129	FRE-301B-PR	from RC 84,66		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3090	RC 130	FRE-311A-PR	from RC 80,67		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3091	RC 131	FRE-311B-PR	from RC 81,67		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3092	RC 132	DES91-AVG	from RC 73,74,75	GOOD		4	-1.210+2	1.210+2	kg/m3	0.000+0 0.000+0
3093	RC 133	TWE-PCT	Peak Cladding Temp.	GOOD		1	0.000+0	0.000+0	K	0.000+0 0.000+0
3094	RC 134	TWE-PCYLDC	Location of PCT		FOR PROCESS NOT INCLUDED.	1	0.000+0	0.000+0	Channel	0.000+0 0.000+0
3095	RC 135	FE591A-AVG	from RC 86,132		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0
3096	RC 136	FE591B-AVG	from RC 87,132		UNQUALIFIED	4	-1.210+2	1.210+2	kg/s	0.000+0 0.000+0

Table 3.1 Test Initial Conditions for Run SB-CL-27

Pressurizer Pressure	11.23 MPa
SG-A Secondary side pressure	6.45 MPa
SB-B Secondary side pressure	6.46 MPa
A Loop Circulation Pump Velocity	898.8 rpm
B Loop Circulation Pump Velocity	849.3 rpm
Core Power	10.0 MW
PR Water Level	2.21 m
Fluid Temperature	
Hot Leg A	588.2 K
Hot Leg B	587.9 K
Cold Leg A	554.9 K
Cold Leg B	554.9 K
Circulation Flowrate	
Loop A	27.0 kg/s
Loop B	25.5 kg/s
SG-A Feedwater Flowrate	2.74 kg/s
Main Steam Line Flowrate	2.65 kg/s
SG-B Feedwater Flowrate	2.61 kg/s
Main Steam Line Flowrate	2.54 kg/s
Feedwater Temperature	
Loop A	494.1 K
Loop B	494.1 K
Water Level in SG	
SG-A	10.3 m
SG-B	10.3 m
ACC Water Level	DL. 5.815 m

Table 4.1 Specified Operational Setpoints for Run SB-CL-27

Reactor scram signal	with break
Initiation of RC pump coastdown	with reactor scram
Safety injection (SI) signal	with break
High pressure charging pumps	not used
High pressure safety injection pumps	not used
Accumulator injection	4.51 MPa
Low pressure injection	not used
Main feedwater termination	with reactor scram
Turbine throttle valve closure	with reactor scram
Auxiliary feedwater initiation	not used
Pressurizer Proportional-Heater off	1 m (pressurizer)
Pressurizer Back-up-heater off	1m (pressurizer)
Pressurizer Relief Valve Orifice	10.5 mm (used as ADS-1)
Pressurizer Relief Valve open	6 MPa (pressurizer)
Pressurizer Safety Valve Orifice	14.5 mm (used as ADS-1)
Pressurizer Safety Valve open	6 MPa (pressurizer)
Core Power Profile	Case 3
Steam Generator Relief Valve Orifice	19.4 mm
Steam Generator Relief Valve on/off	7.4/7.2 MPa

Table 4.2 Tabulation of Core Power Decay Curve

Time after Scram (s)	Power (MW)
0.00	10.000
1.00	10.000
2.00	10.000
3.00	10.000
4.00	10.000
5.00	10.000
6.00	10.000
7.00	10.000
8.00	10.000
10.00	10.000
15.00	10.000
18.00	10.000
20.00	8.150
30.00	5.366
40.00	4.504
60.00	3.538
80.00	3.043
100.00	2.763
150.00	2.423
200.00	2.263
300.00	2.080
400.00	2.000
600.00	1.832
800.00	1.577
1000.00	1.487
1500.00	1.342
2000.00	1.238
4000.00	1.003
6000.00	0.8861
8000.00	0.8136
10000.00	0.7627
20000.00	0.6294
50000.00	0.4912
100000.00	0.4047

Table 4.3 Safety Injection System and ADS Operational Conditions

ACC	
Trip Condition	Pressurizer pressure < 4.51 MPa
Injection Location	Cold Leg-A Nozzle N-14a
Termination	ACC level < 2.25 m
ADS-1 (simulated with PORV and Safety Valve Lines at Pressurizer)	
Trip Condition	Pressurizer pressure < 6 MPa
Orifice Diameter	10.5 mm for PORV and 14.5 mm for SV
ADS-2 (simulated with Break Unit 2 connected at PR Nozzle)	
Trip Condition	Pressurizer pressure < 1.3 MPa
Orifice Diameter	43.4 mm
Valves in Cold leg PBL and DVI line	
Trip Condition	Open with break

Table 5.1 Chronology of Events

Event	Time
Break	0.
Circulation Pump Stop	250
Pump Bypass Line Valve Open	~250
Actuation of First Stage ADS	417
Initiation of ACC Discharge	474
Termination of ACC Discharge	1361
Actuation of Second Stage ADS	1620
Break Valve Close	2812

Table 5.2 Listing of Event Record File (ERF)

SB-CL-27 (SCR)			Month	Day	Hour	Minute	Second
1	AOV-060-PV	PV BLEED	9	17	20	24	44
2	AOV-060-PV	PV BLEED	9	17	20	26	15
3	AOV-300-BU	BU NO.1	9	17	20	48	12
4	AOV-220-SH	SH MAIN	9	17	20	48	13
5	AOV-440-ACH	ACH INJEC.1	9	17	20	48	13
6	AOV-260-JC	JC PF FEED	9	17	20	48	14
7	PCA		9	17	20	52	22
8	PCB		9	17	20	52	22
9	AOV-100-PR	PR RELIEF	9	17	20	55	9
10	AOV-110-PR	PR SAFTY	9	17	20	55	11
11	AOV-410-ACC	ACC INJEC.1	9	17	20	56	6
12	AOV-410-ACC	ACC INJEC.1	9	17	21	10	53
13	AOV-310-BU	BU NO.2	9	17	21	15	12
14	AOV-300-BU	BU NO.1	9	17	21	35	4
15	AOV-310-BU	BU NO.2	9	17	21	35	8
16	AOV-100-PR	PR RELIEF	9	17	21	35	11
17	AOV-110-PR	PR SAFTY	9	17	21	35	12
18	AOV-440-ACH	ACH INJEC.1	9	17	21	37	9

Table 5.3 Timings of tI and tE at each T/C Measurement Elevation

Elevation (m)	tI (s)	tE (s)
0.475	1765.2	1823.0
0.940	1740.0	1780.0
1.405	1694.0	1745.0
1.870	1619.6	1698.0
2.335	1352.4	1605.0
2.800	1225.8	1435.0
3.265	1102.4	1316.0
3.275	1103.0	1315.0
3.285	1105.6	1311.0
3.295	1110.4	1310.0
3.305	1104.6	1302.0
3.315	1100.8	1308.0
3.325	1095.8	1305.0
3.335	1094.4	1303.0
3.345	1094.0	1300.0
3.355	1084.8	1298.0
3.820	961.6	1186.0
4.285	782.8	1052.0
4.750	639.8	912.0
5.215	555.6	740.0
5.680	508.4	600.0
6.145	490.0	507.0
6.610	478.0	478.0

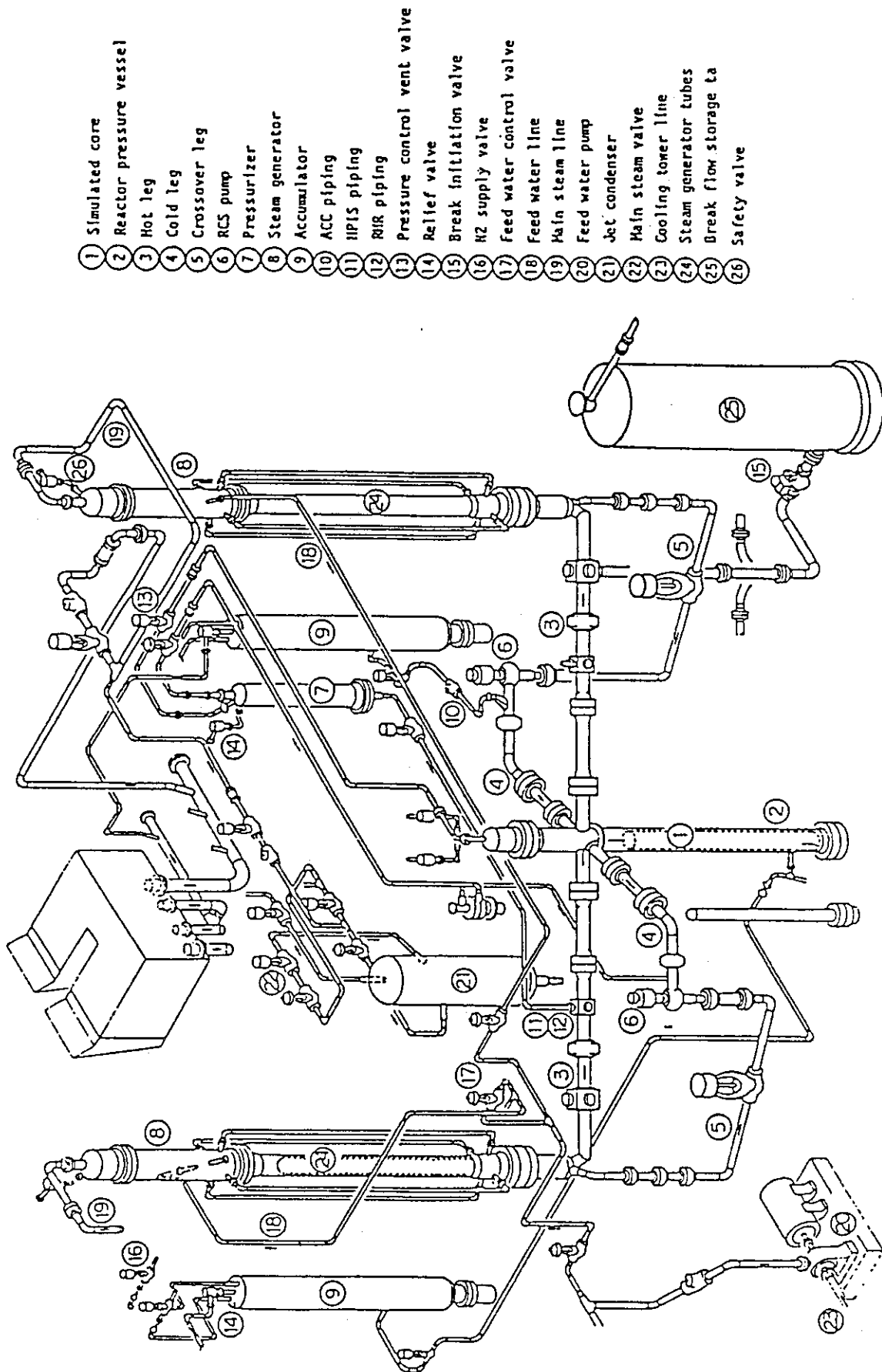


Fig. 2.1 Schematic of ROSA-IV Large Scale Test Facility (LSTF)

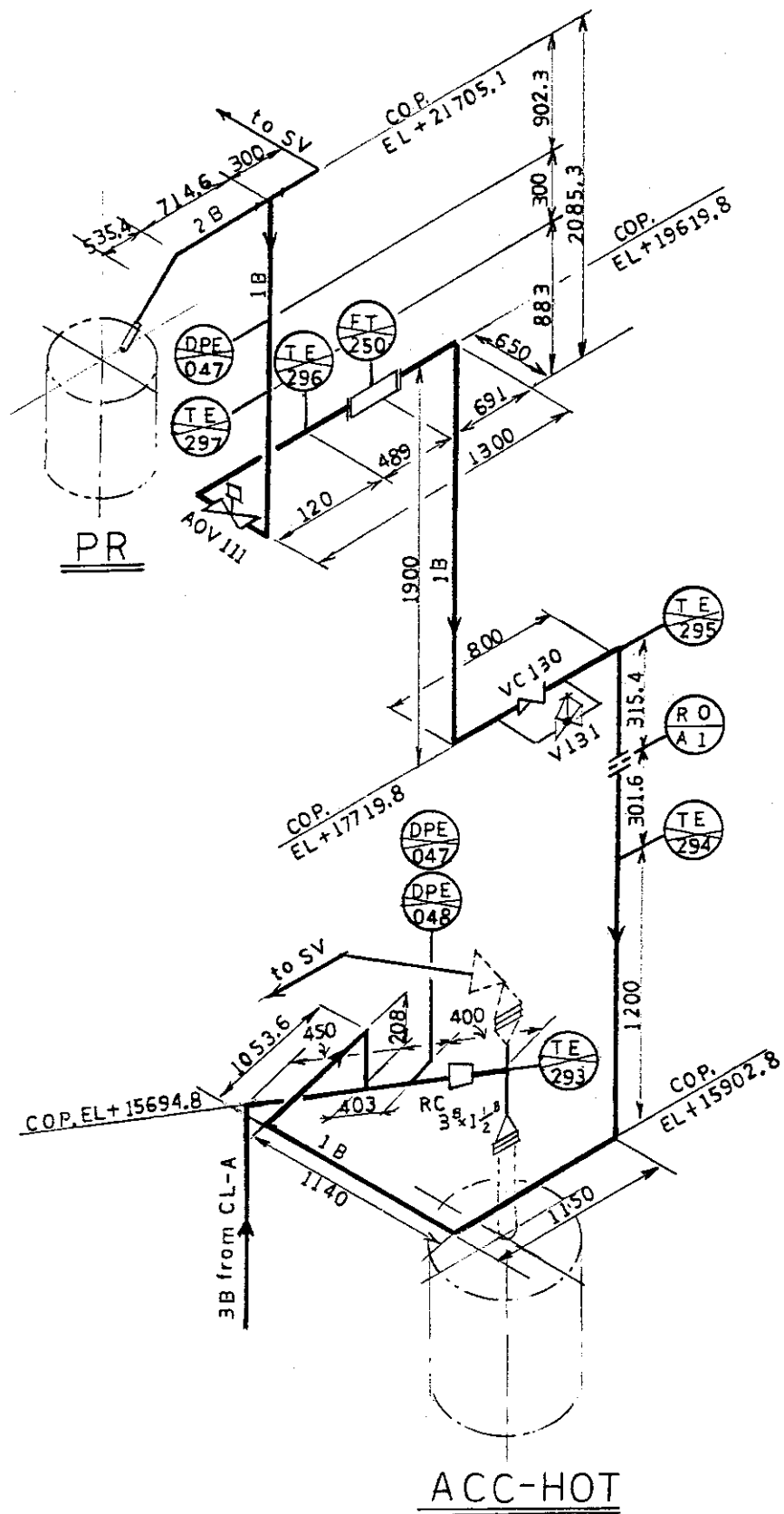


Fig. 2.2 Piping Configuration for Pressurizer PBL

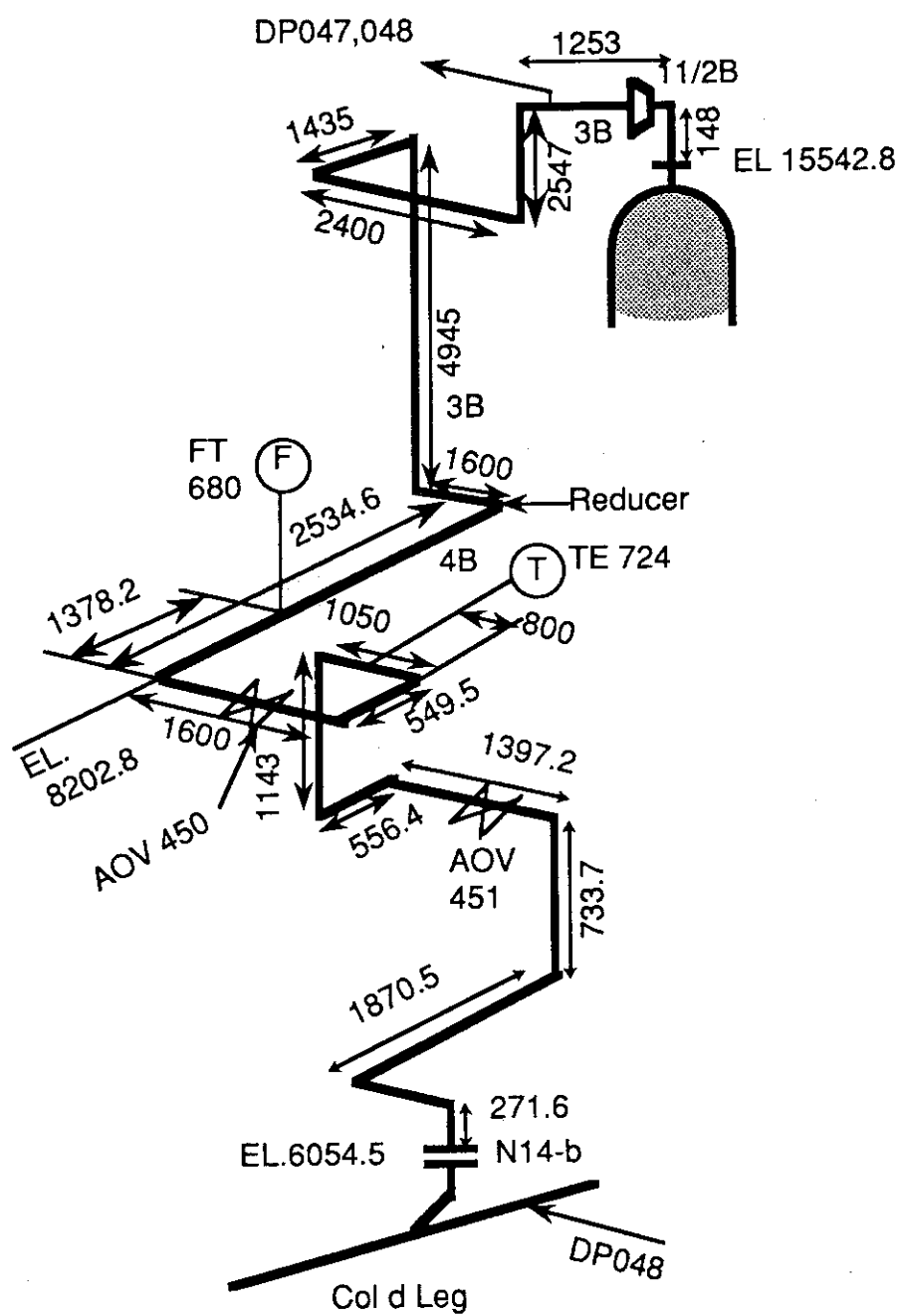


Fig. 2.3 Piping Configuration for Cold Leg PBL

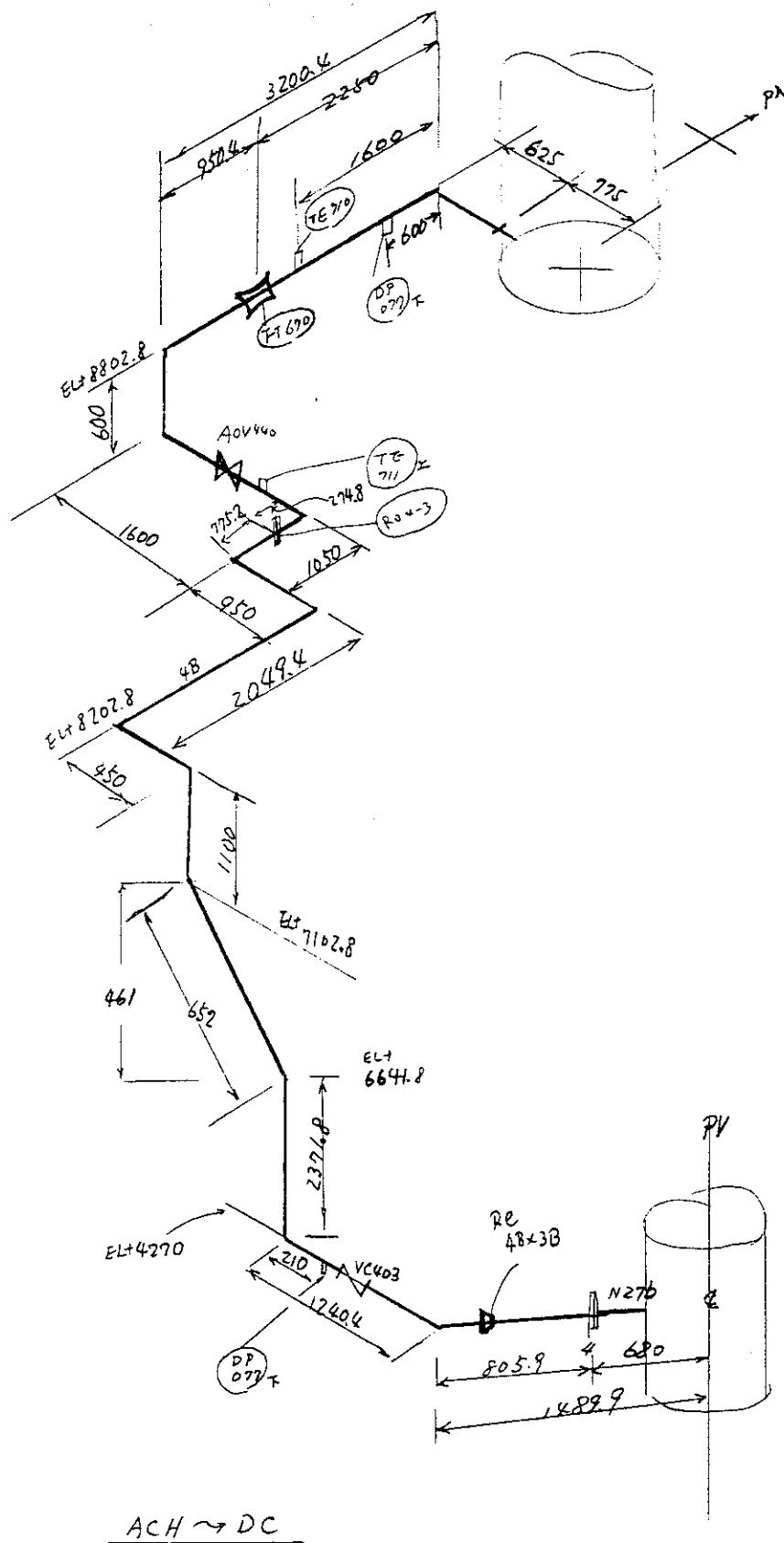


Fig. 2.4 Piping Configuration for DVI Line

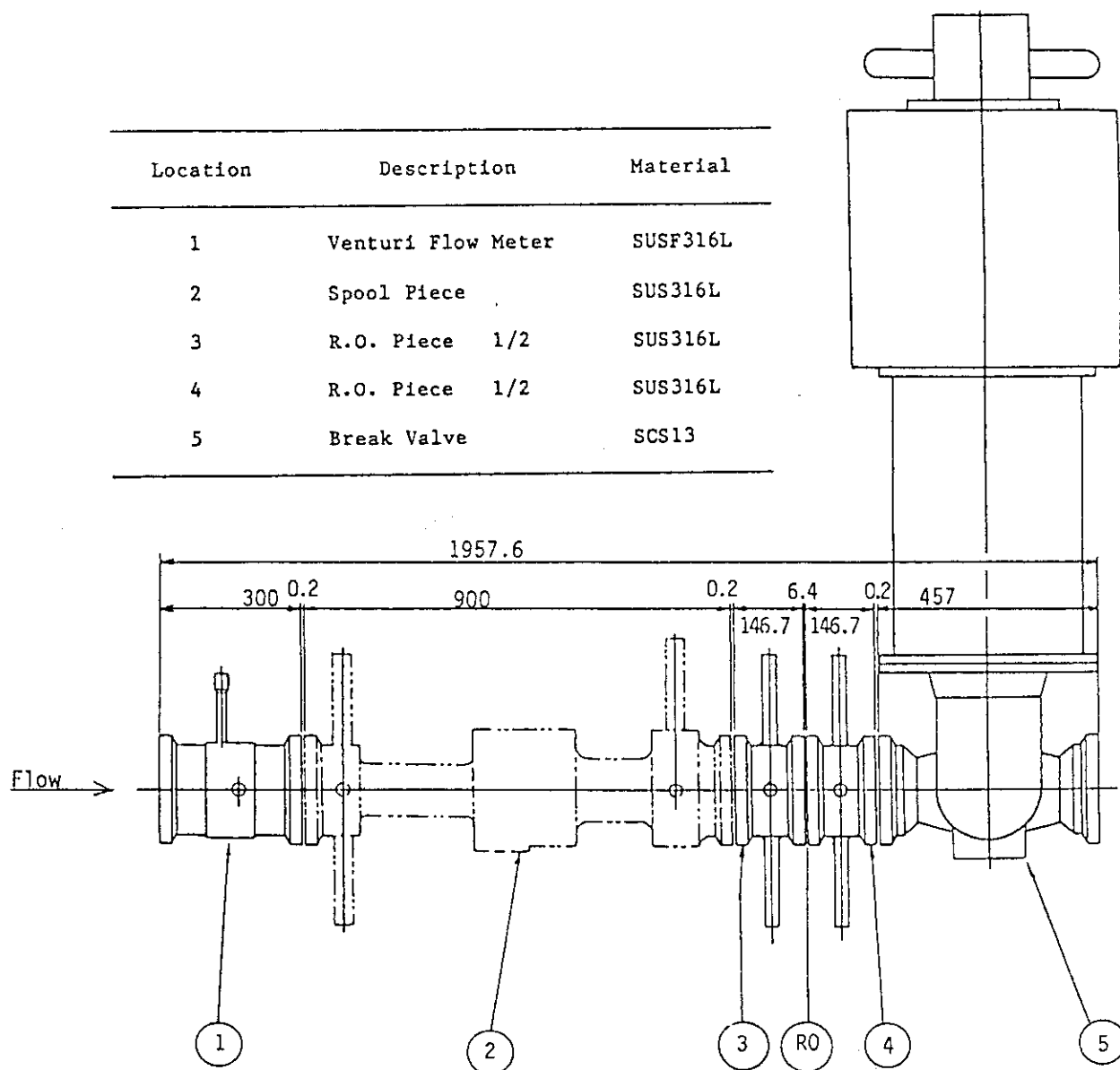


Fig. 2.5 Break Unit Geometry used for the Second Stage of ADS

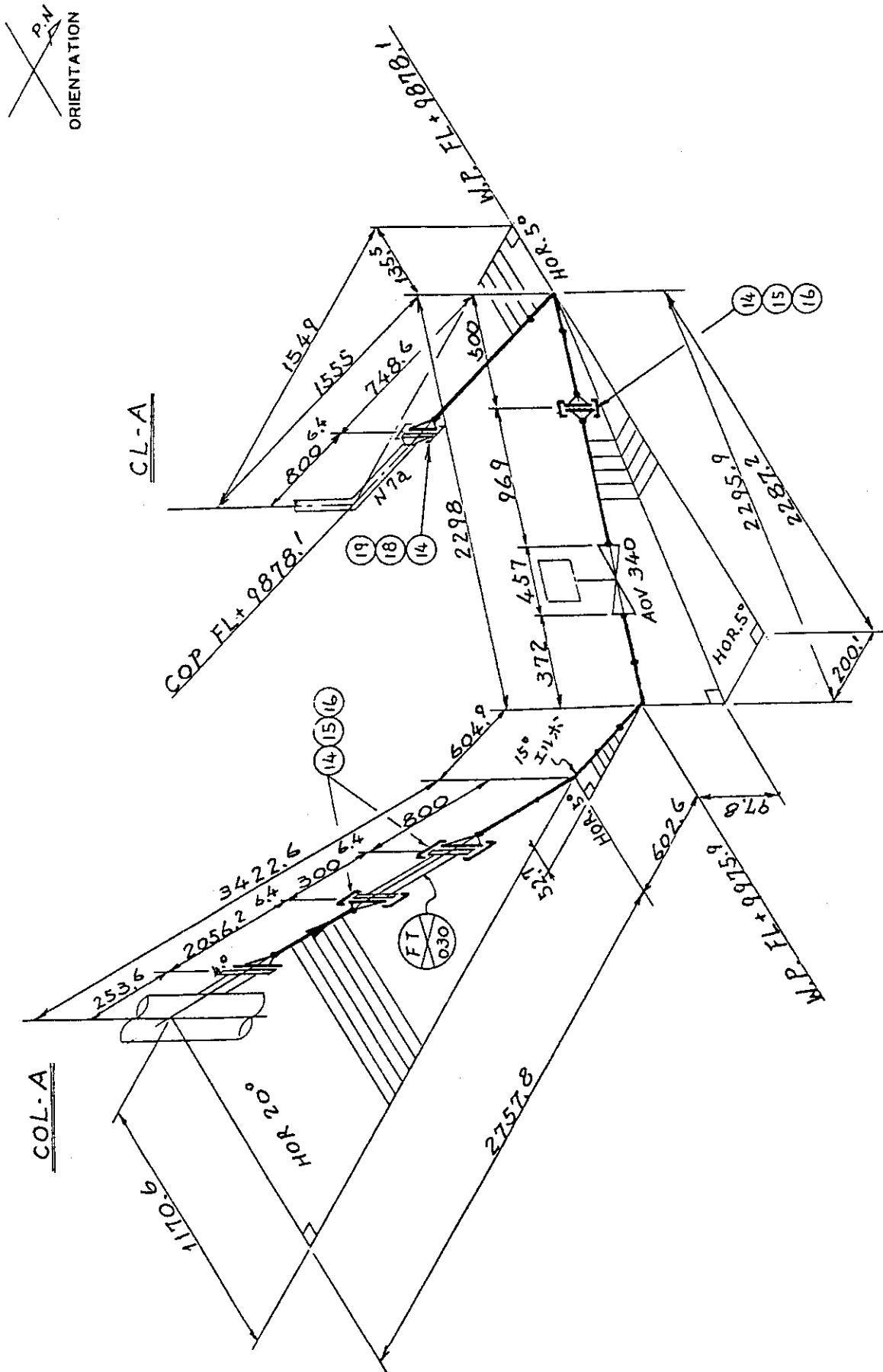


Fig. 2.6 Piping Configuration for Loop A Pump Bypass Line

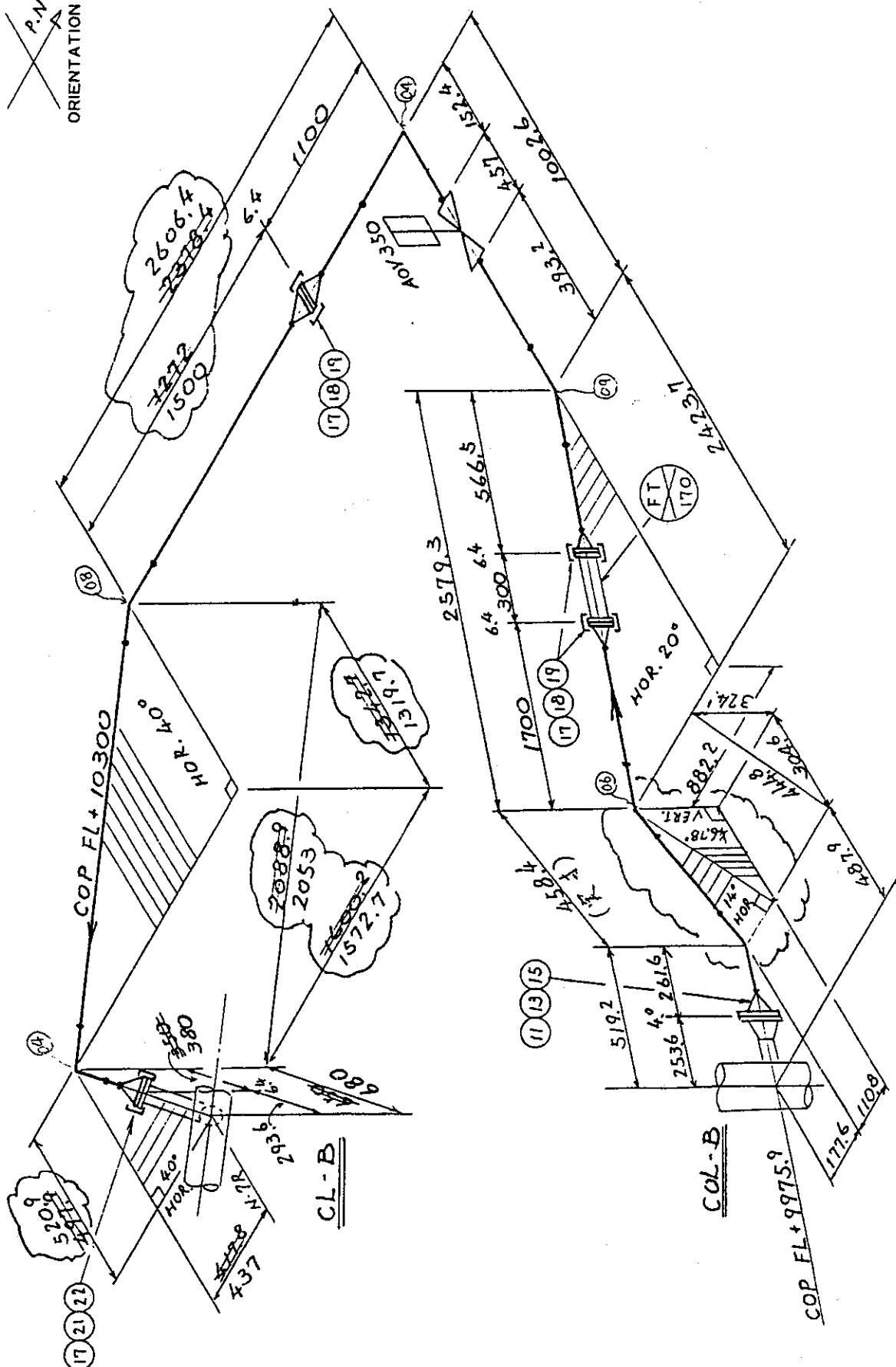


Fig. 2.7 Piping Configuration for Loop B Pump Bypass Line

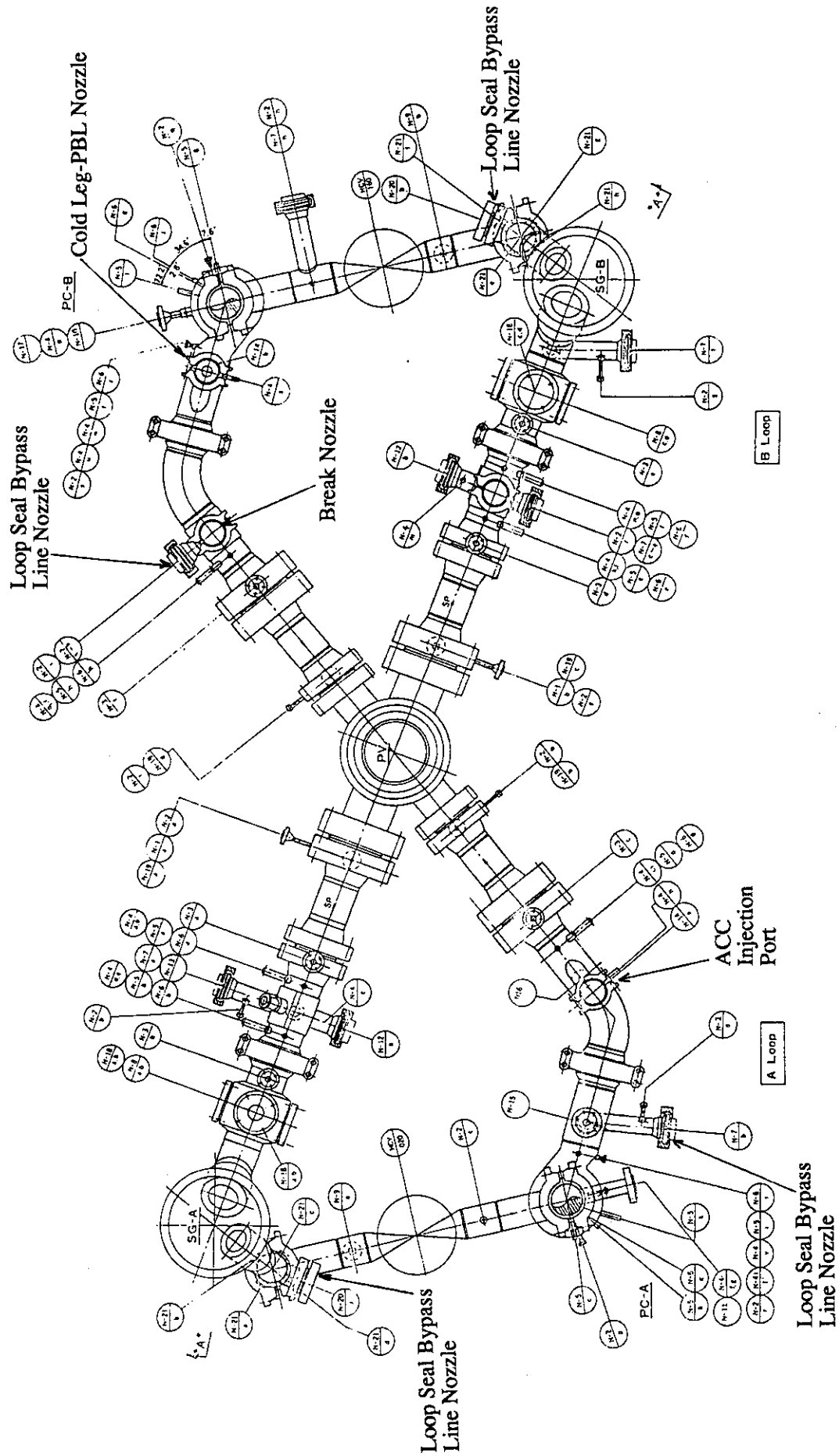


Fig. 4.1 Break Location

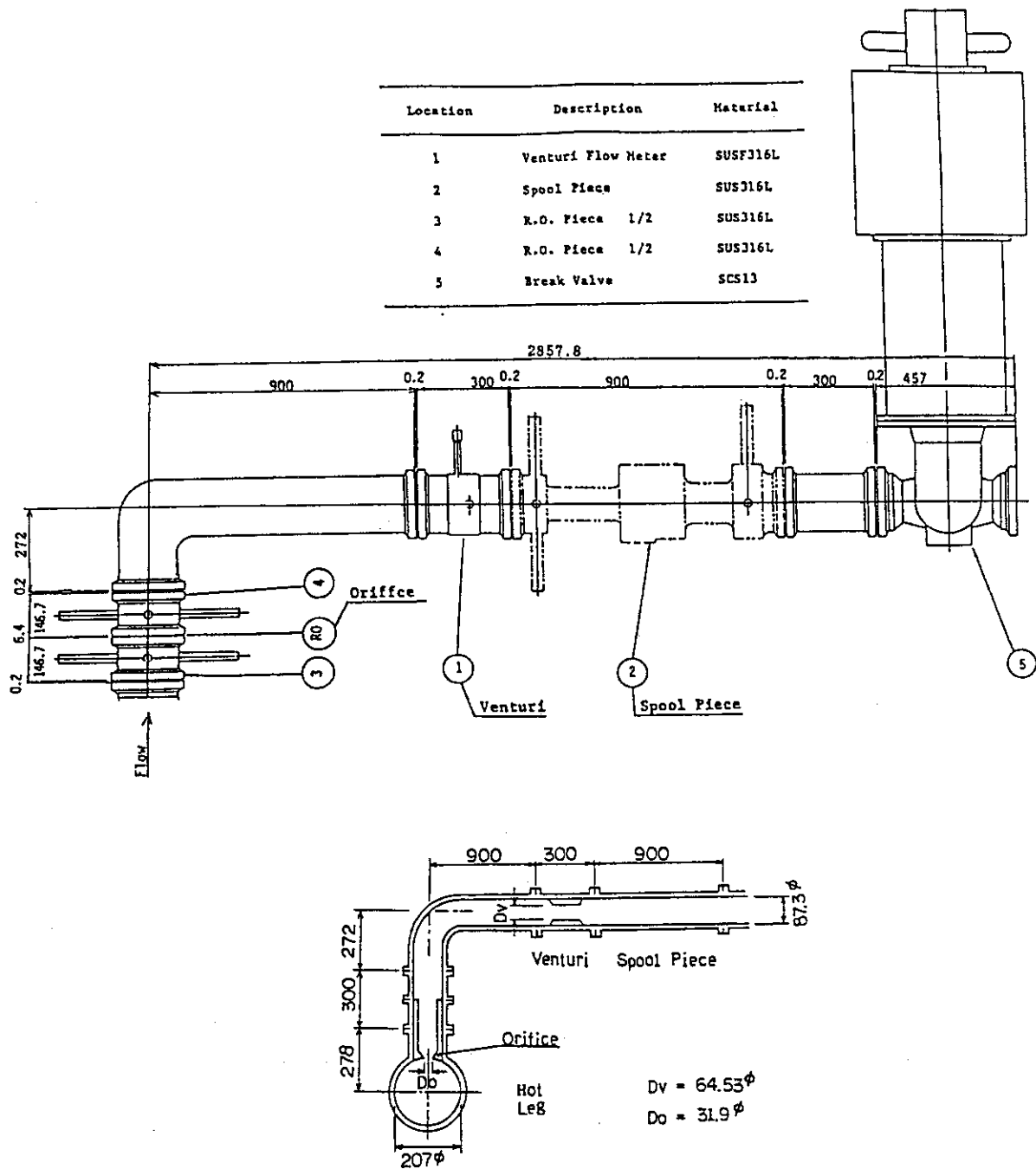


Fig. 4.2 Break Unit Geometry

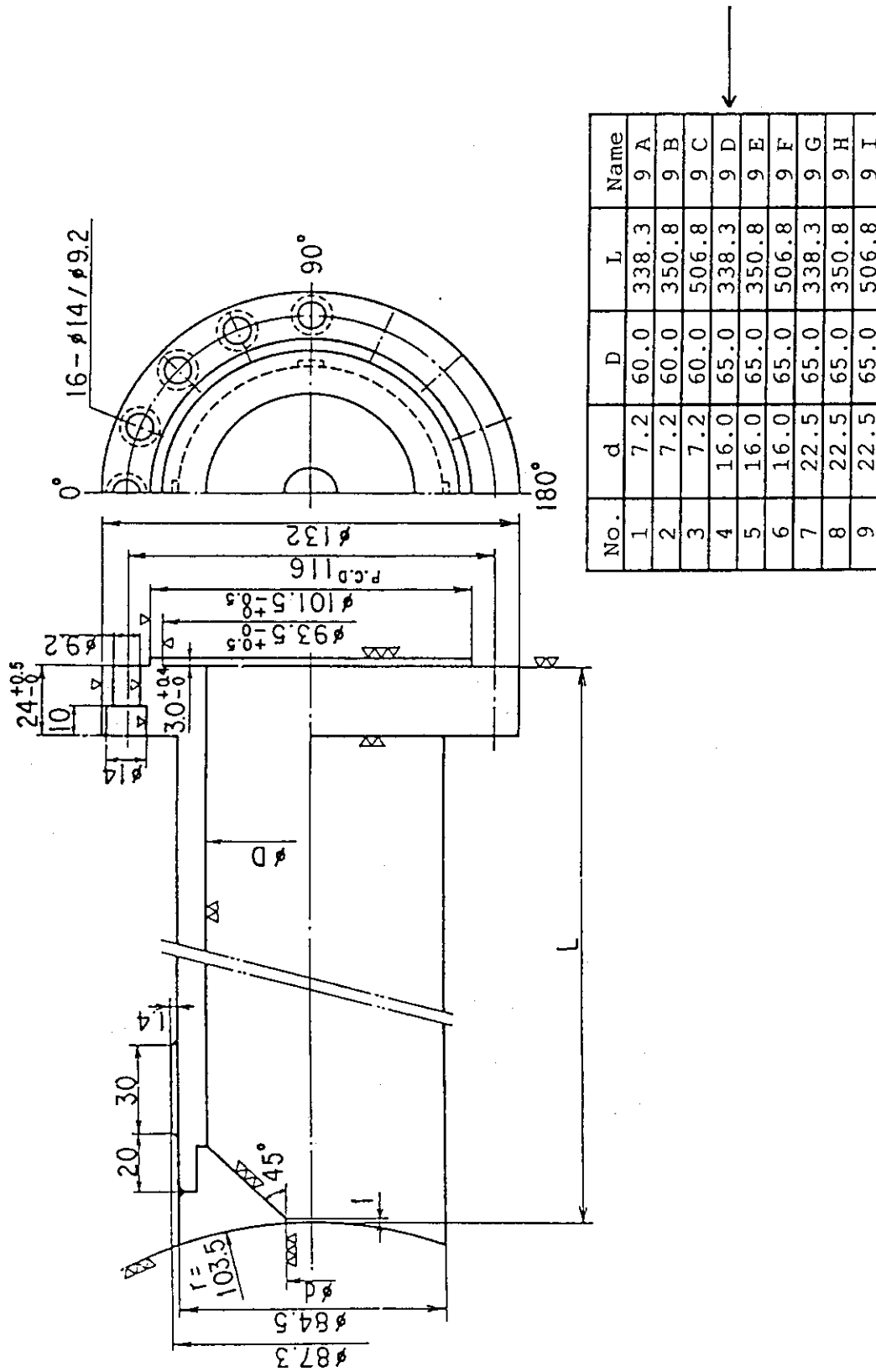


Fig. 4.3 Break Orifice Geometry

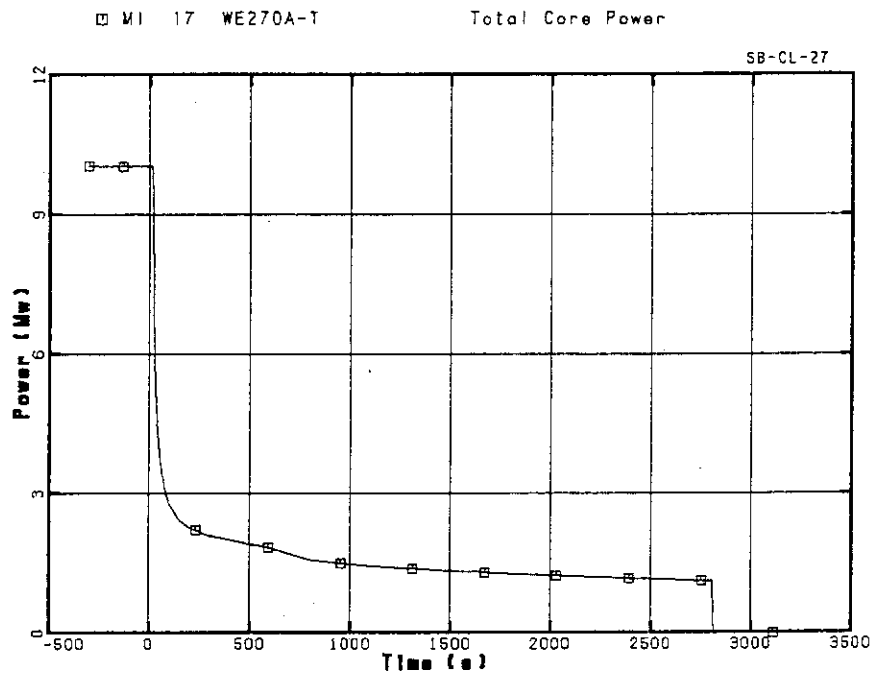


Fig. 4.4 Total Core Power

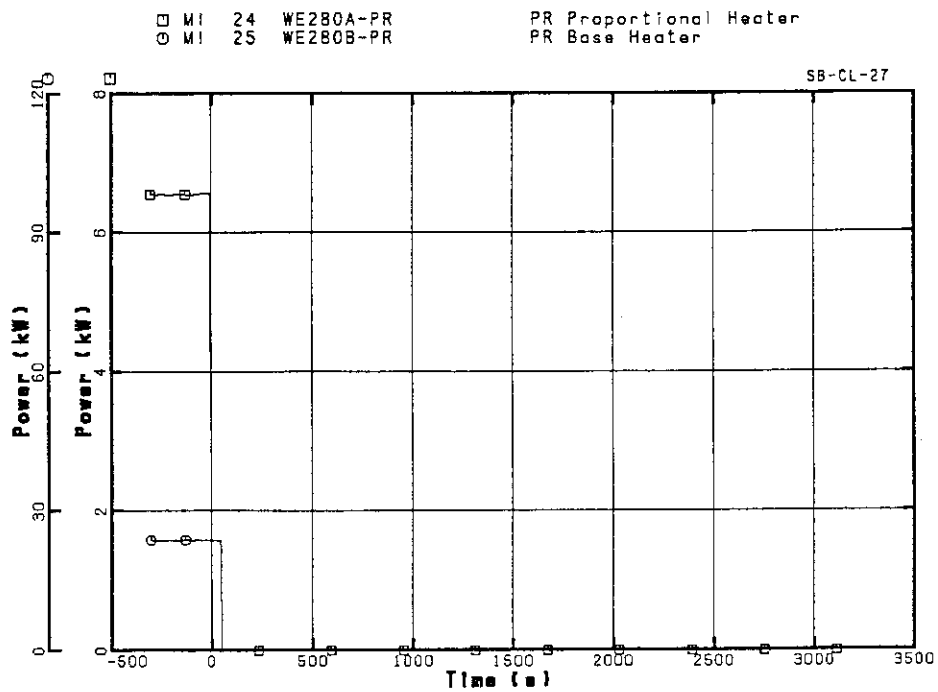


Fig. 4.5 Pressurizer Heater Powers

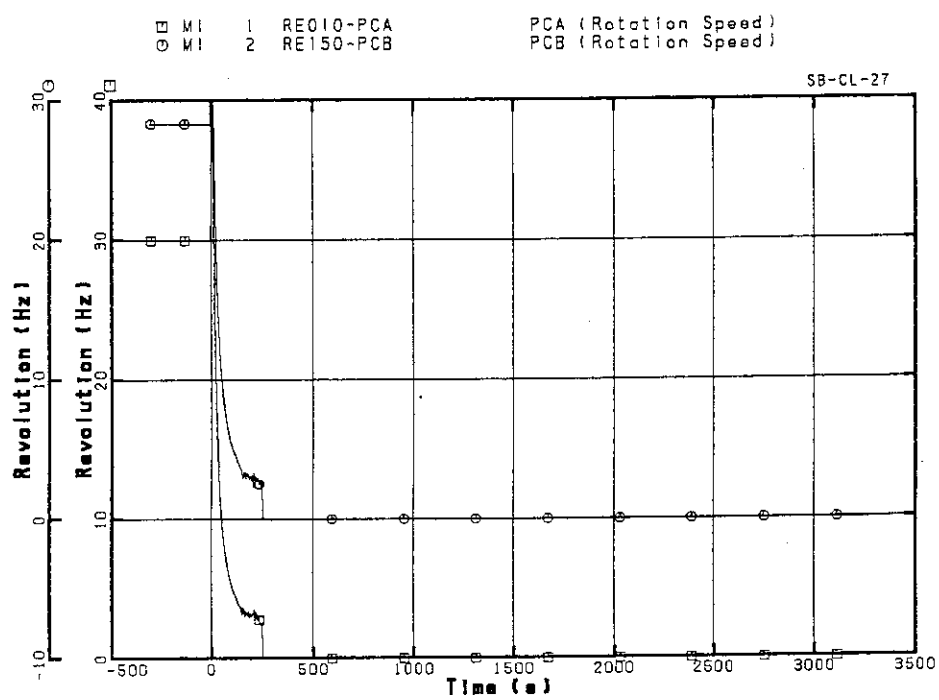


Fig. 4.6 Primary Coolant Pump Rotational Speeds

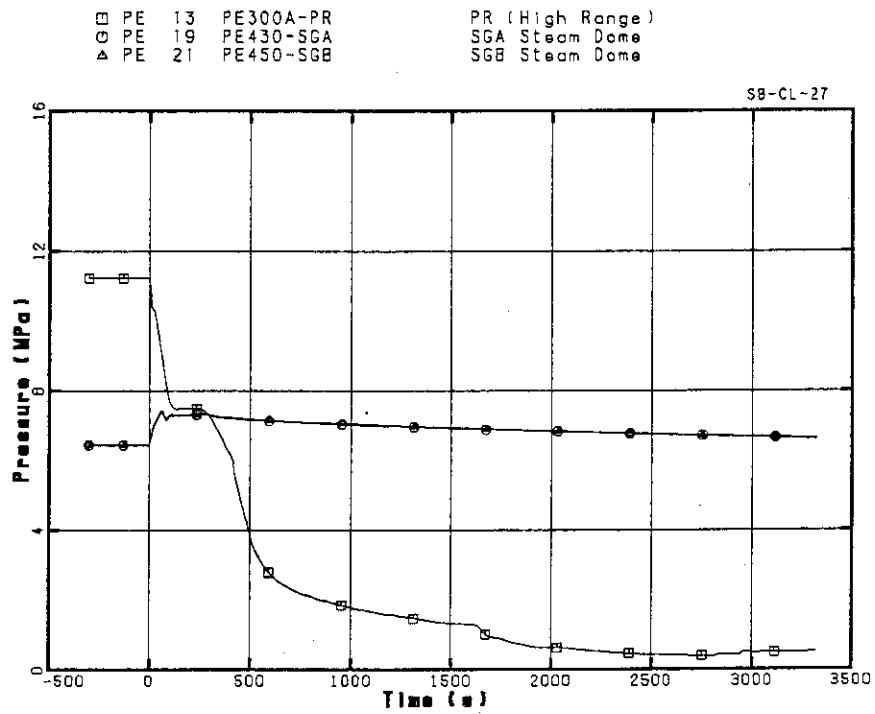


Fig. 5.1 Comparison between Primary and Secondary Pressures (1)

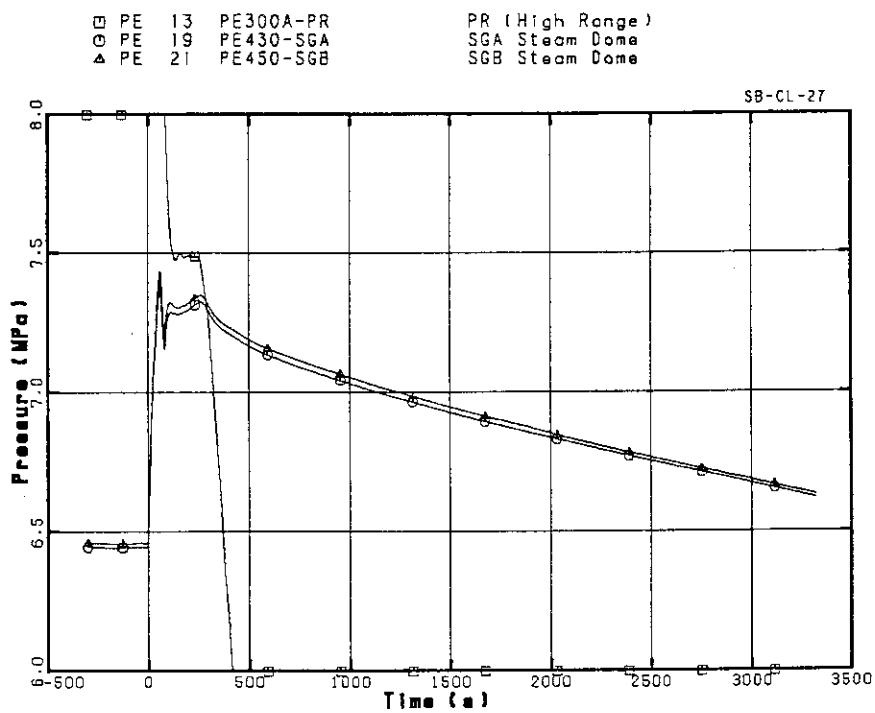


Fig. 5.2 Comparison between Primary and Secondary Pressures (2)

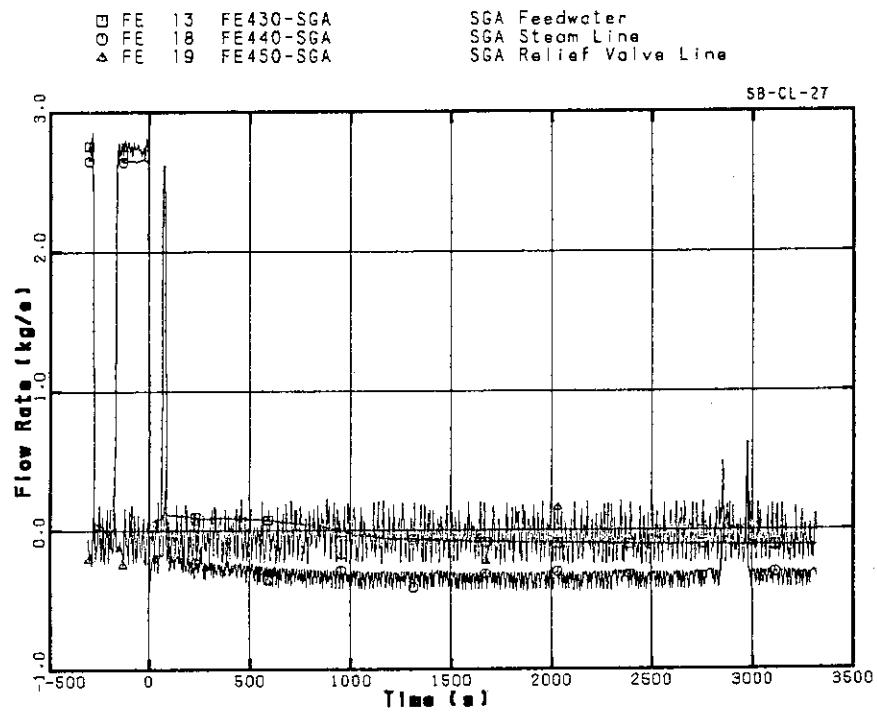


Fig. 5.3 SG-A Feedwater and Steam Flowrates

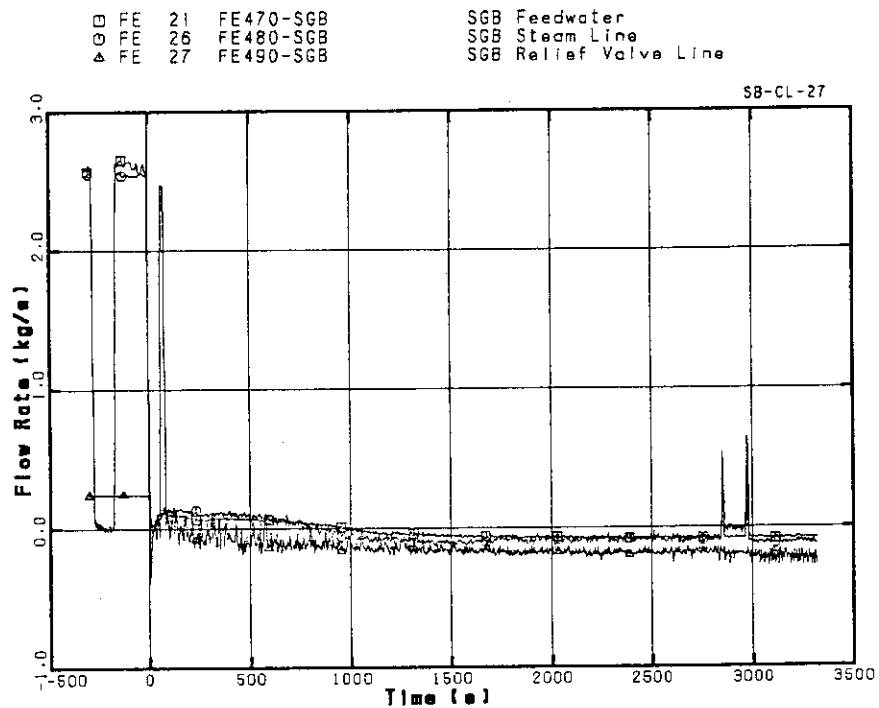


Fig. 5.4 SG-B Feedwater and Steam Flowrates

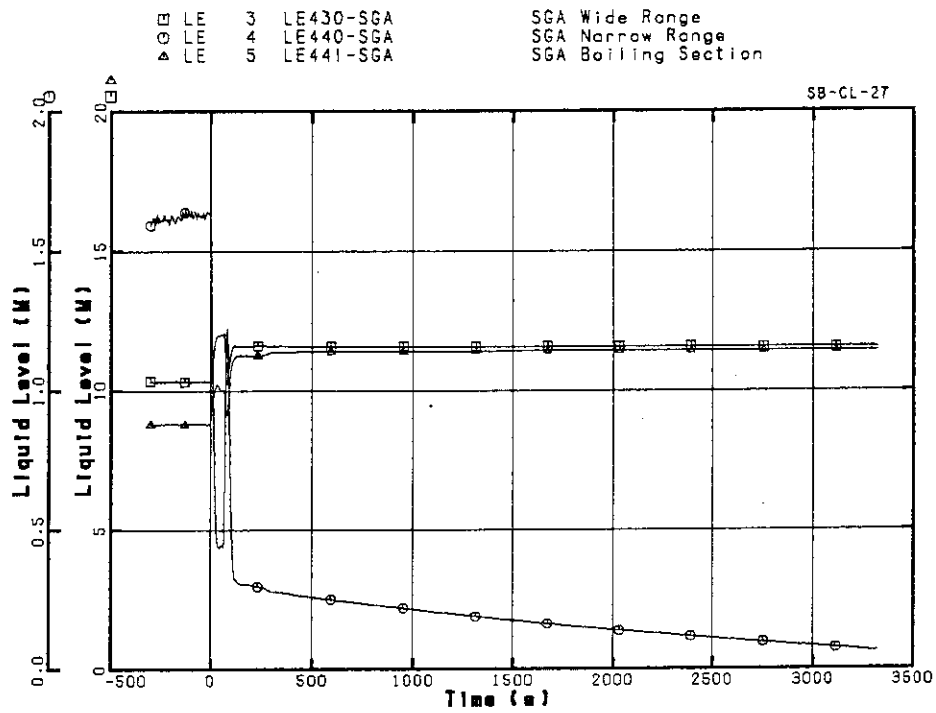


Fig. 5.5 SG-A Secondary Side Collapsed Water Levels

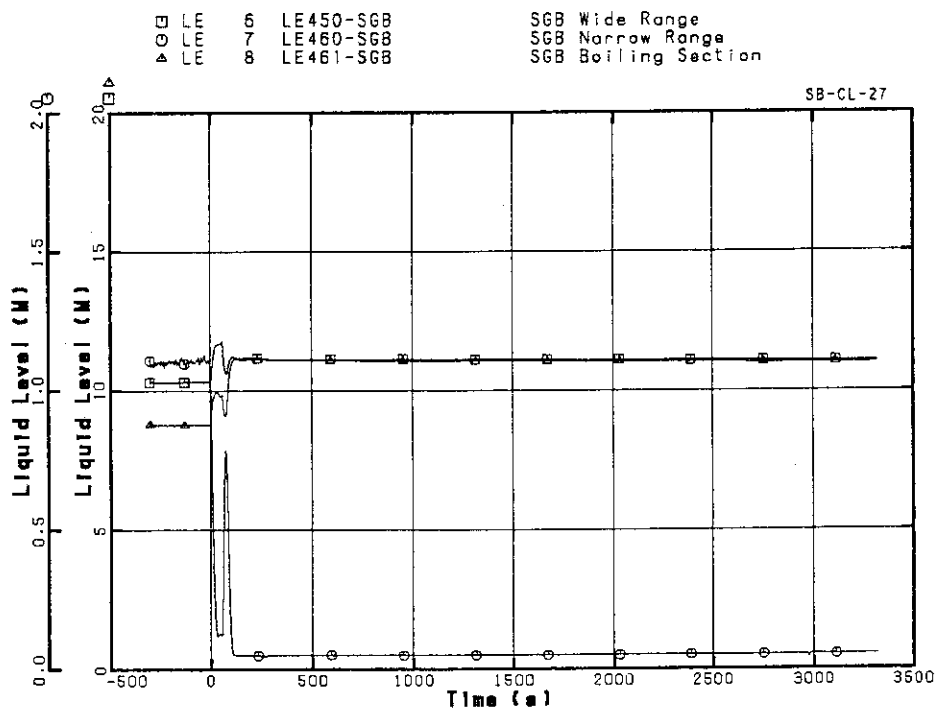


Fig. 5.6 SG-B Secondary Side Collapsed Water Levels

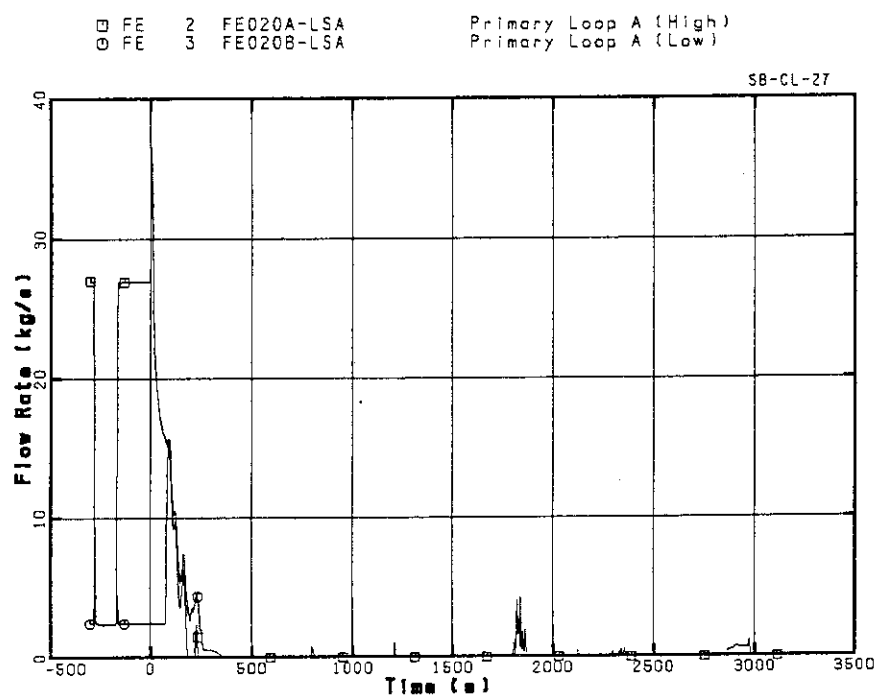


Fig. 5.7 Loop-A Pump Suction Leg Flowrate

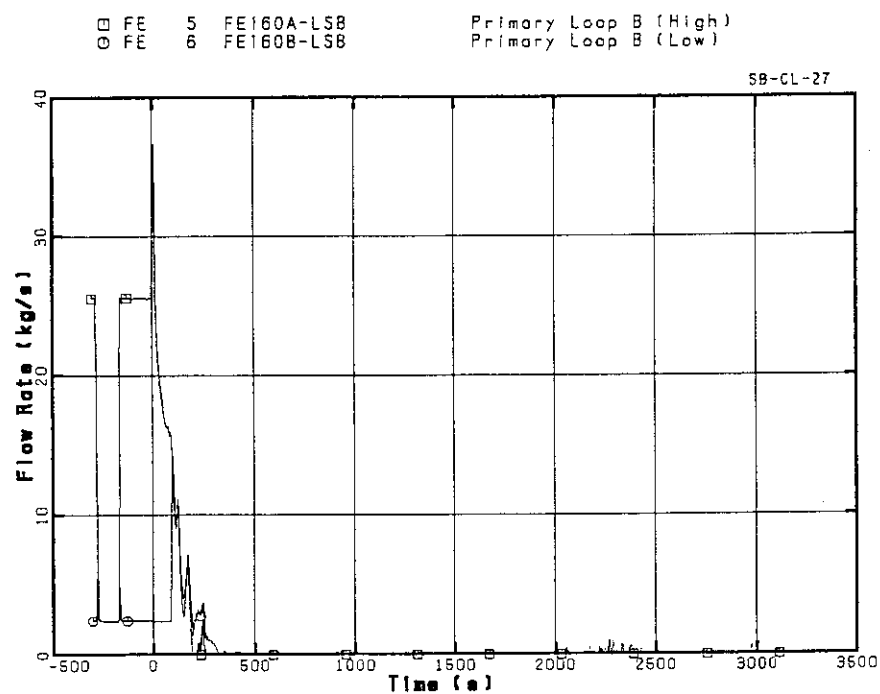


Fig. 5.8 Loop-B Pump Suction Leg Flowrate

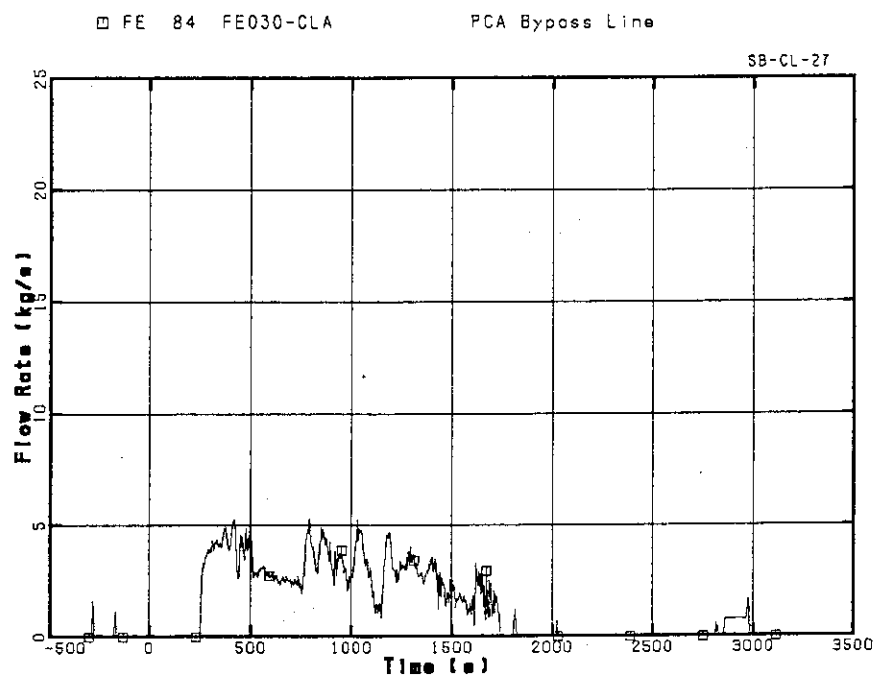


Fig. 5.9 Loop-A Pump Bypass Line Flowrates

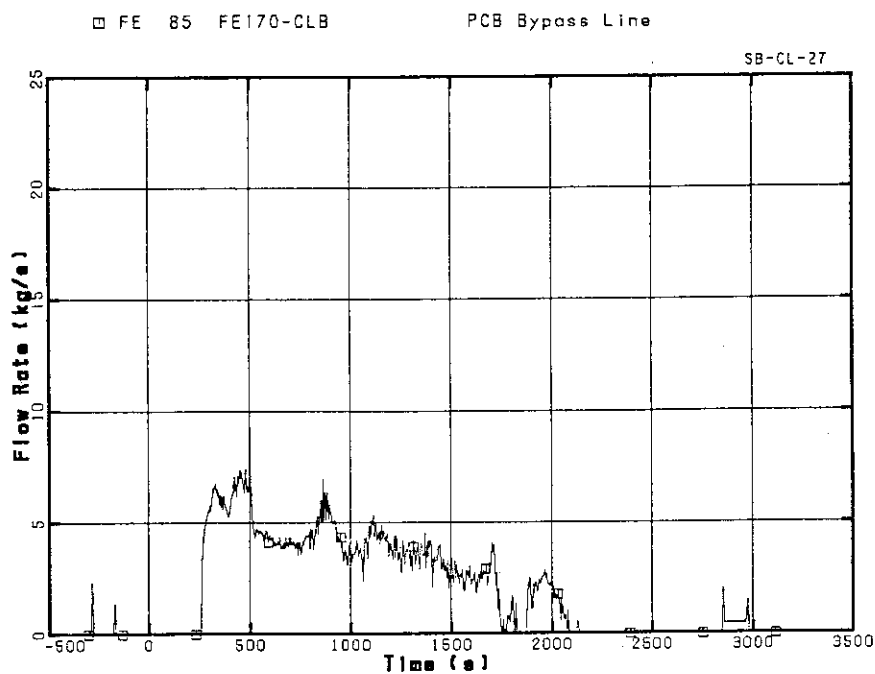


Fig. 5.10 Loop-B Pump Bypass Line Flowrates

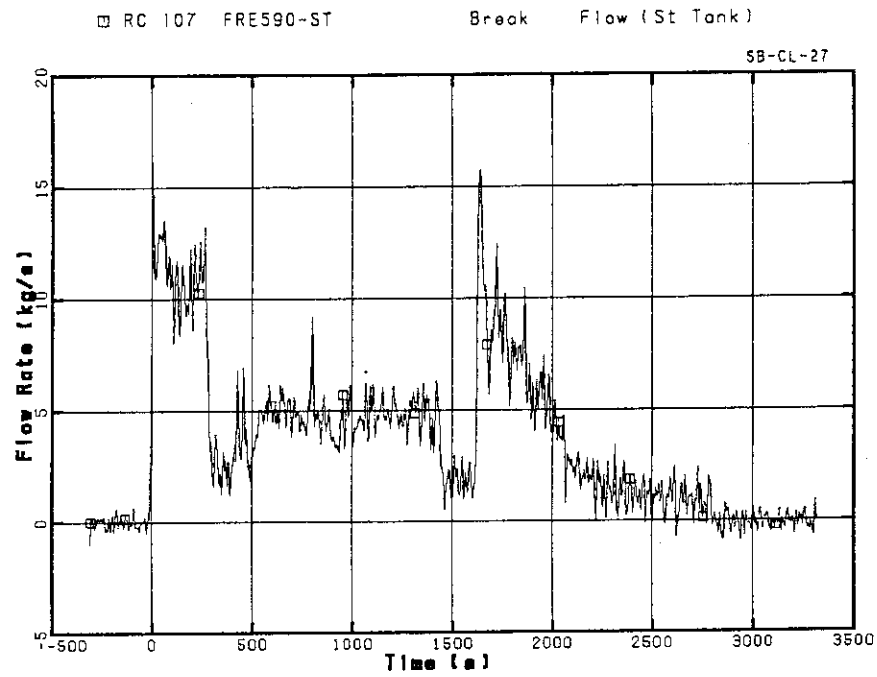


Fig. 5.11 Discharge Flowrates Calculated from Catch Tank Level Rise

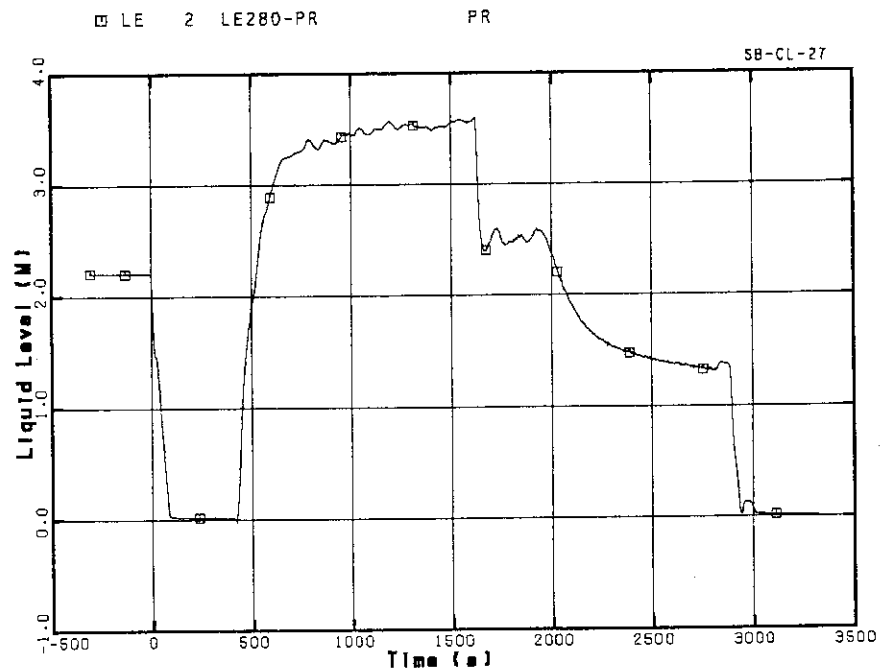


Fig. 5.12 Water Levels in Pressurizer

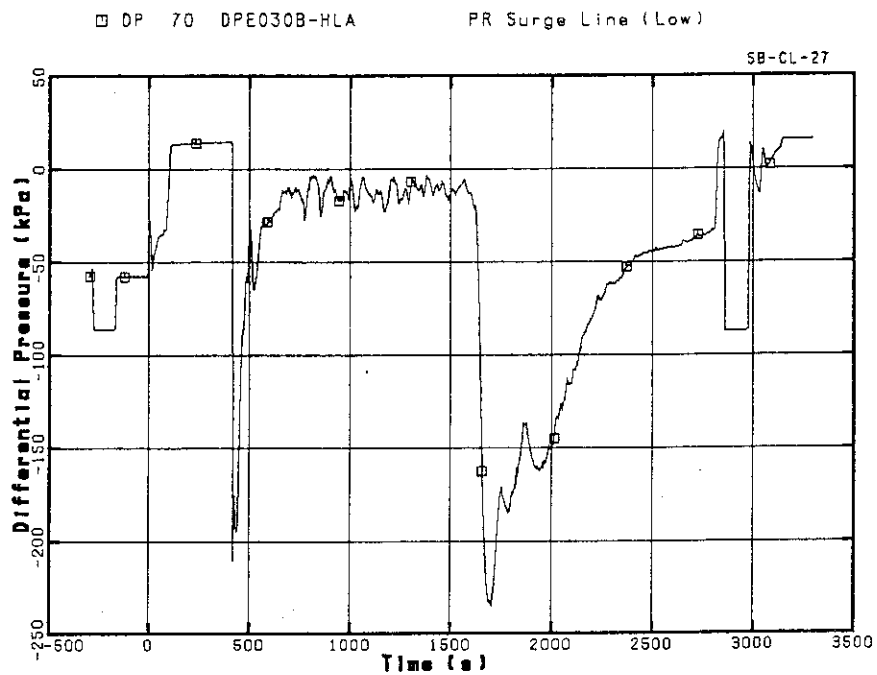


Fig. 5.13 Differential Pressures across Surge Line

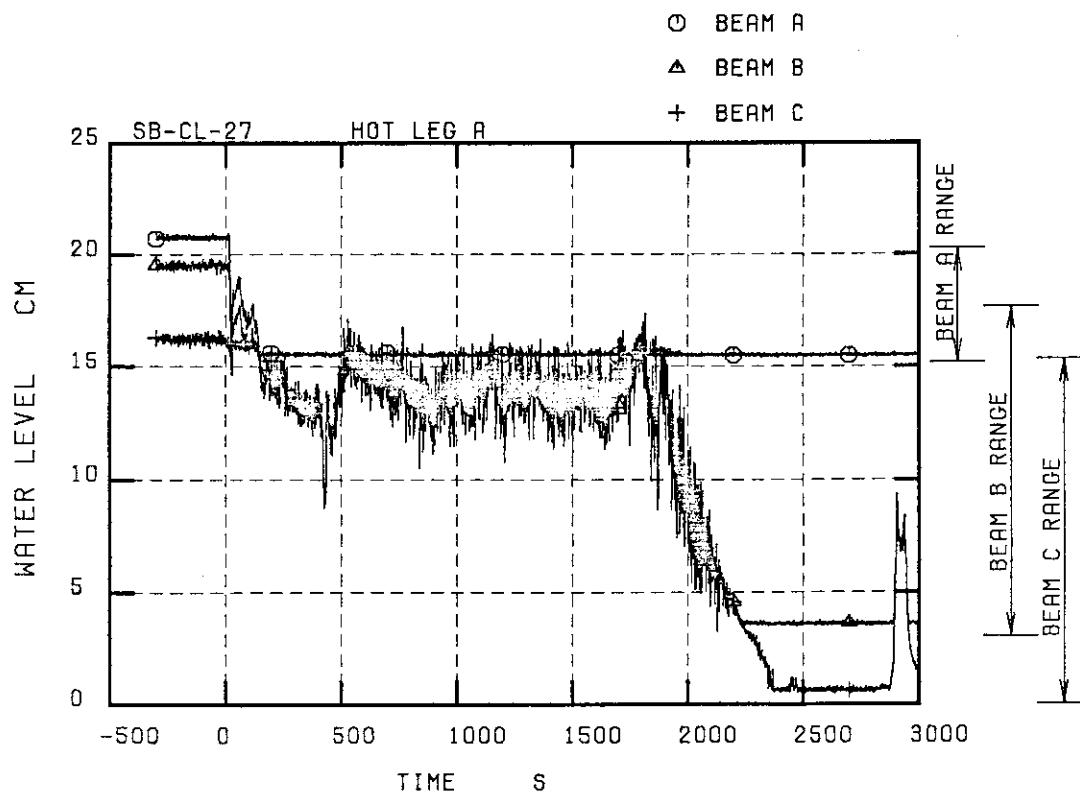


Fig. 5.14 Loop-A Hot Leg Water Levels

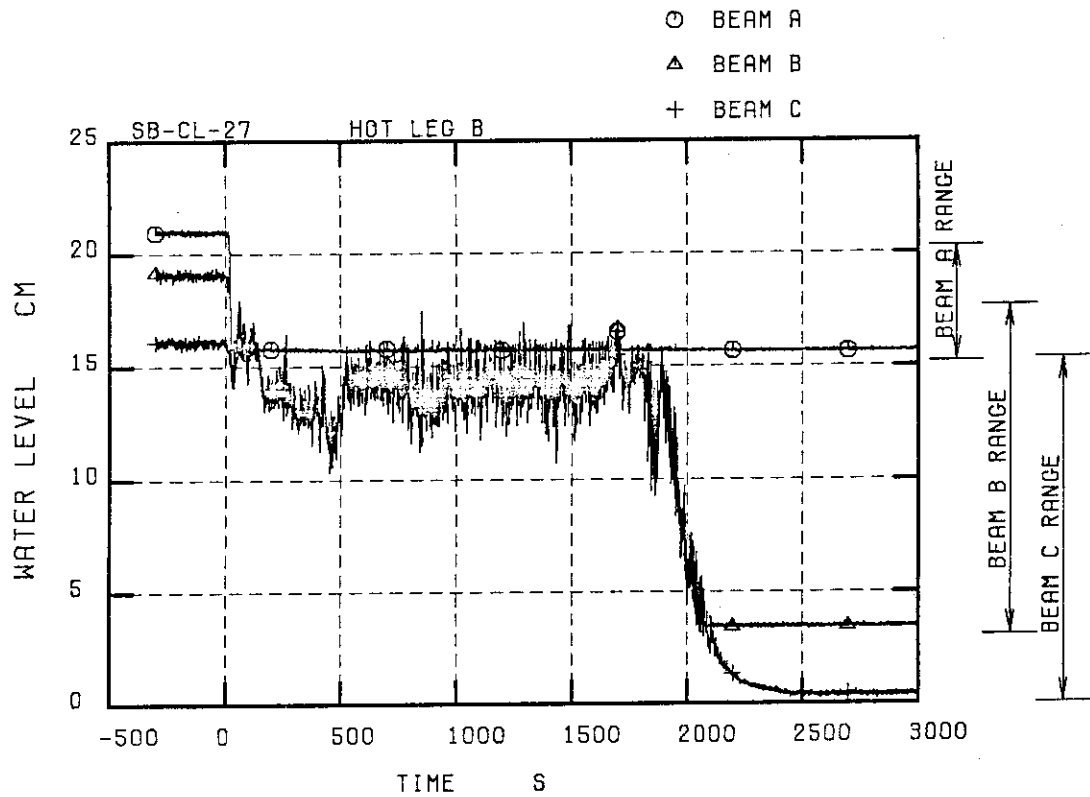


Fig. 5.15 Loop-B Hot Leg Water Levels

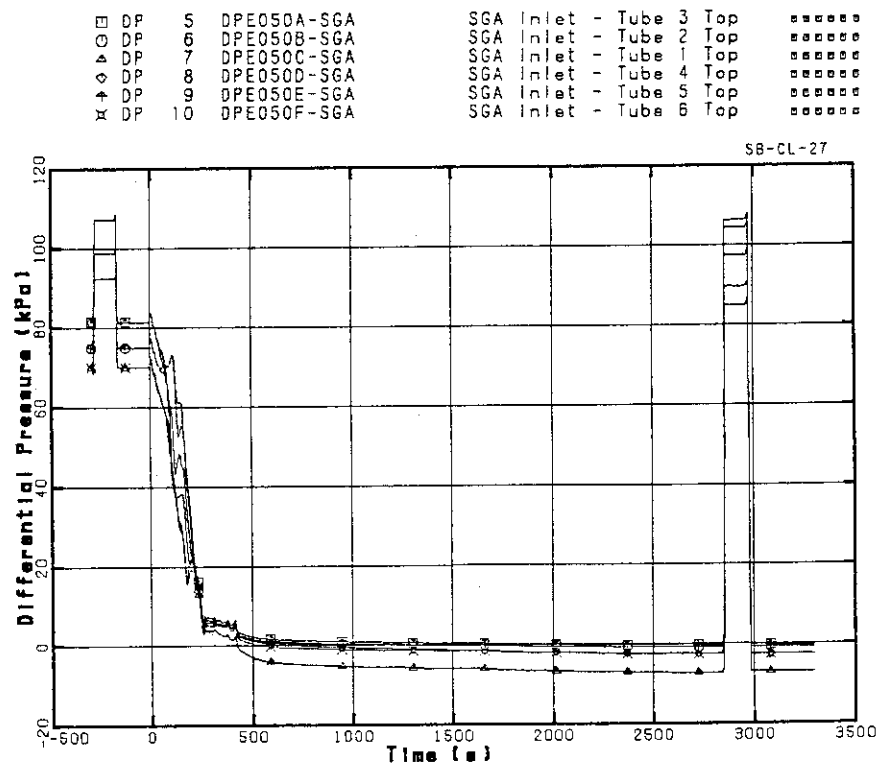


Fig. 5.16 SG-A Upflow-Side Differential Pressures

□	DP 11	DPE060A-SGA	SGA Outlet - Tube 3 Top	
△	DP 12	DPE060B-SGA	SGA Outlet - Tube 2 Top	
◇	DP 13	DPE060C-SGA	SGA Outlet - Tube 1 Top	
+	DP 14	DPE060D-SGA	SGA Outlet - Tube 4 Top	
×	DP 15	DPE060E-SGA	SGA Outlet - Tube 5 Top	
○	DP 16	DPE060F-SGA	SGA Outlet - Tube 6 Top	

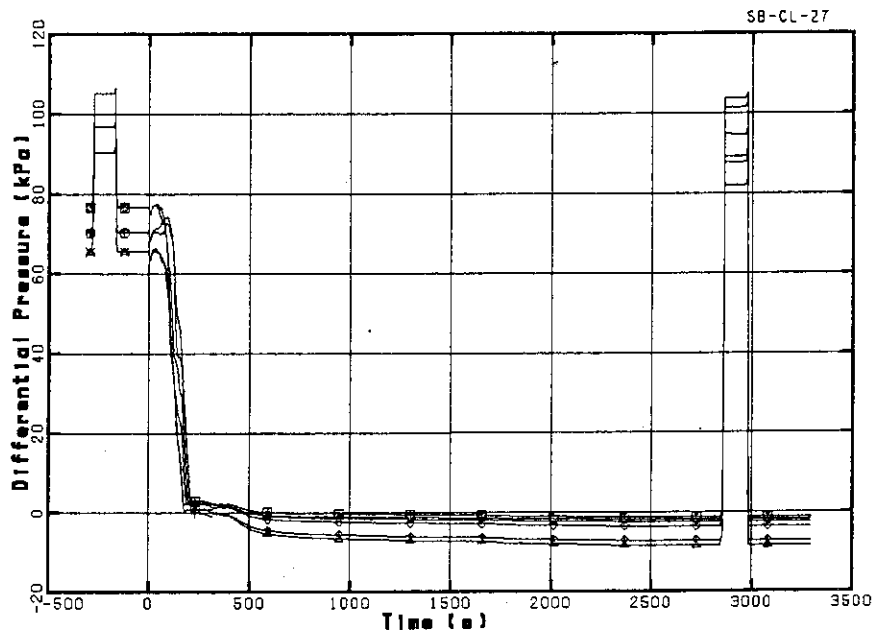


Fig. 5.17 SG-A Downflow-Side Differential Pressures

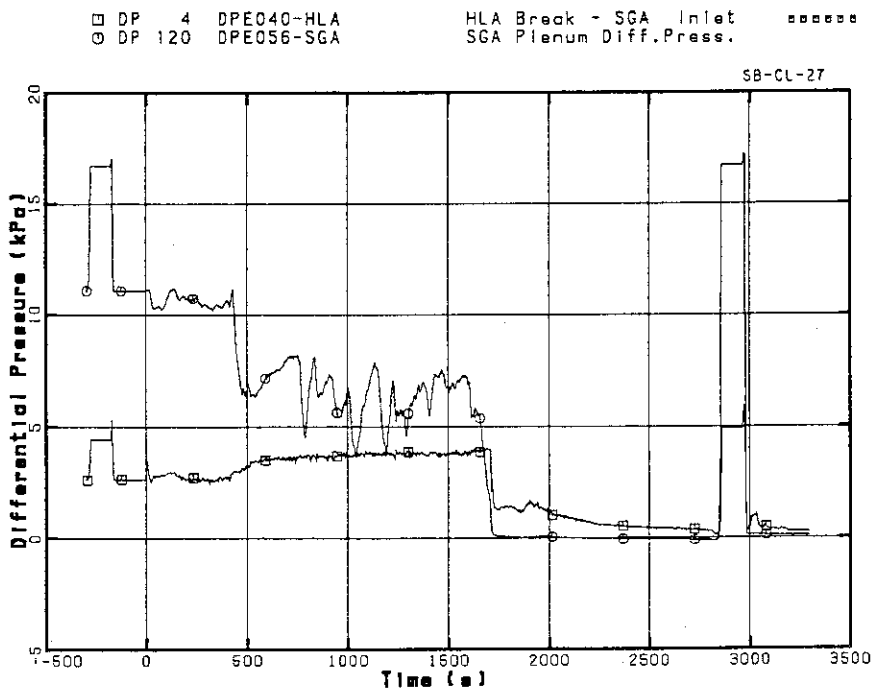


Fig. 5.18 Loop-A Hot Leg Riser Part and SG Inlet Plenum Differential Pressures

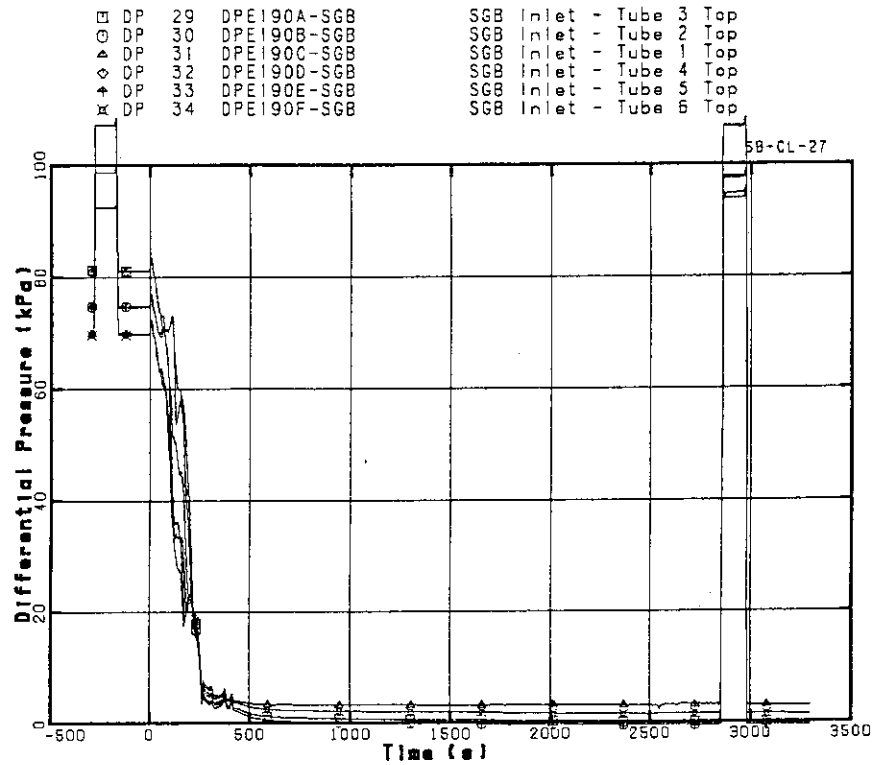


Fig. 5.19 SG-B Upflow-Side Differential Pressures

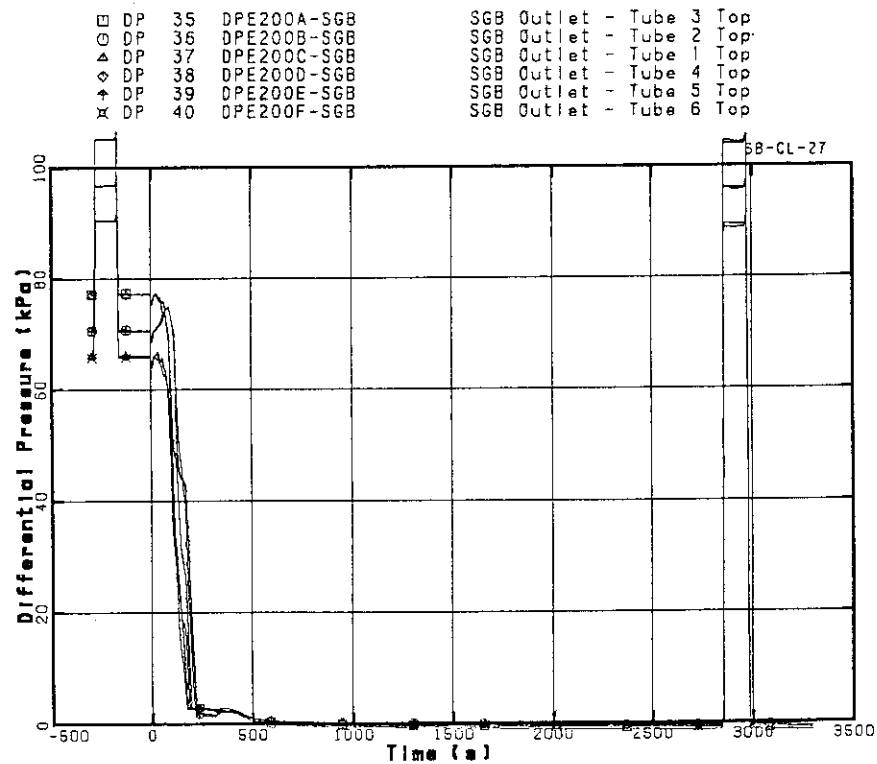


Fig. 5.20 SG-B Downflow-Side Differential Pressures

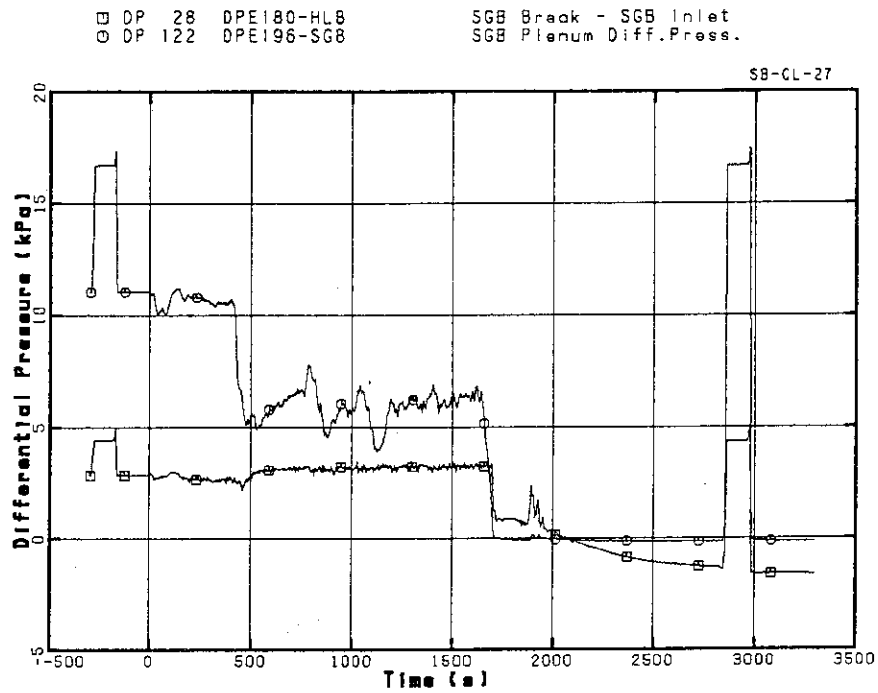


Fig. 5.21 Loop-B Hot Leg Riser Part and SG Inlet Plenum Differential Pressures

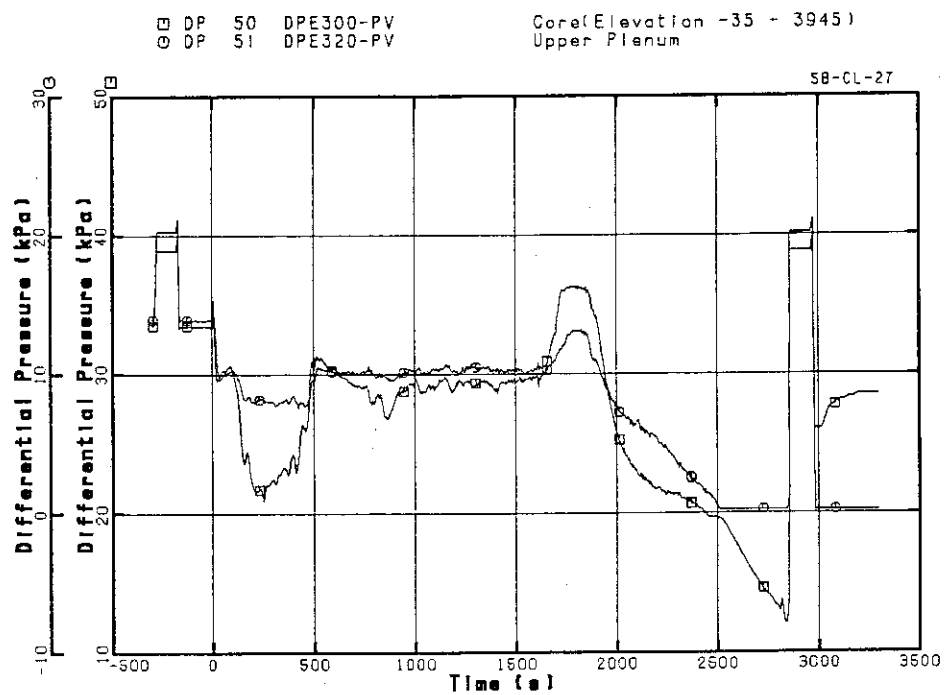


Fig. 5.22 Core and Upper Plenum Differential Pressures

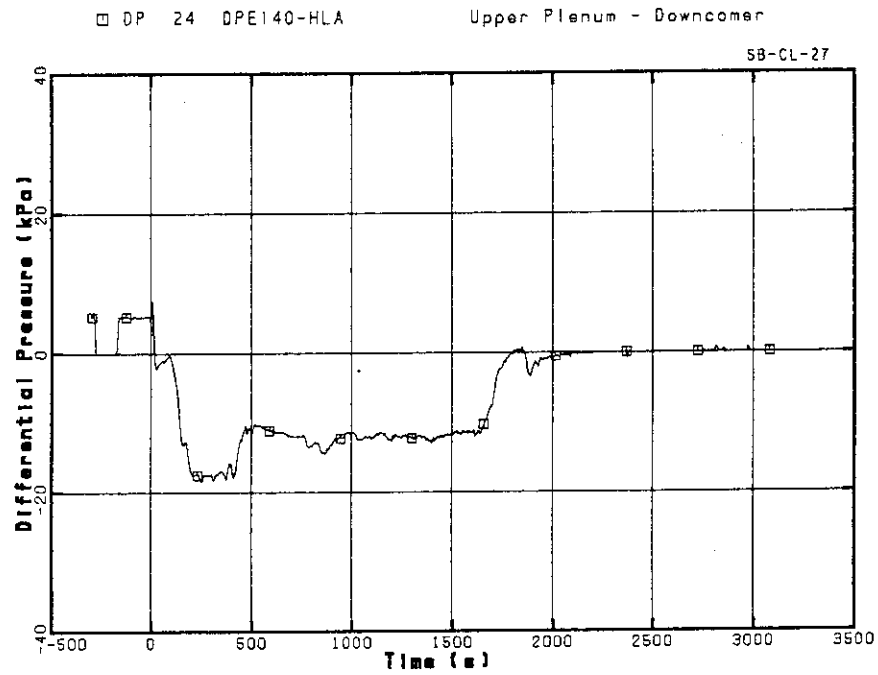


Fig. 5.23 Upper Plenum-to-Downcomer Differential Pressures

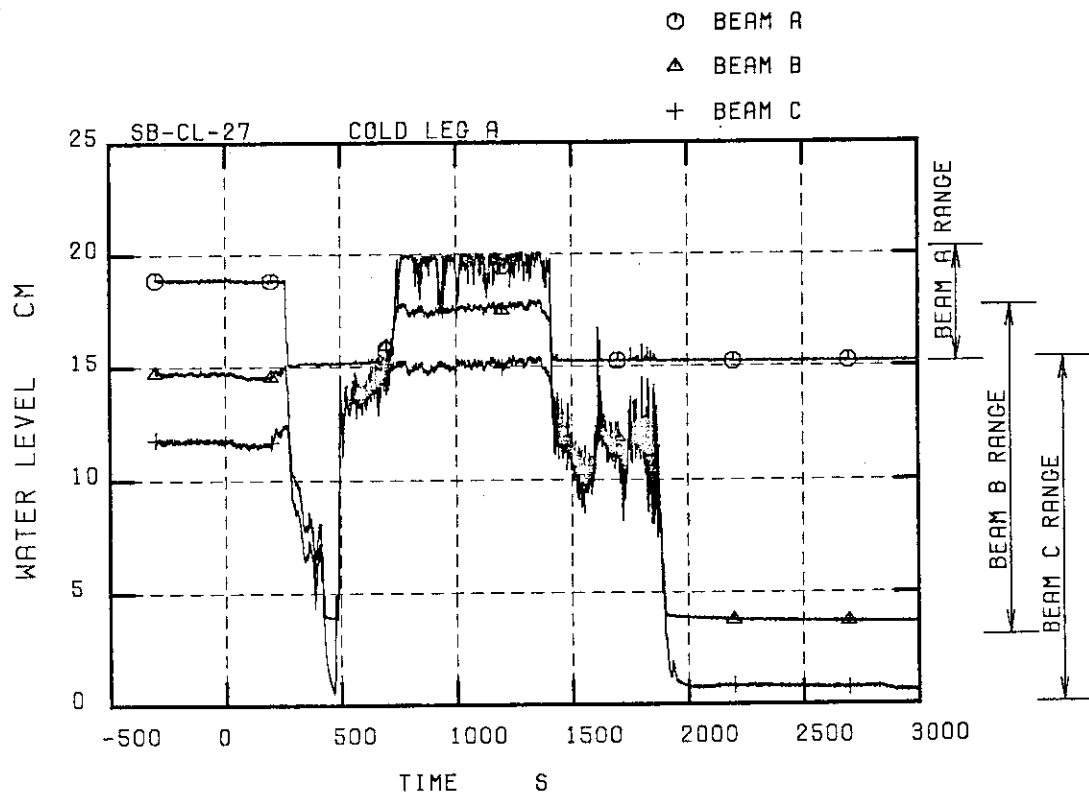


Fig. 5.24 Loop-A Cold Leg Water Levels

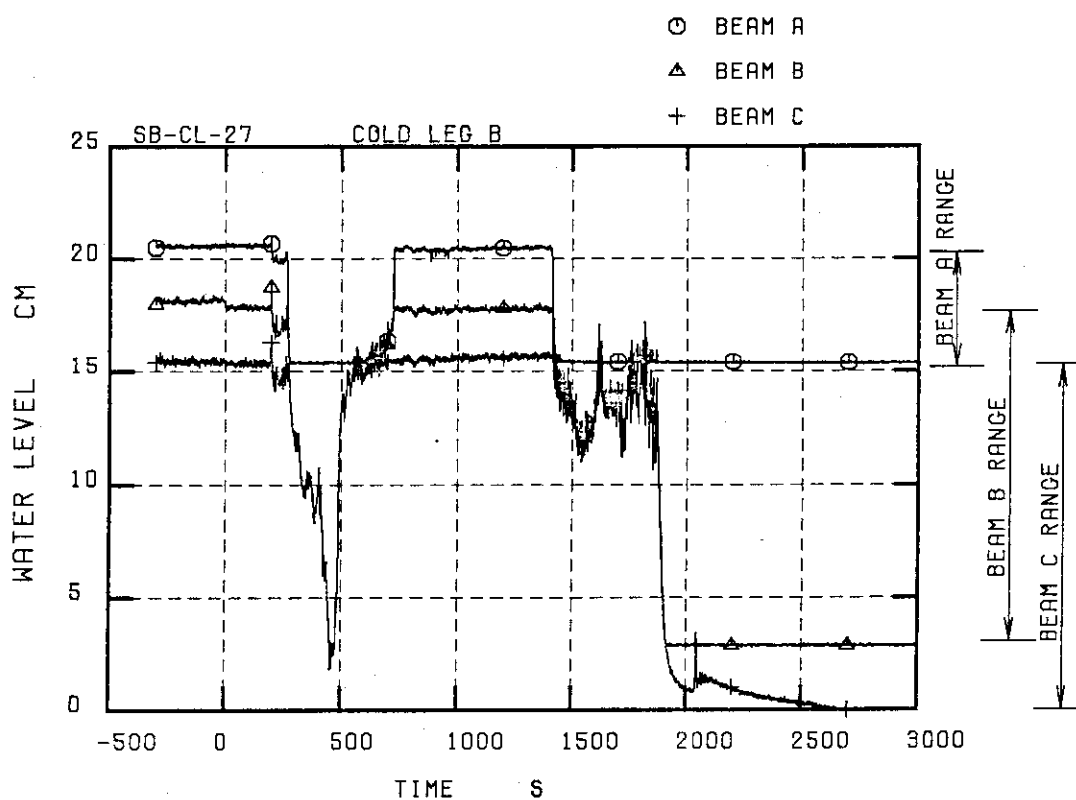


Fig. 5.25 Loop-B Cold Leg Water Levels

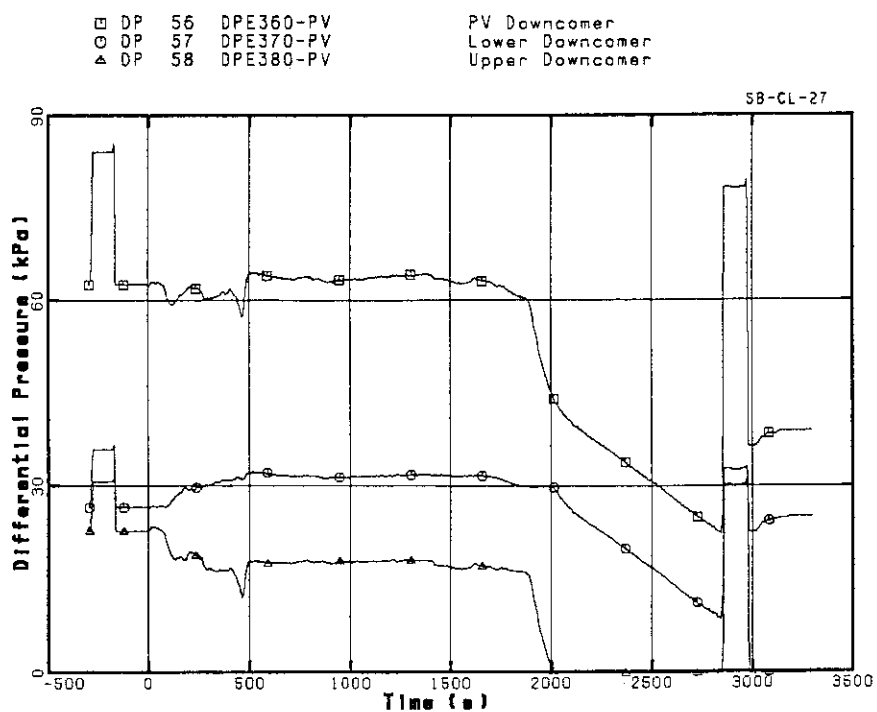


Fig. 5.26 Downcomer Differential Pressures

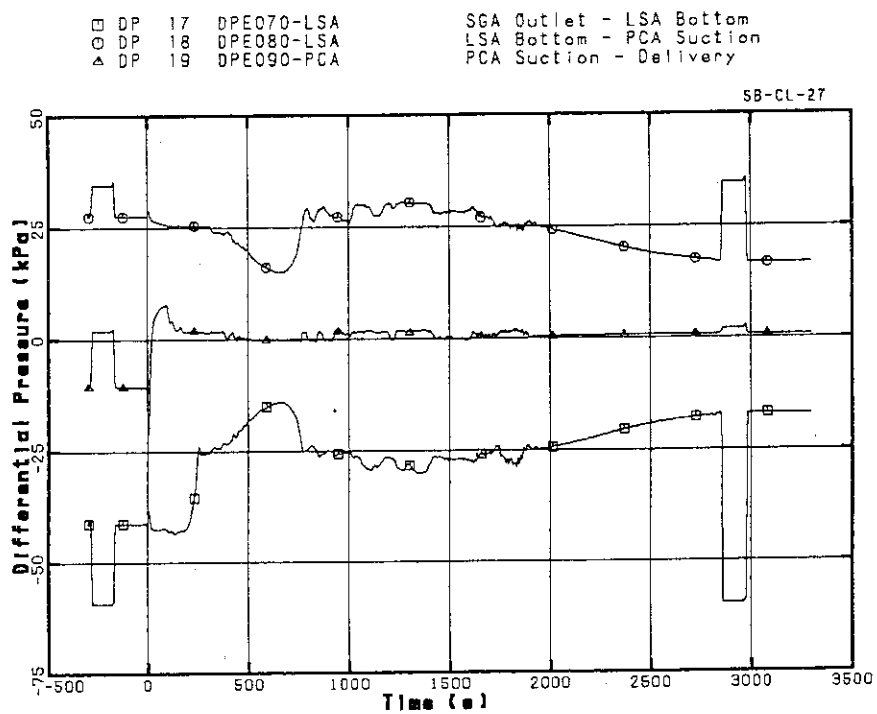


Fig. 5.27 Loop-A Loop Seal Differential Pressures

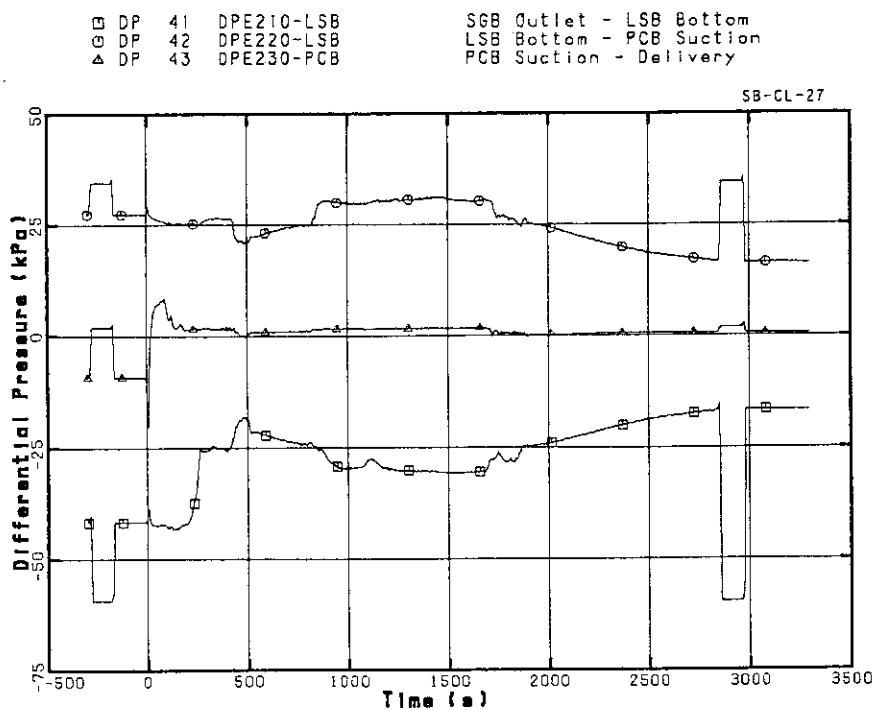


Fig. 5.28 Loop-B Loop Seal Differential Pressures

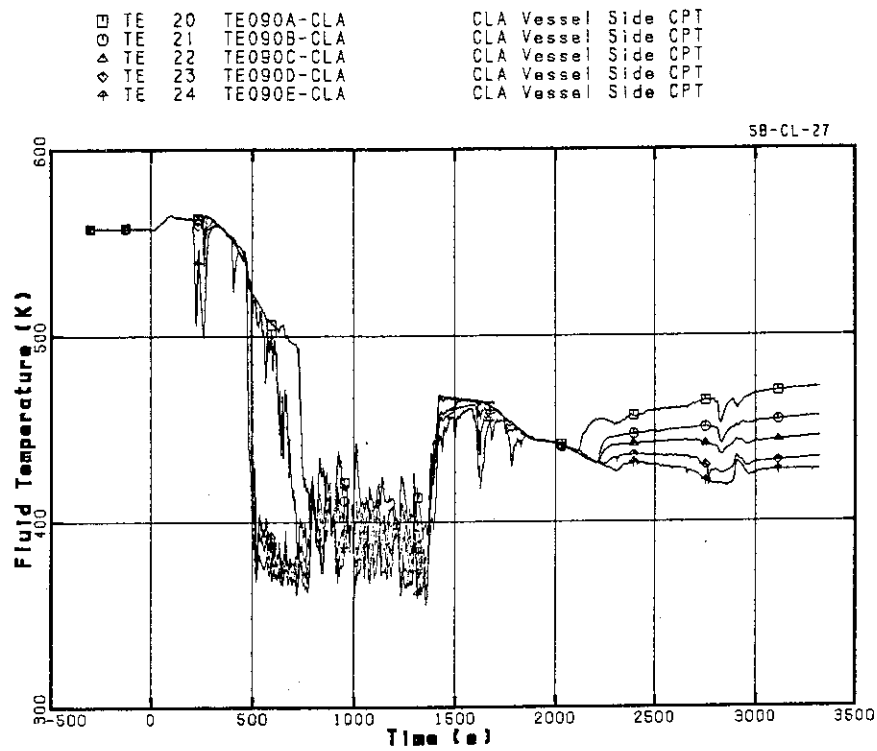


Fig. 5.29 Loop-A Cold Leg Fluid Temperature

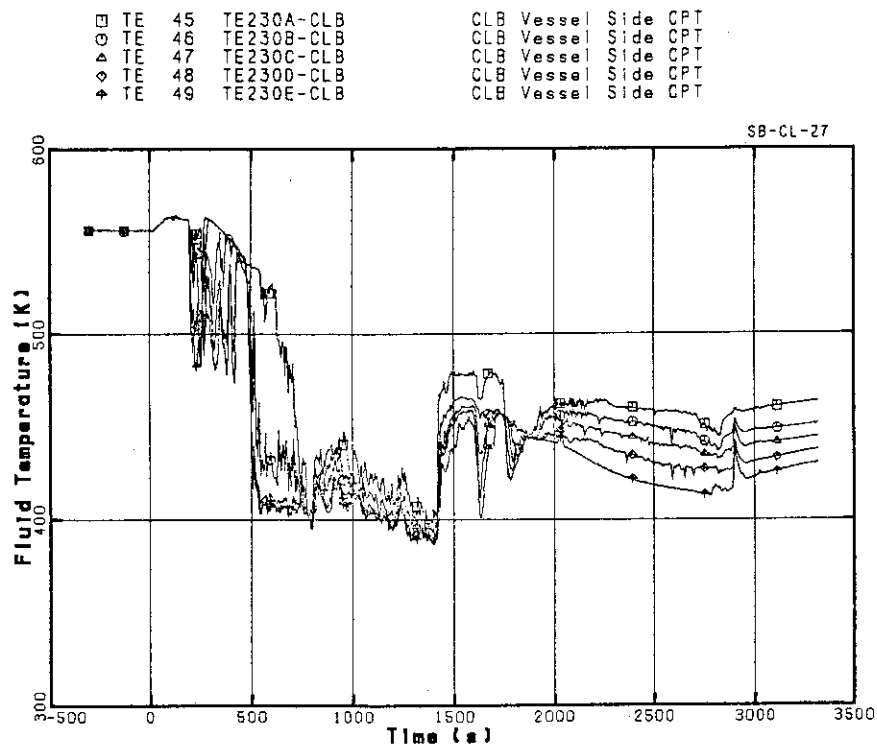


Fig. 5.30 Loop-B Cold Leg Fluid Temperature

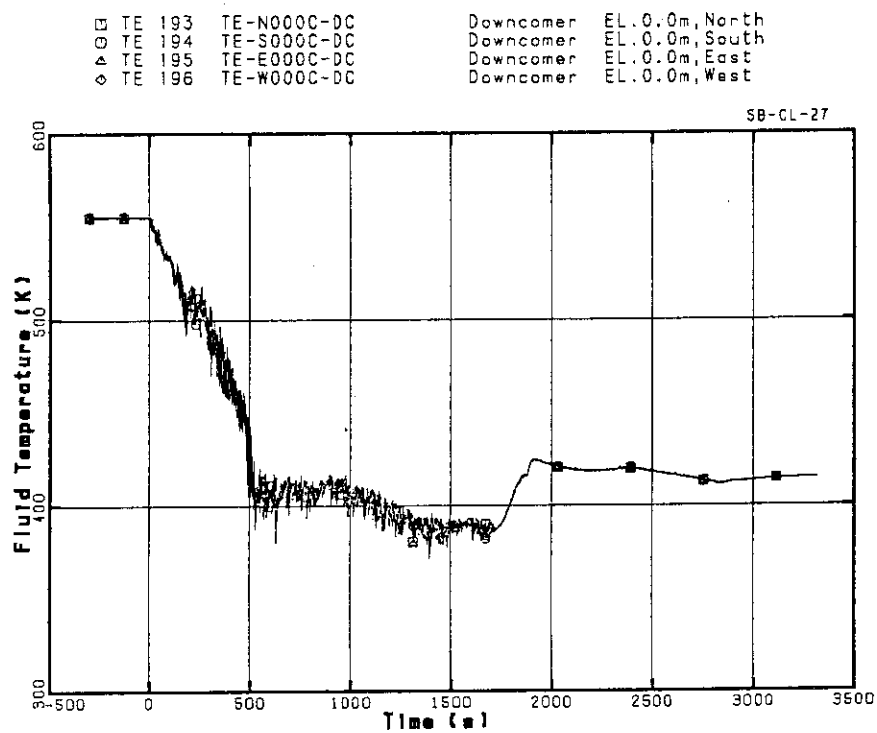


Fig. 5.31 Downcomer Fluid Temperatures (1/4)

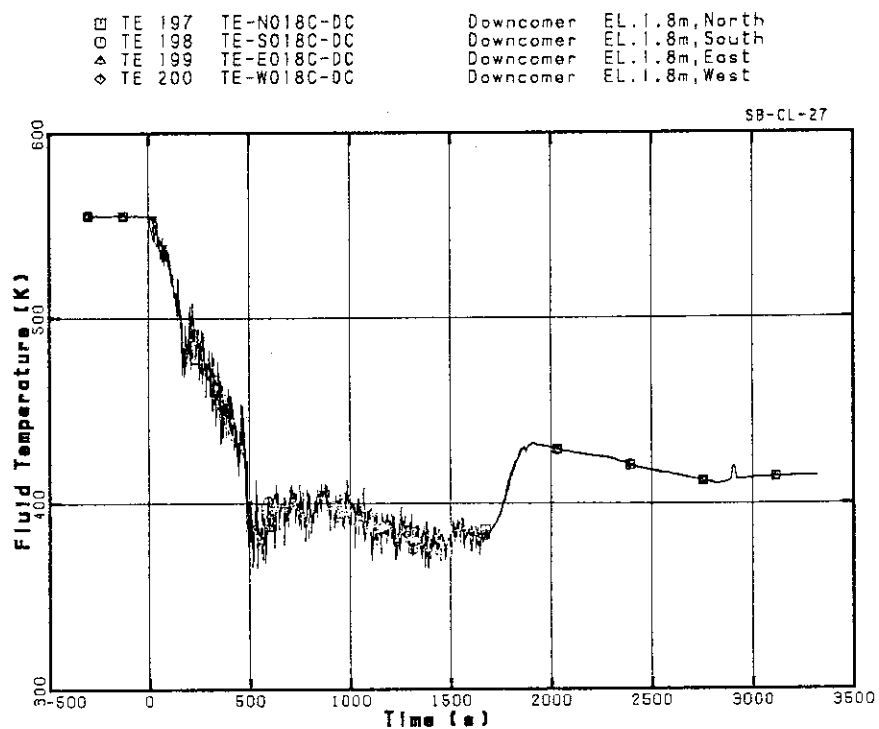


Fig. 5.32 Downcomer Fluid Temperatures (2/4)

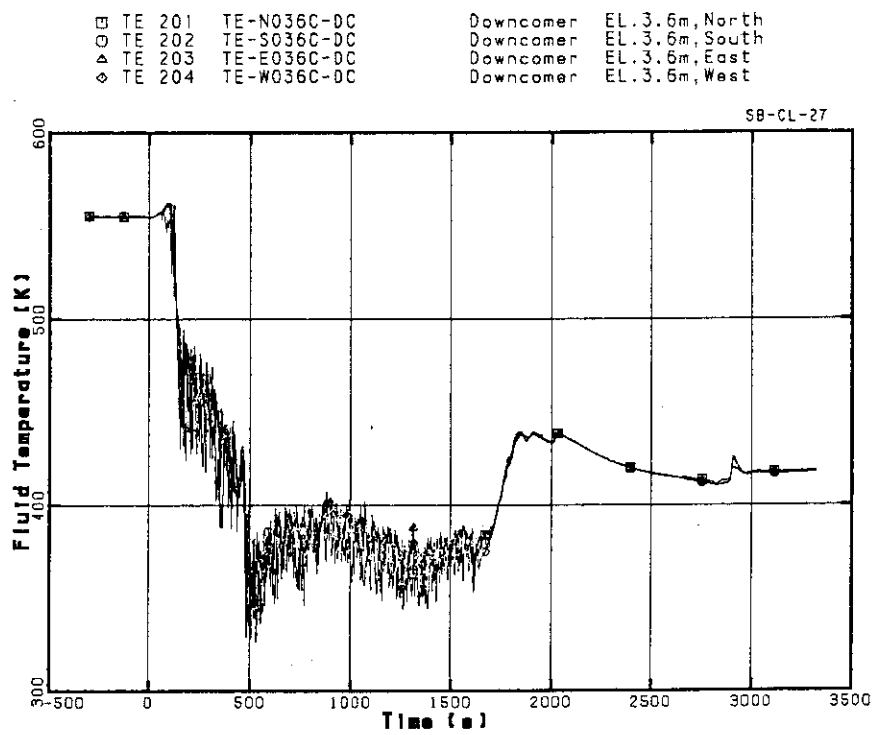


Fig. 5.33 Downcomer Fluid Temperatures (3/4)

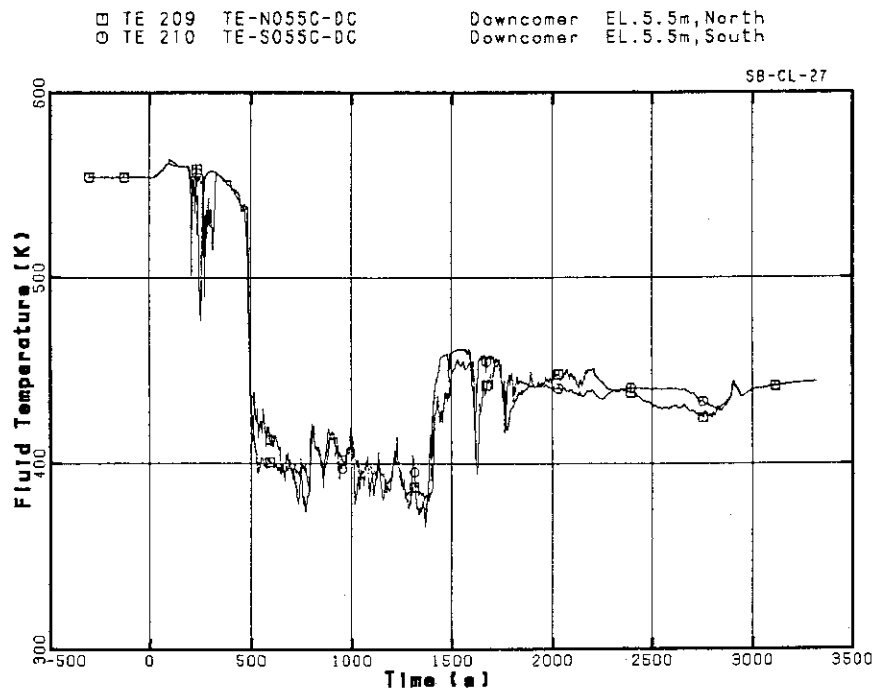


Fig. 5.34 Downcomer Fluid Temperatures (4/4)

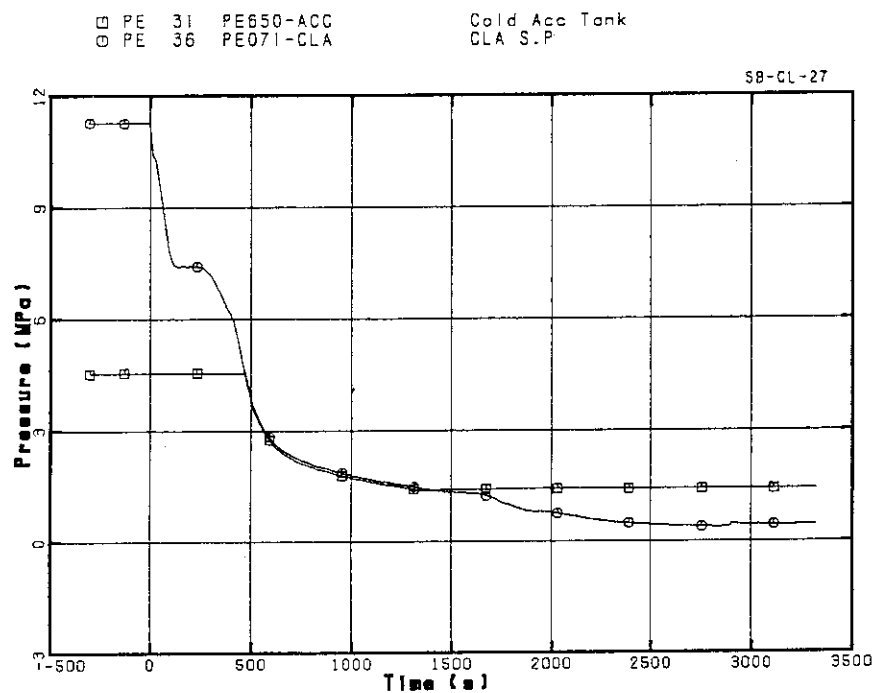


Fig. 5.35 Primary and ACC Tank Pressures

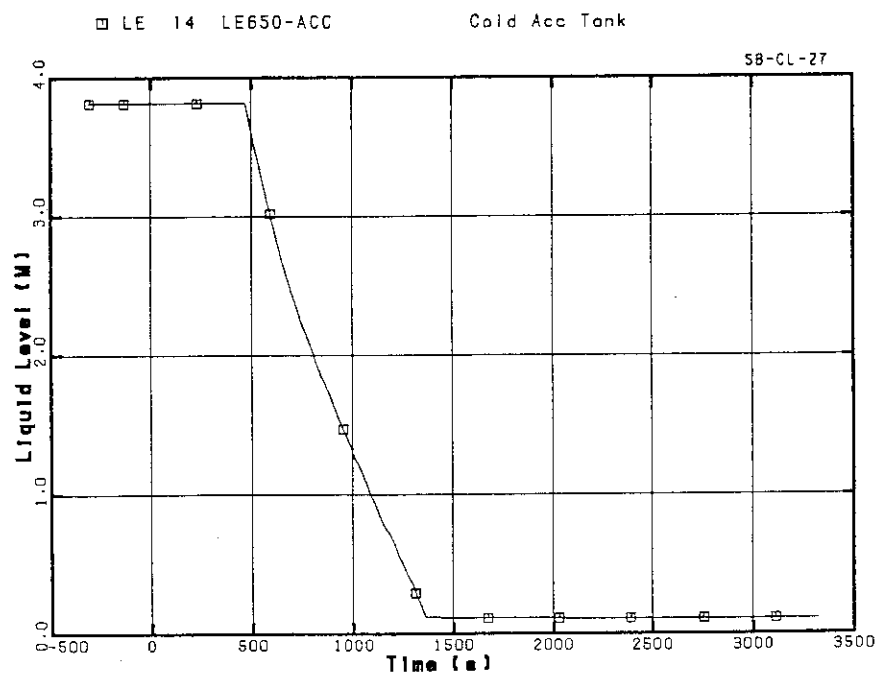


Fig. 5.36 ACC Tank Levels

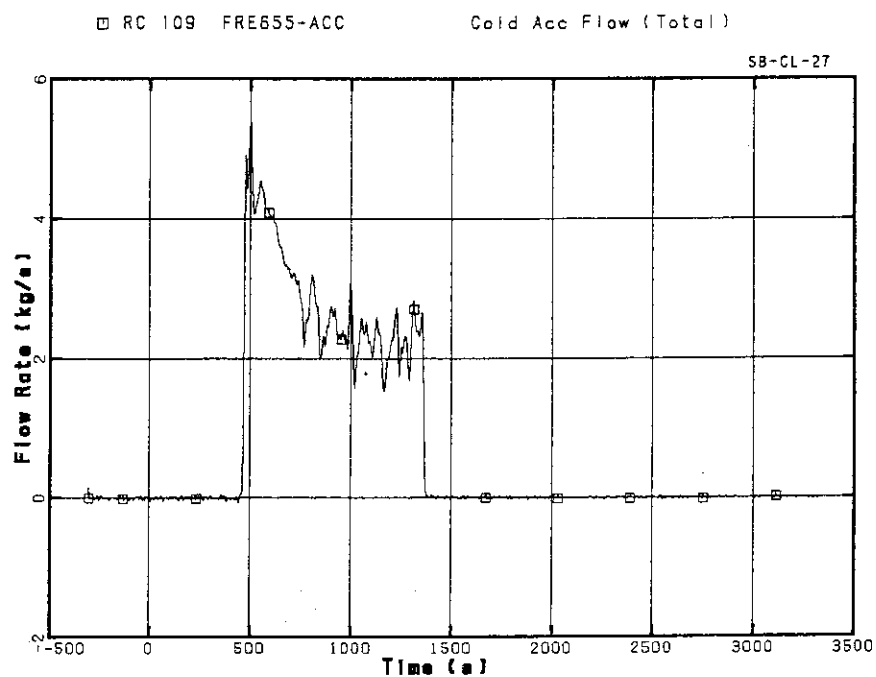


Fig. 5.37 ACC Injection Flowrates

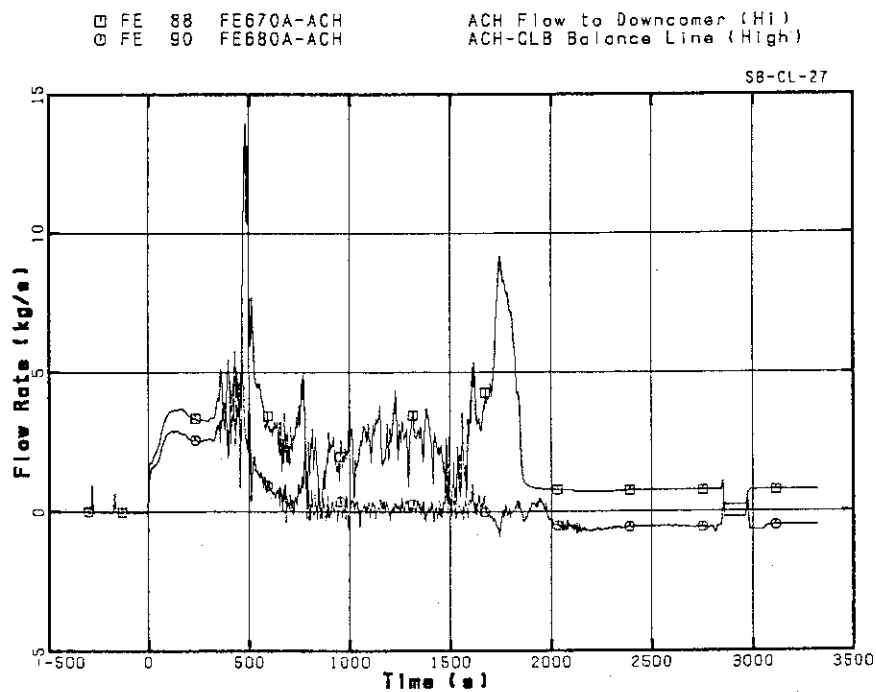


Fig. 5.38 Mass Flowrates in Cold Leg-PBL and DVI Line

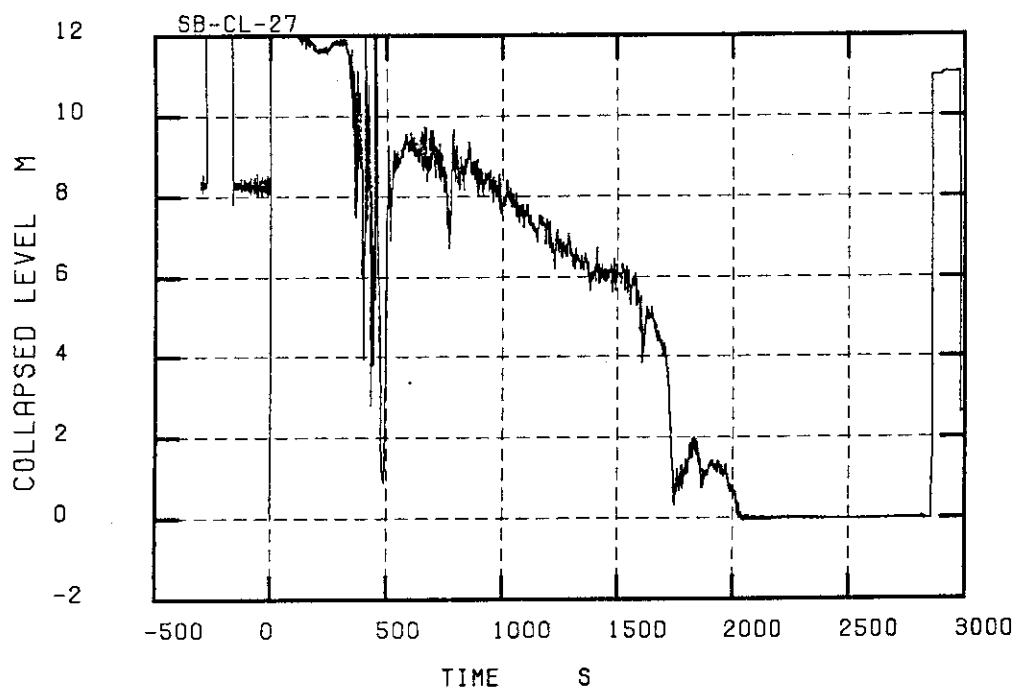


Fig. 5.39 Collapsed Water Level in Cold Leg-PBL

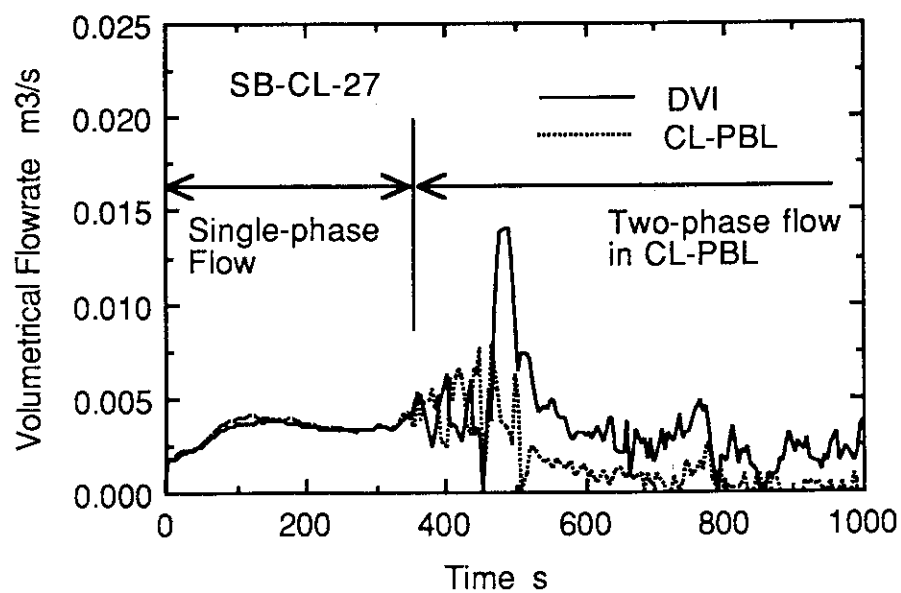


Fig. 5.40 Volumetrical Flowrates in Cold Leg-PBL and DVI Line

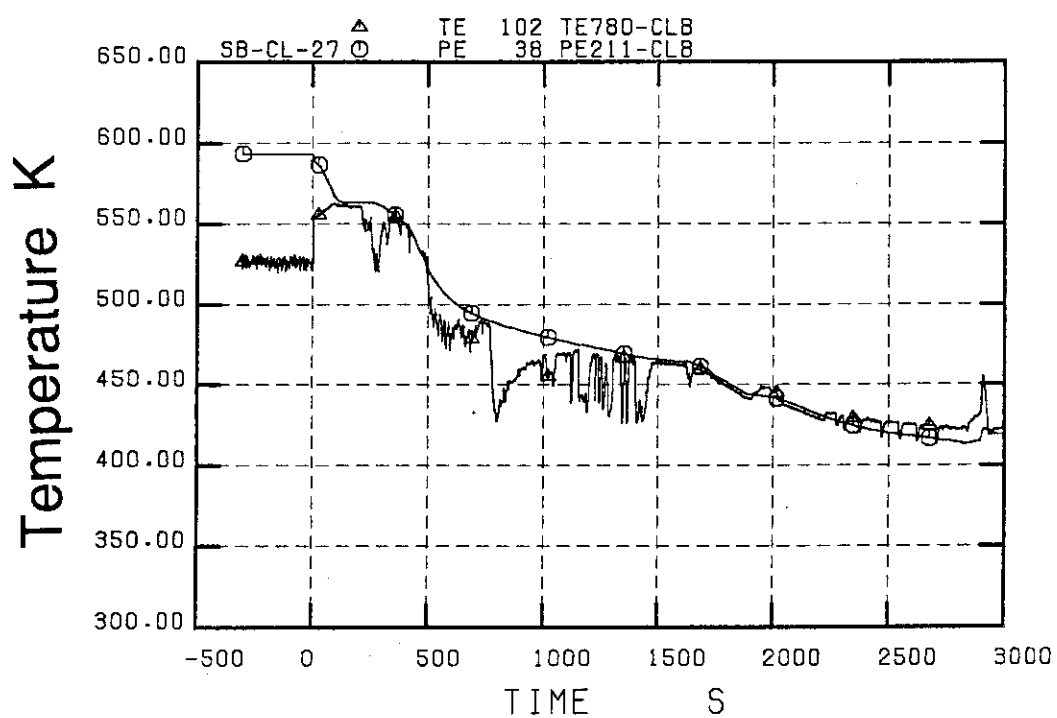


Fig. 5.41 Comparison of Saturation Temperatures and Fluid Temperatures at Cold Leg Nozzle for Cold Leg-PBL

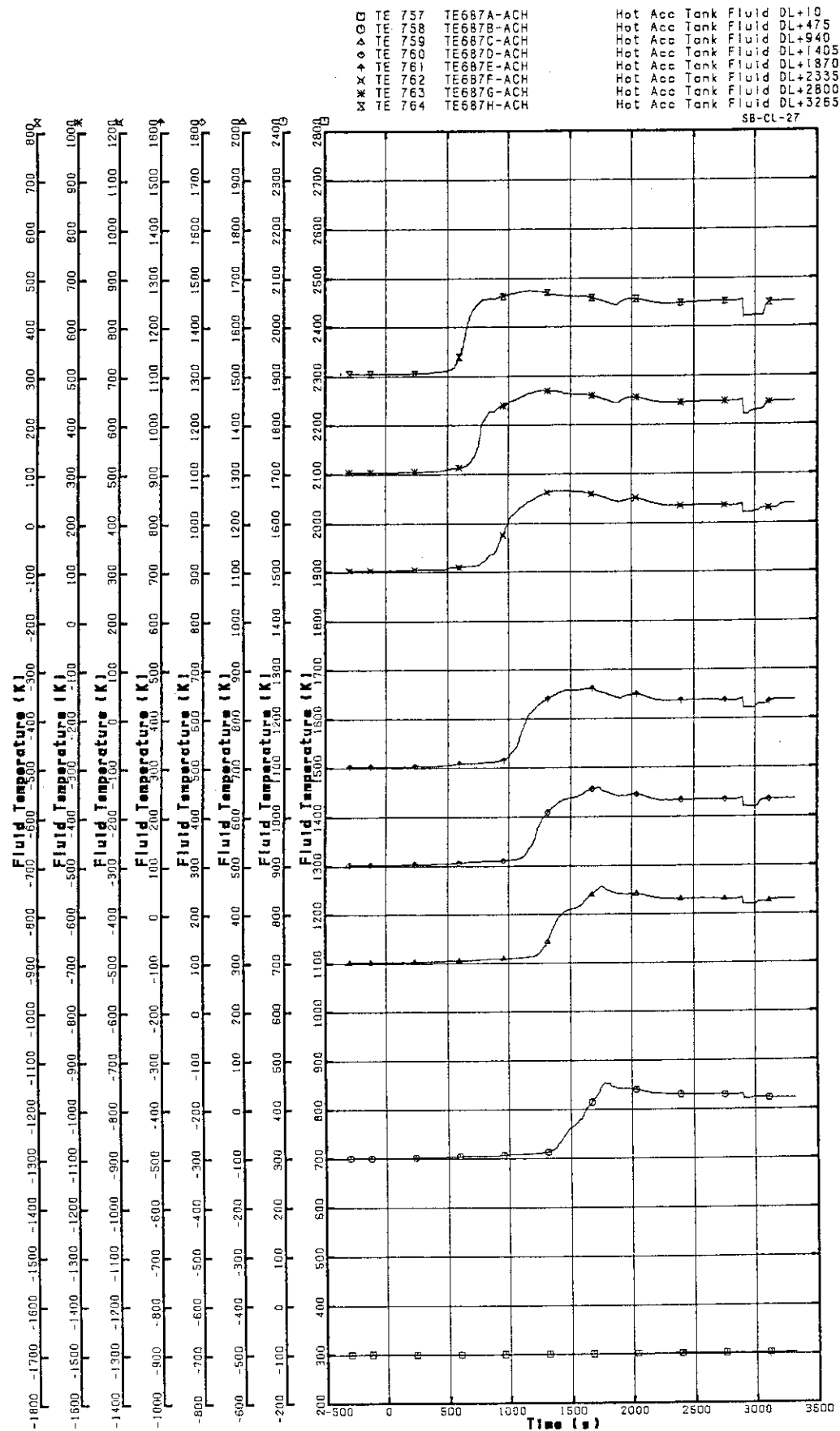


Fig. 5.42 Fluid Temperatures in ACC-Hot Tank (1/3)

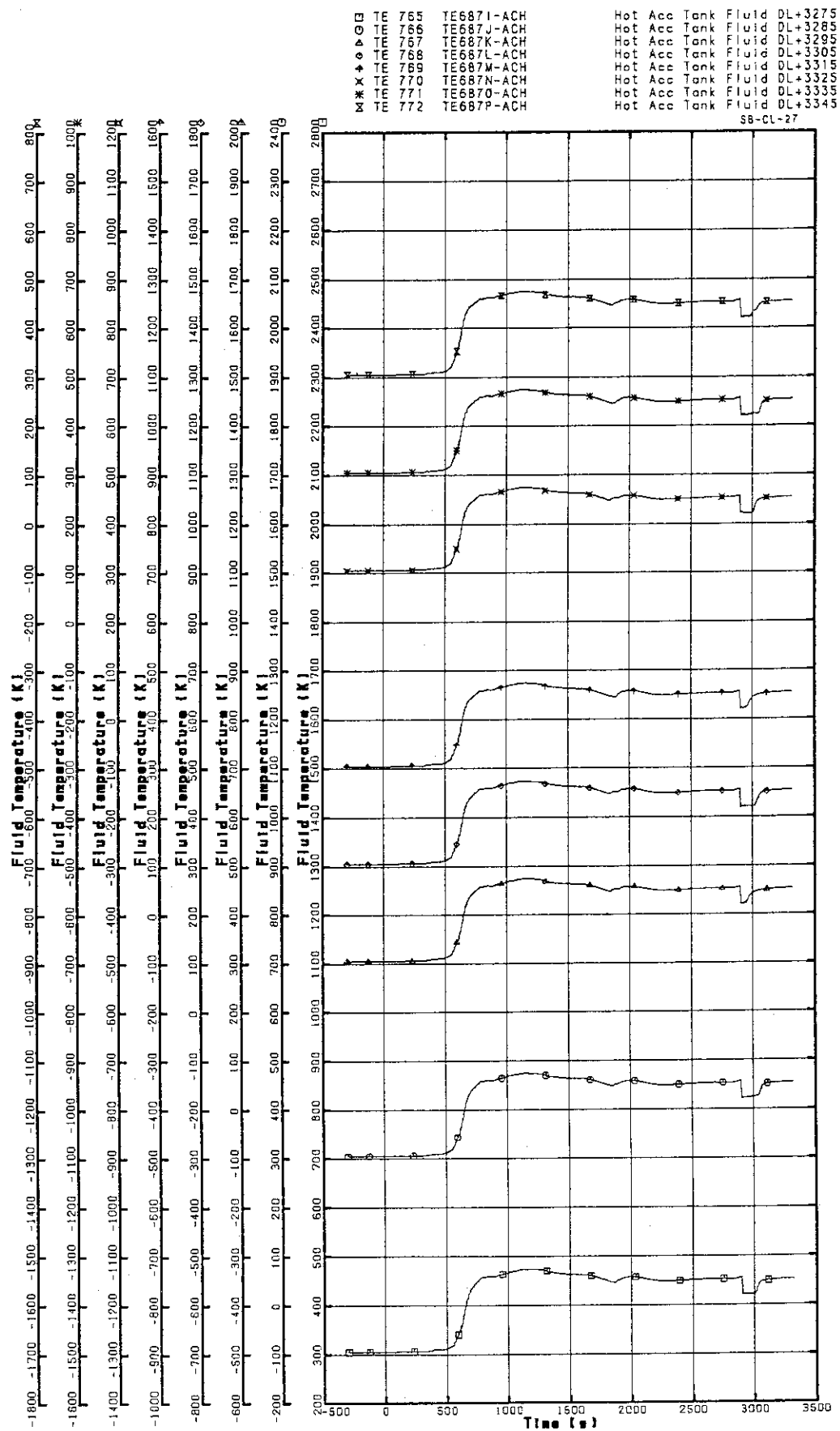


Fig. 5.43 Fluid Temperatures in ACC-Hot Tank (2/3)

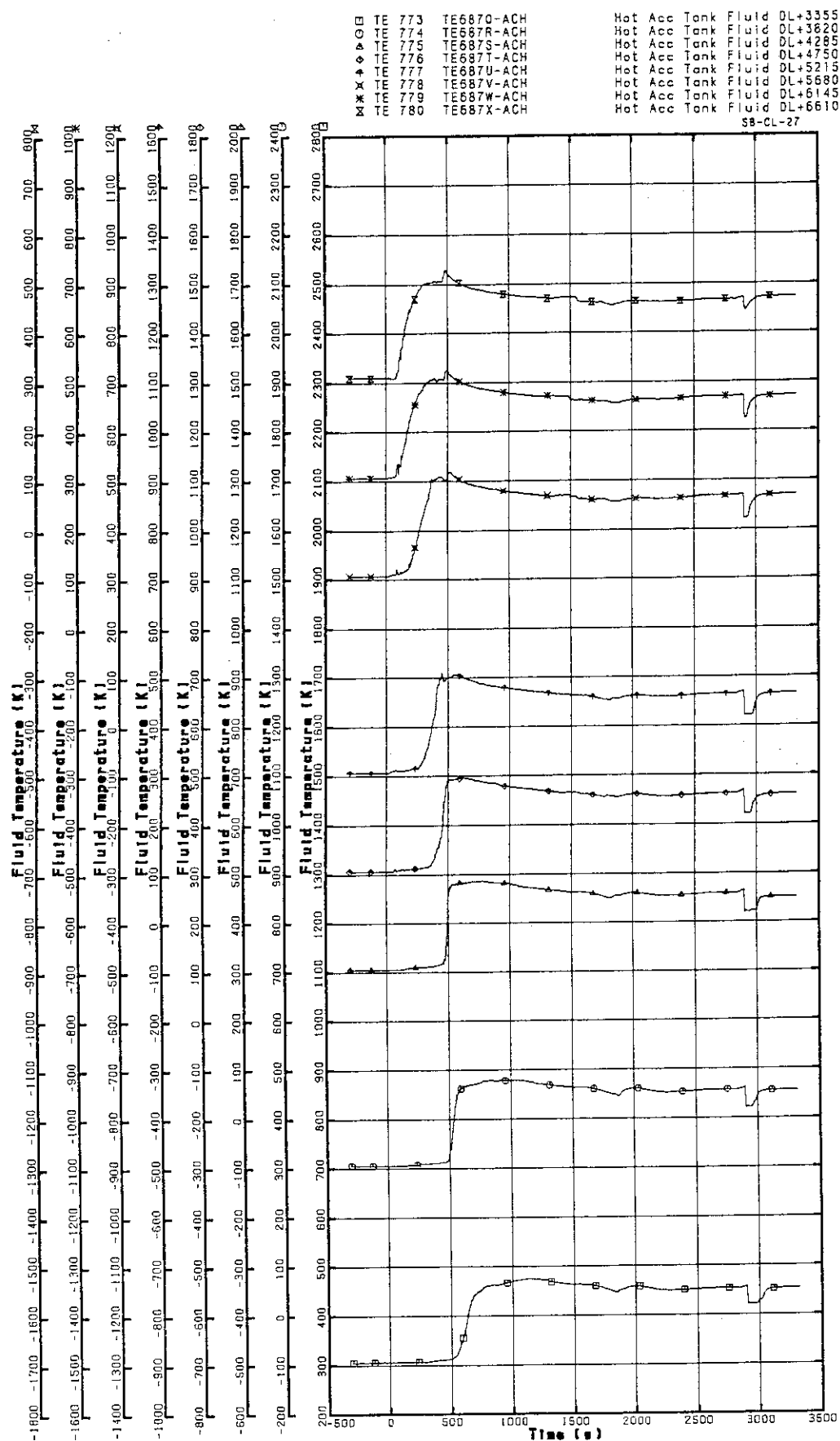


Fig. 5.44 Fluid Temperatures in ACC-Hot Tank (3/3)

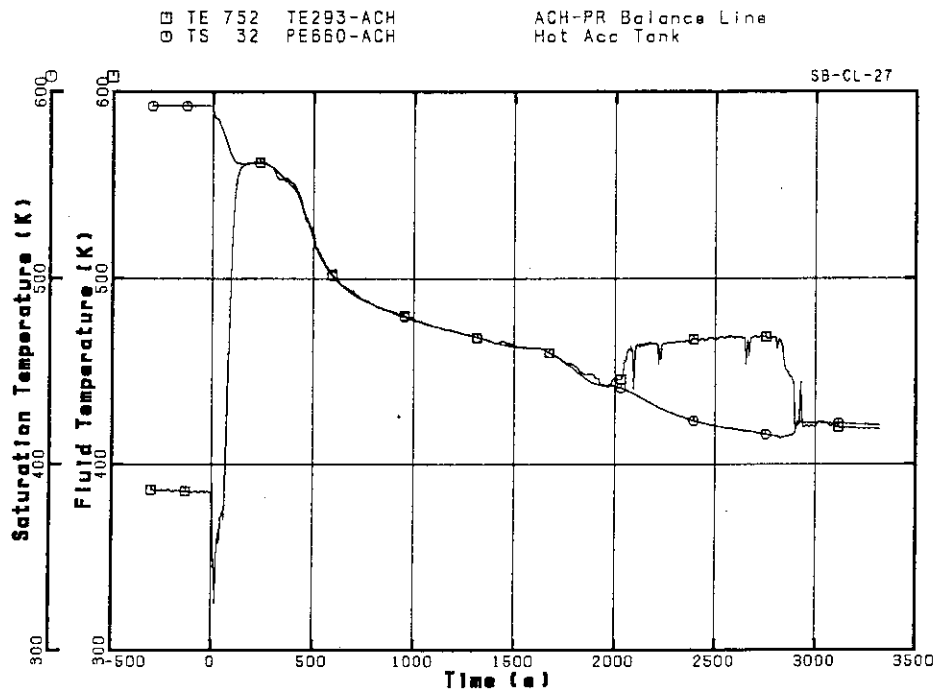


Fig. 5.45 Comparison of Saturation Temperatures and Fluid Temperatures at Tank Top Nozzle

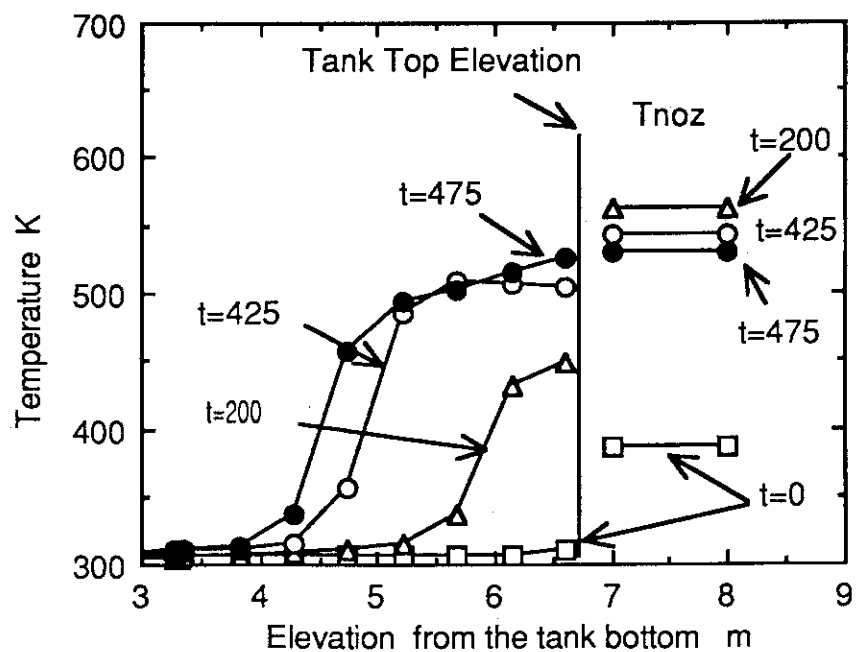


Fig. 5.46 Fluid Temperature Distributions in the Tank during the Natural Circulation Period compared with Fluid Temperatures in the Nozzle Connecting to PBLs (Tnoz)

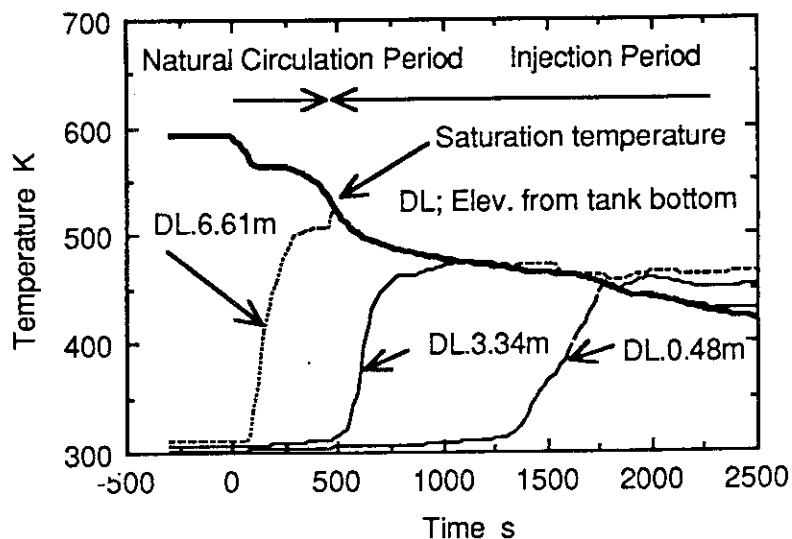


Fig. 5.47 Fluid Temperatures in the Tank vs. Time Compared with Saturation Temperature

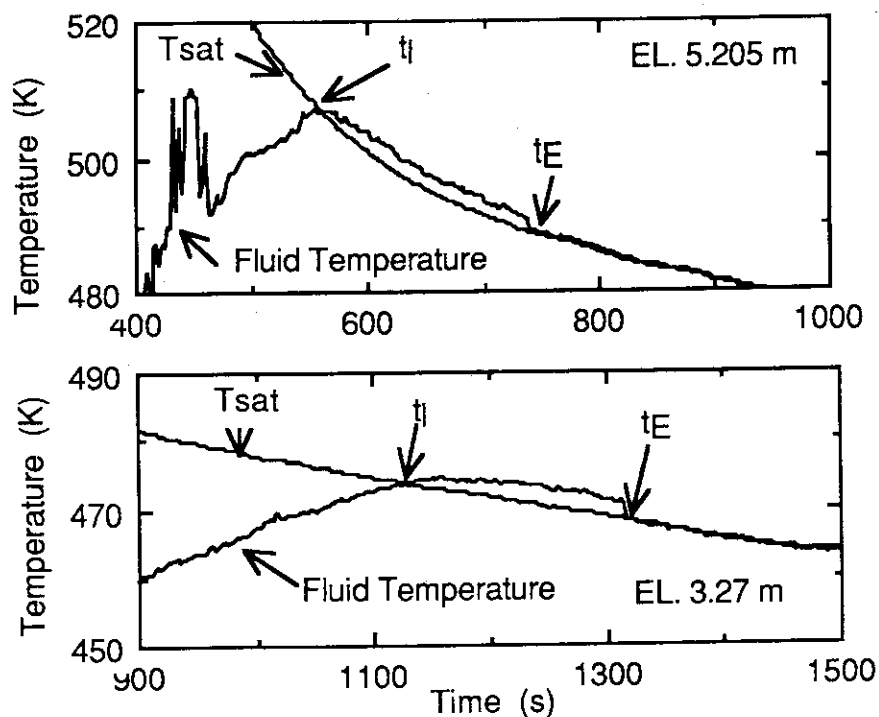


Fig. 5.48 Comparison of Fluid Temperature and Saturation Temperature at 5.205 and 3.27 m vs. Time; t_I and t_E mean Initial and End Timings of Superheating, respectively

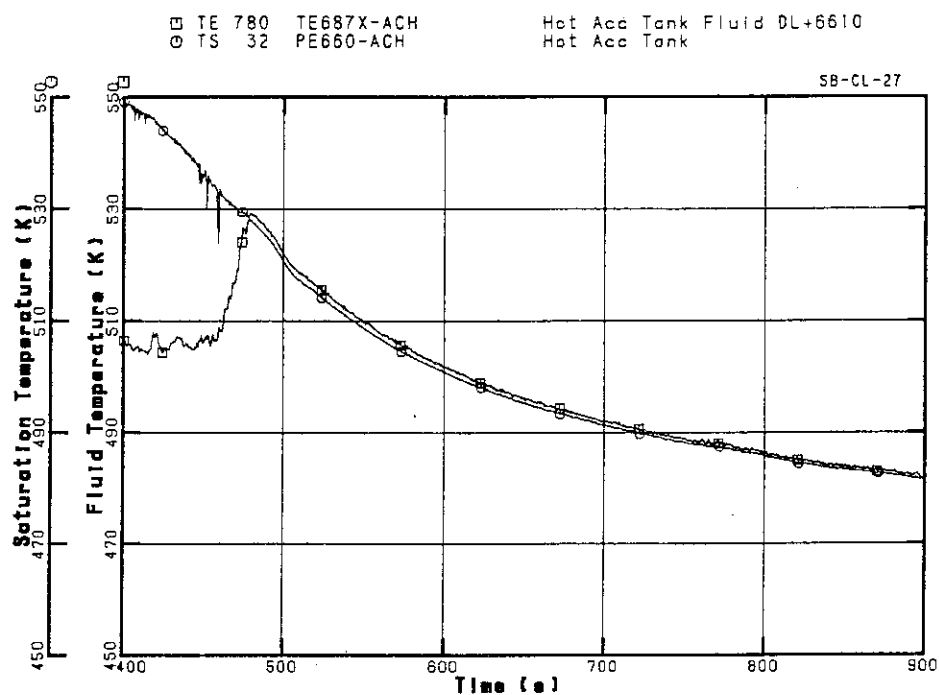


Fig. 5.49 Comparison of Saturation Temperatures and Fluid Temperatures at DL.6.61m

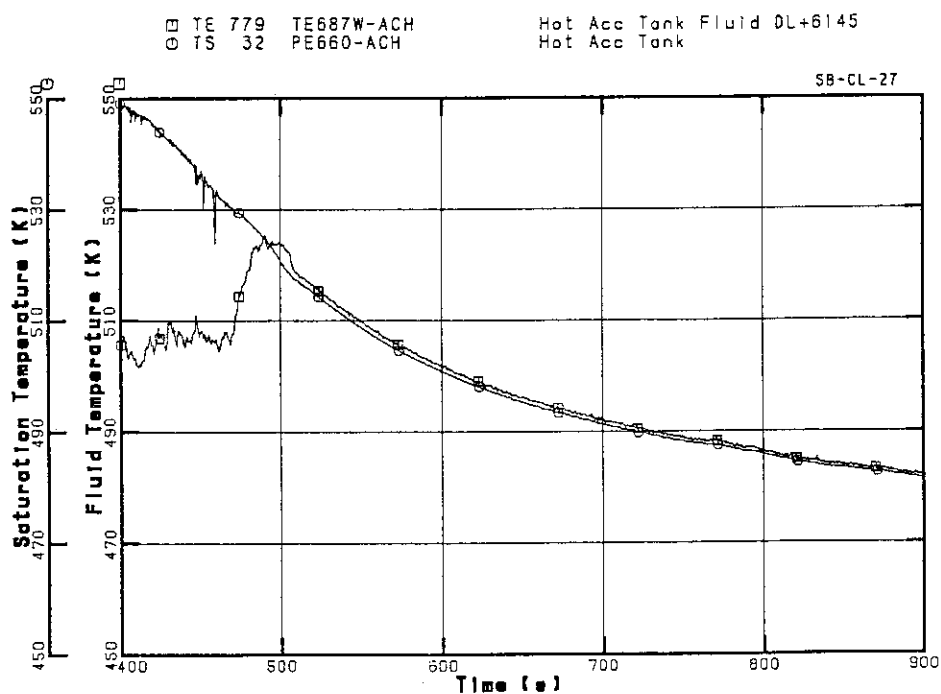


Fig. 5.50 Comparison of Saturation Temperatures and Fluid Temperatures at DL.6.145m

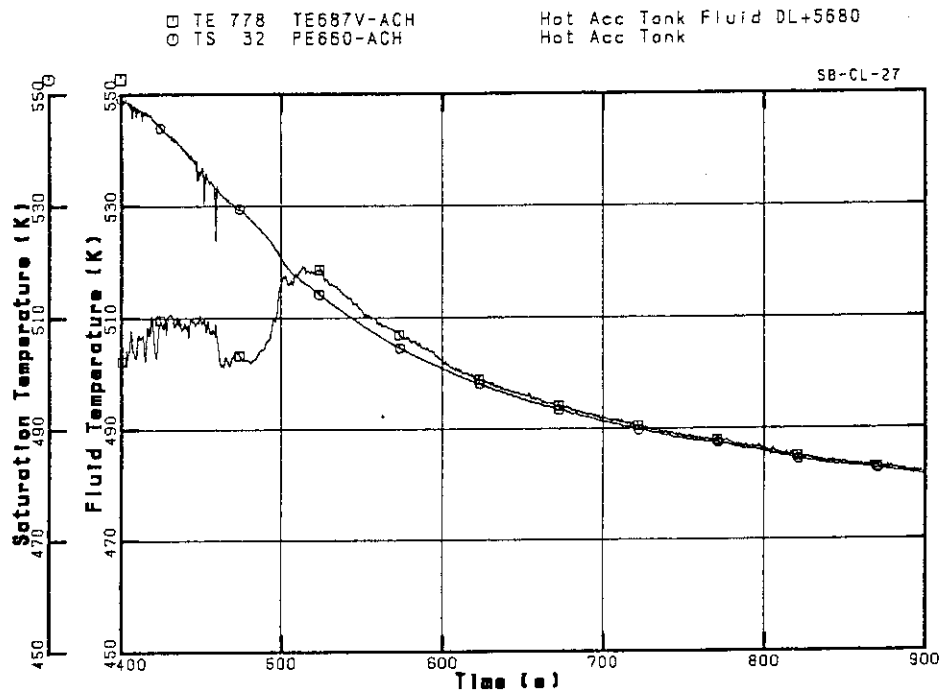


Fig. 5.51 Comparison of Saturation Temperatures and Fluid Temperatures at DL.5.68m

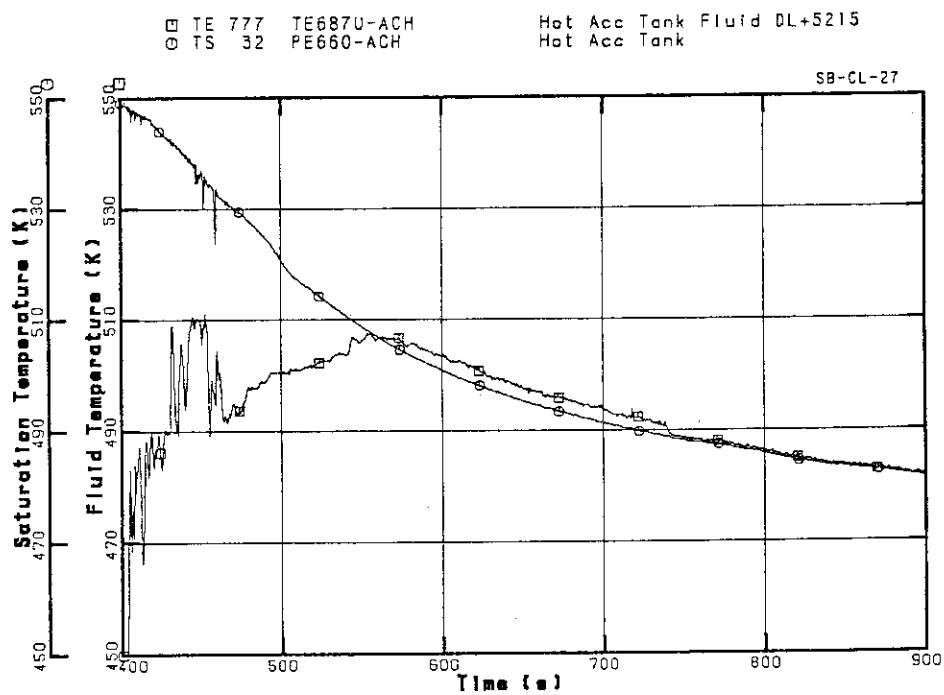


Fig. 5.52 Comparison of Saturation Temperatures and Fluid Temperatures at DL.5.215m

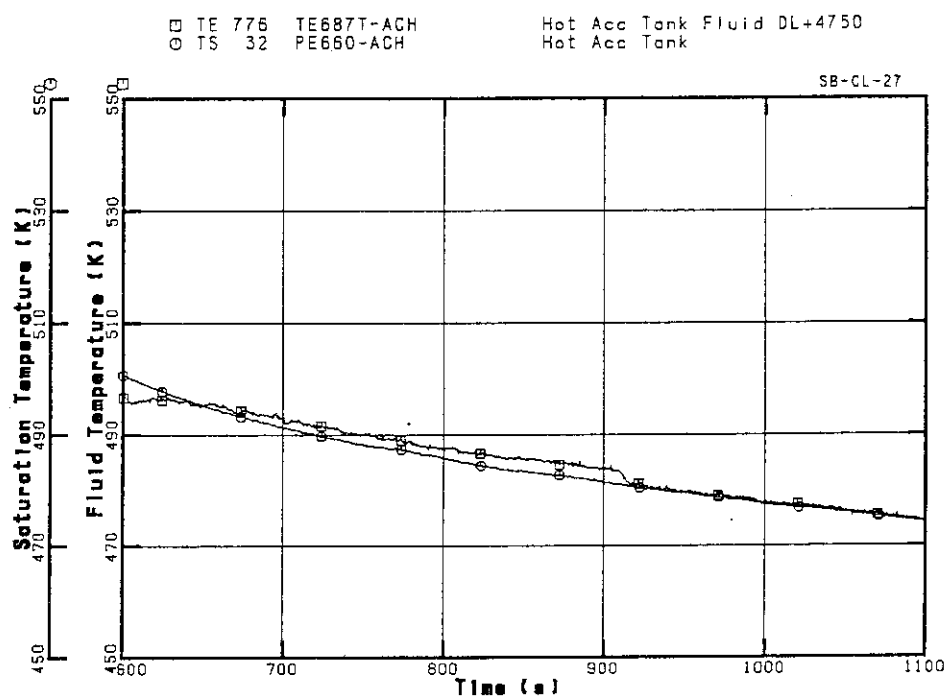


Fig. 5.53 Comparison of Saturation Temperatures and Fluid Temperatures at DL.4.75m

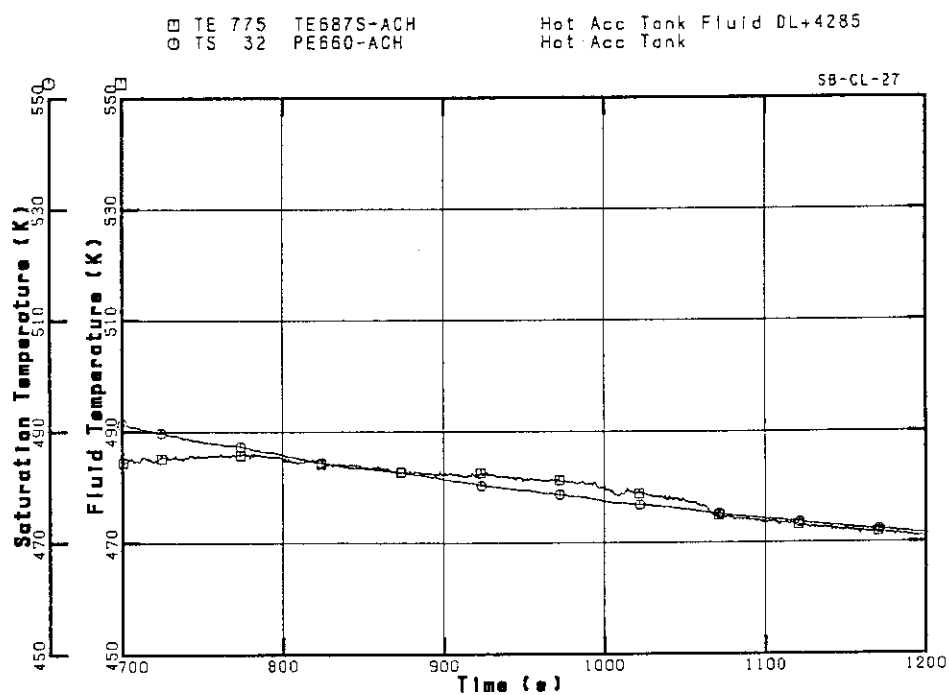


Fig. 5.54 Comparison of Saturation Temperatures and Fluid Temperatures at DL.4.285m

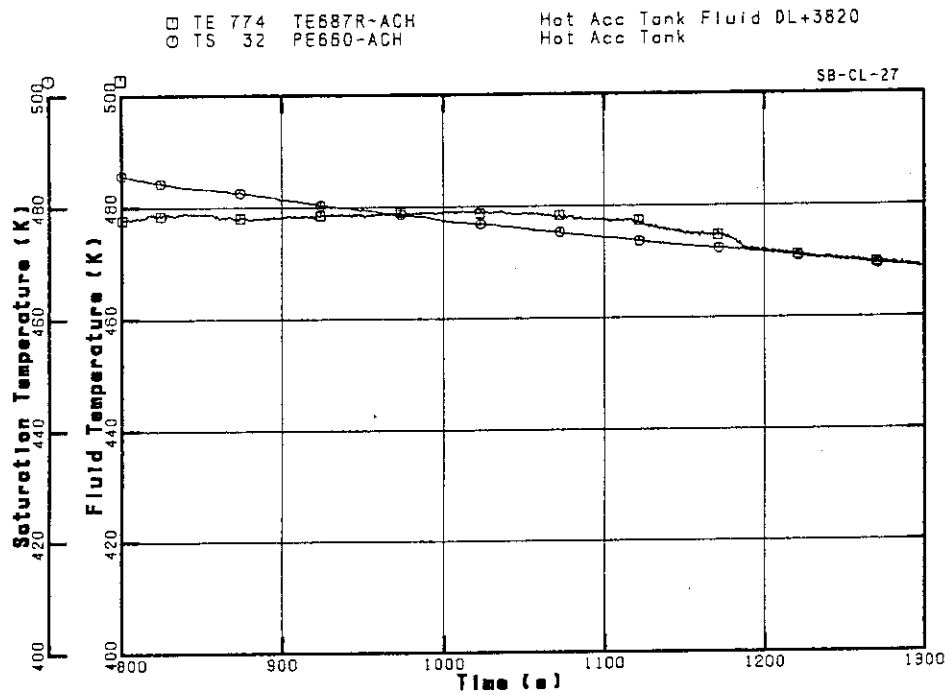


Fig. 5.55 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.82m

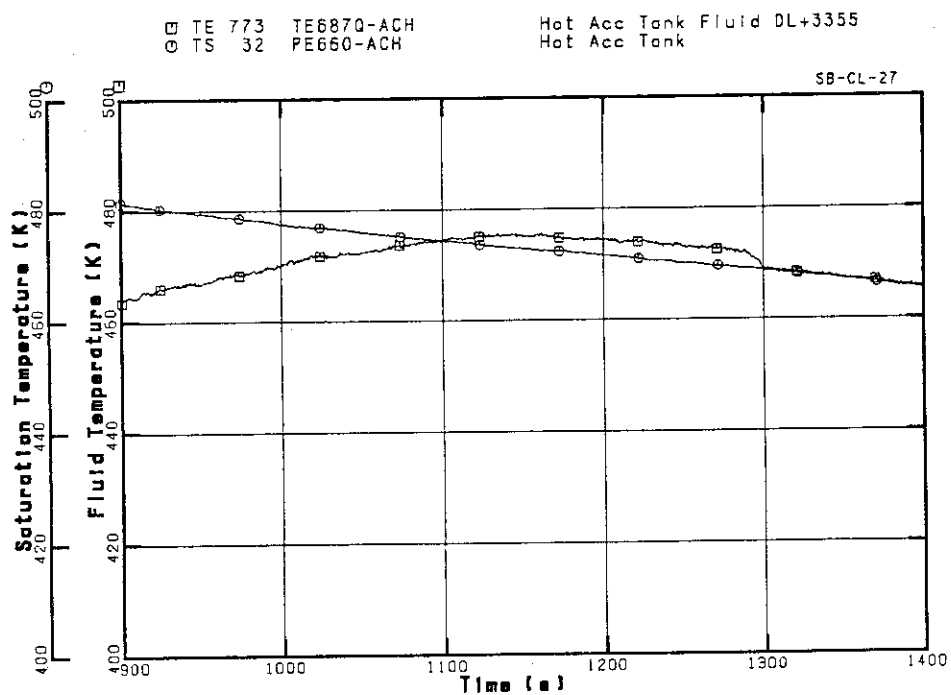


Fig. 5.56 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.355m

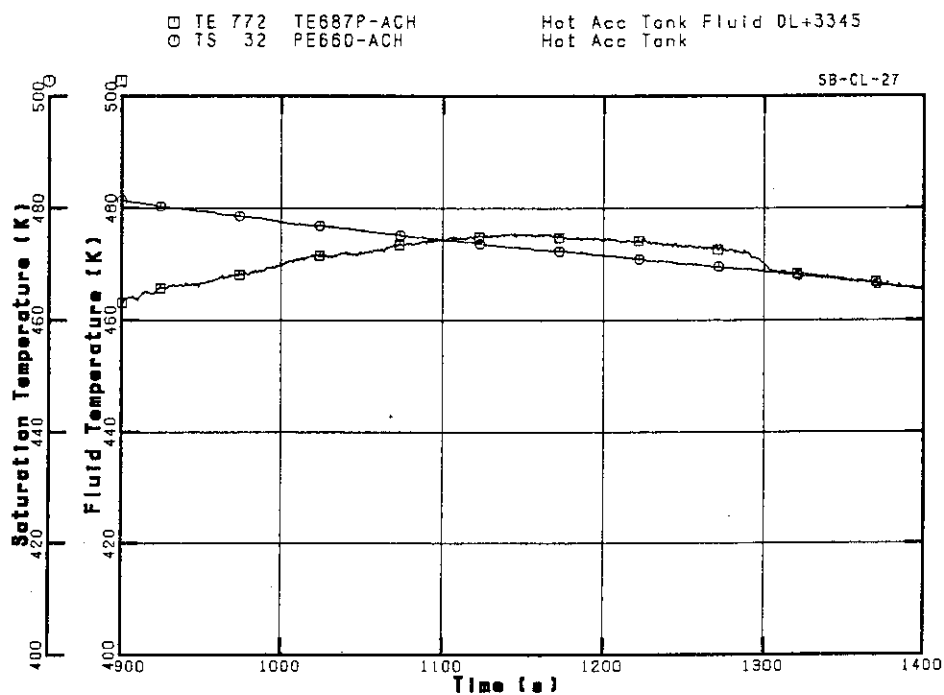


Fig. 5.57 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.345m

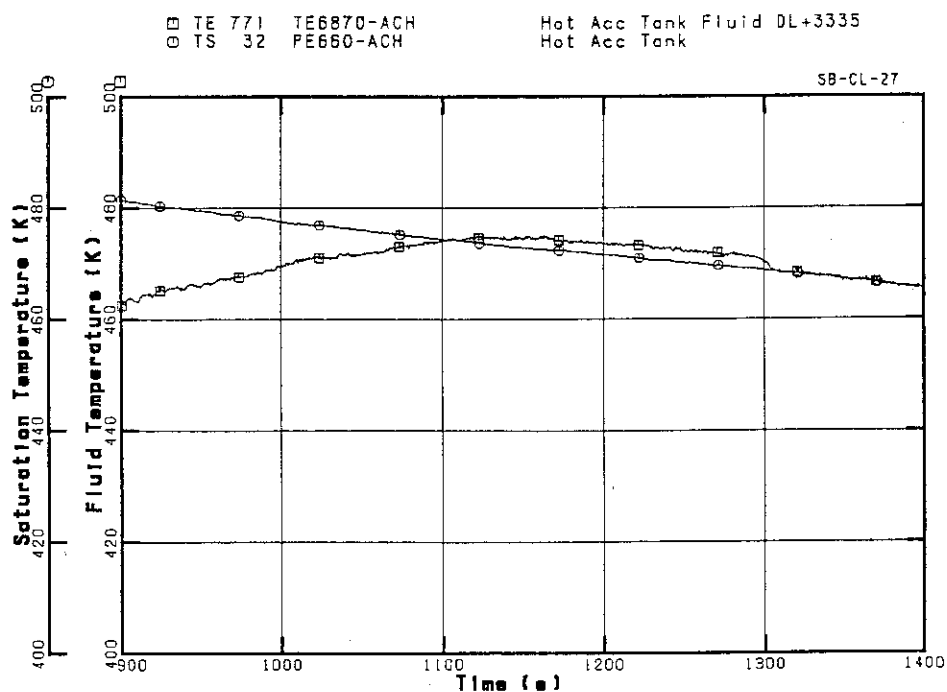


Fig. 5.58 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.335m

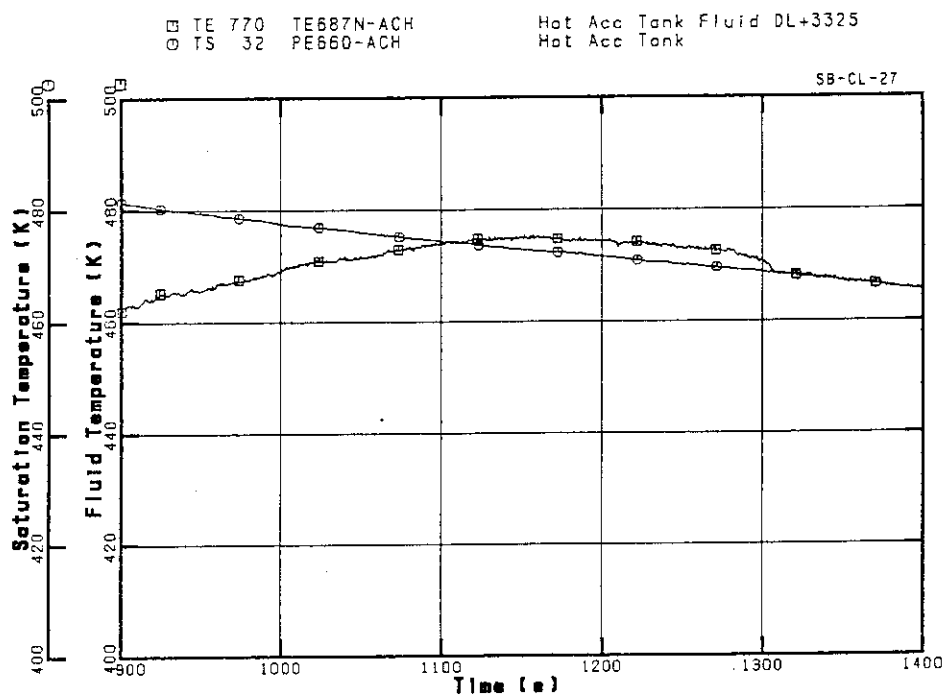


Fig. 5.59 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.325m

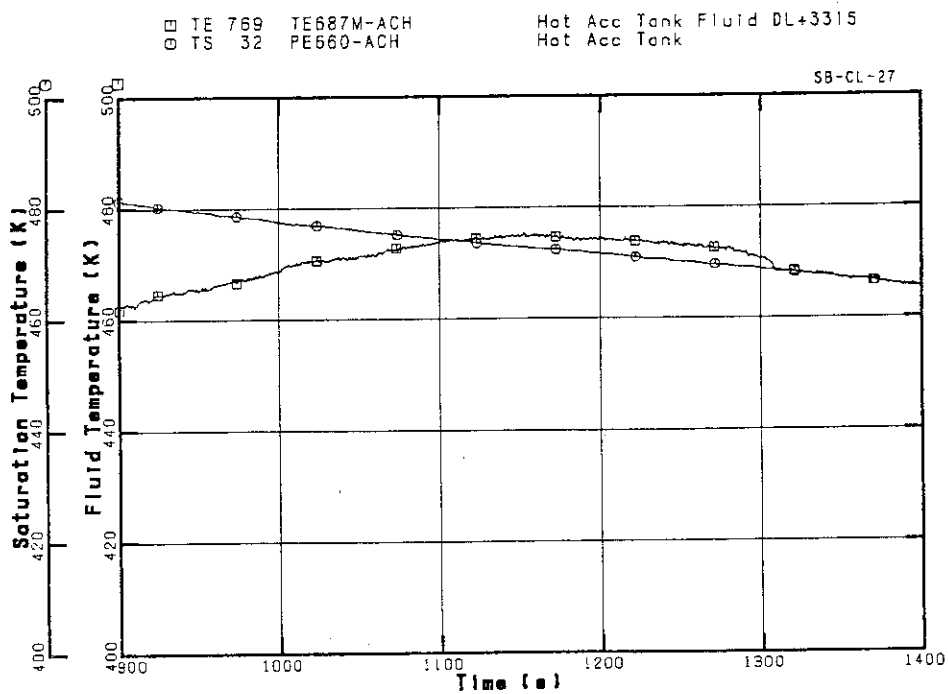


Fig. 5.60 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.315m

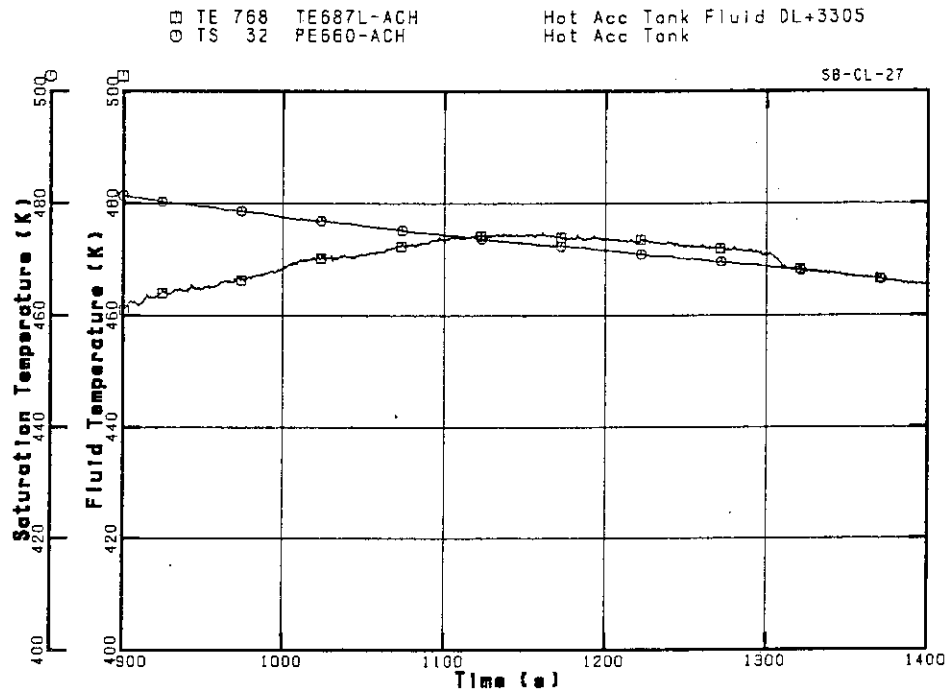


Fig. 5.61 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.305m

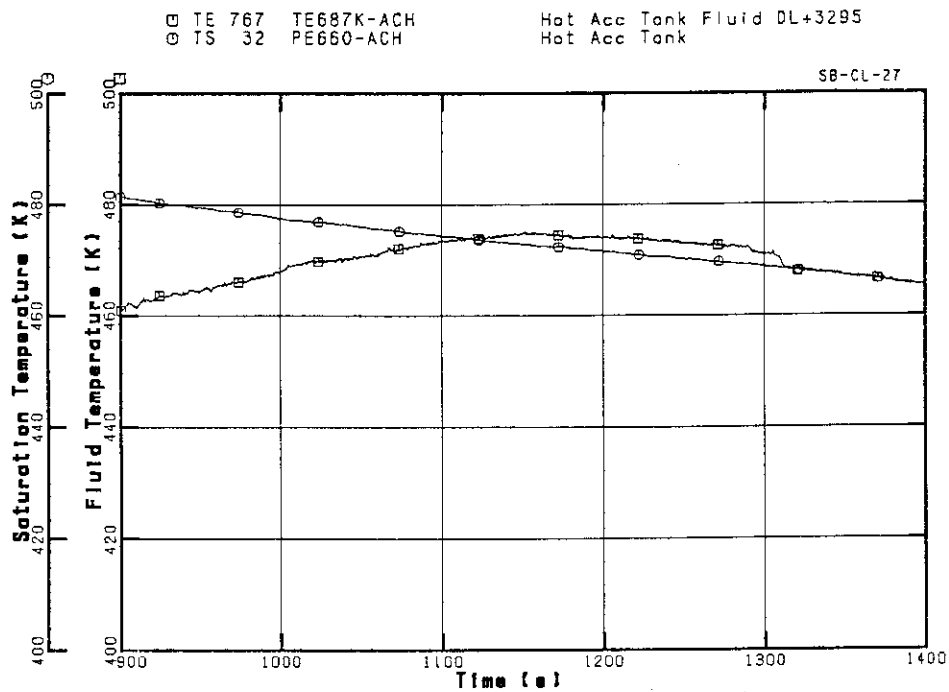


Fig. 5.62 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.295m

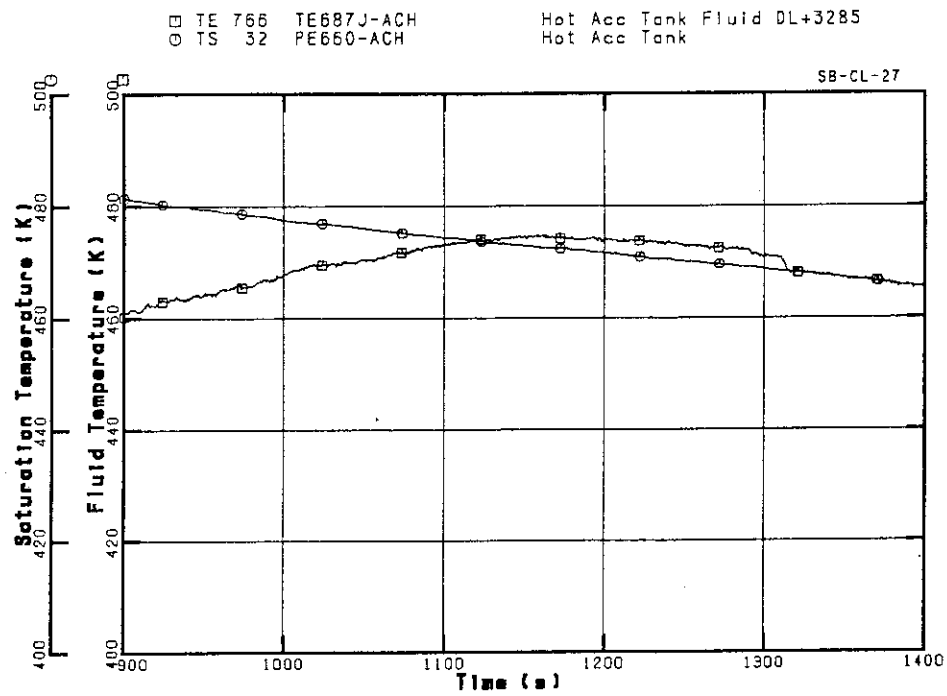


Fig. 5.63 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.285m

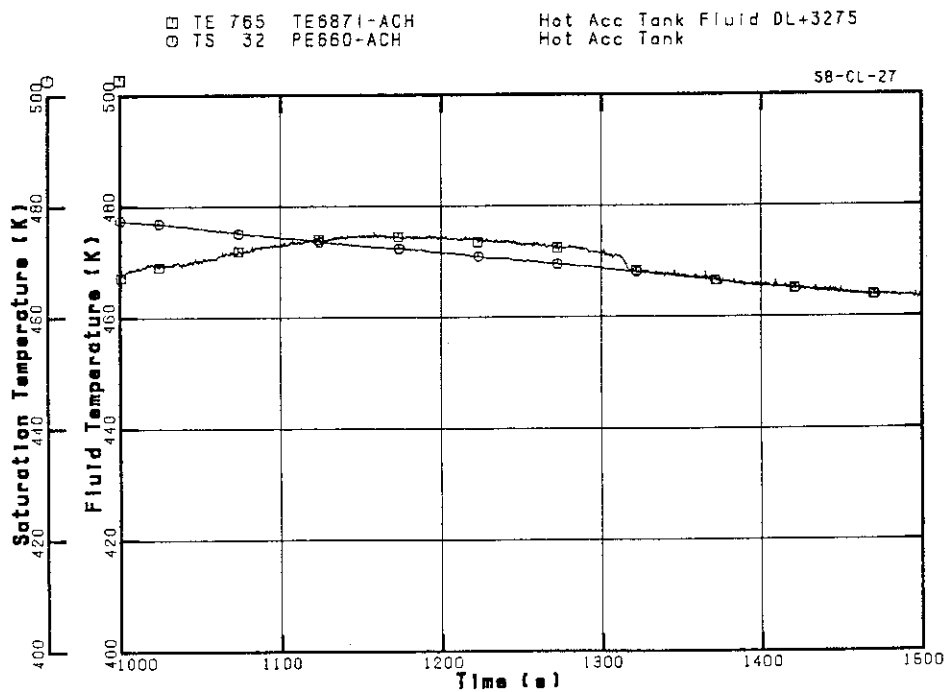


Fig. 5.64 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.275m

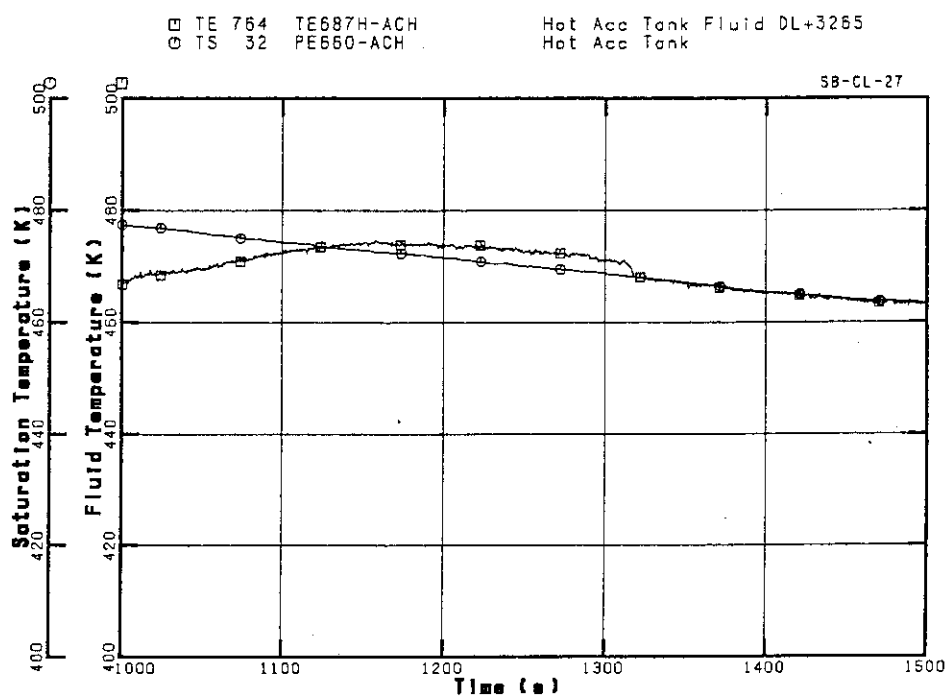


Fig. 5.65 Comparison of Saturation Temperatures and Fluid Temperatures at DL.3.265m

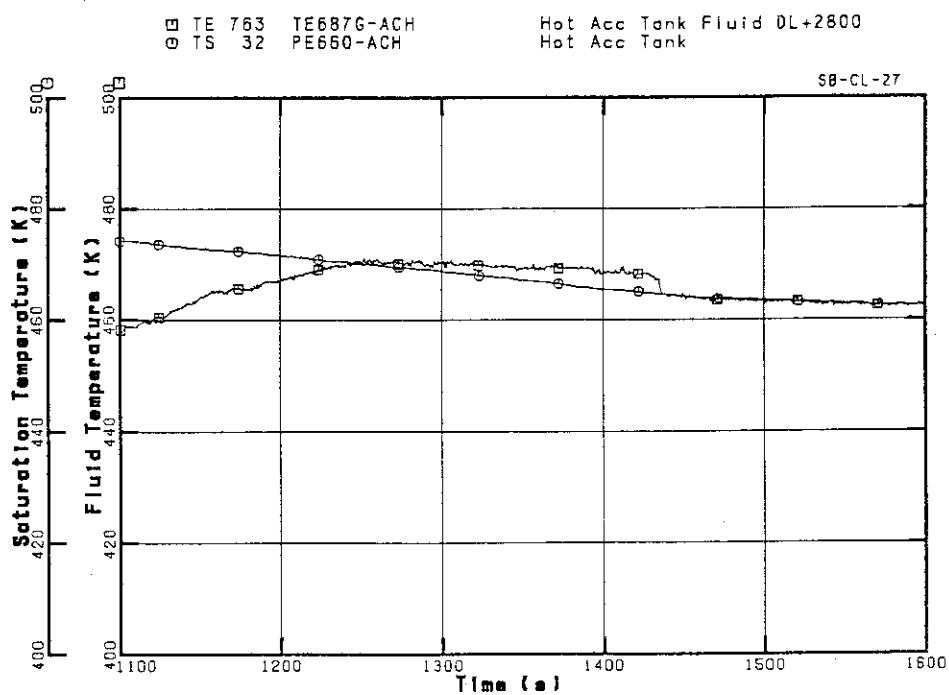


Fig. 5.66 Comparison of Saturation Temperatures and Fluid Temperatures at DL.2.80m

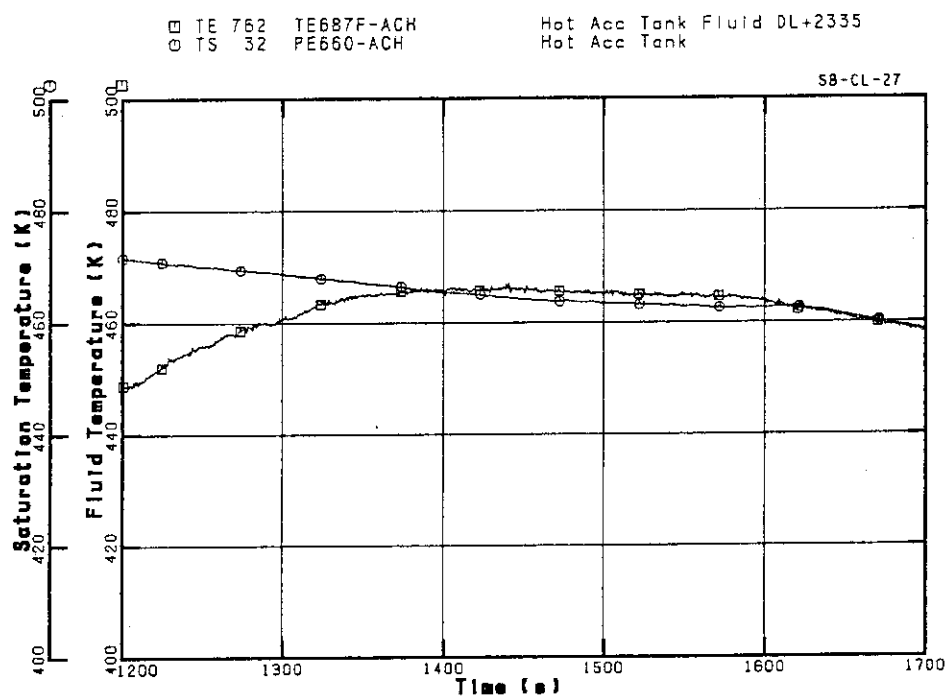


Fig. 5.67 Comparison of Saturation Temperatures and Fluid Temperatures at DL.2.335m

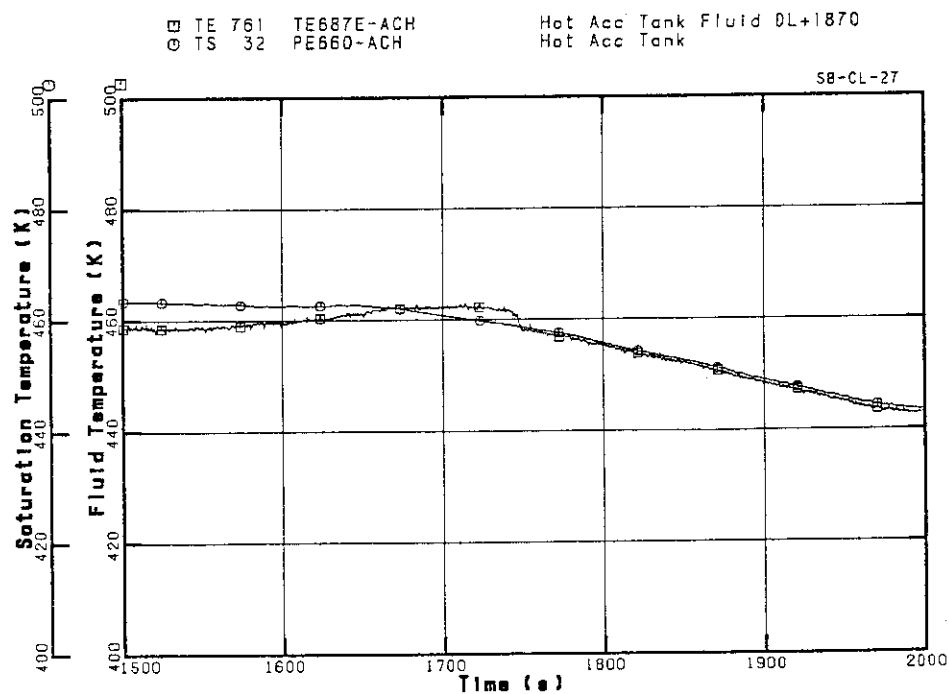


Fig. 5.68 Comparison of Saturation Temperatures and Fluid Temperatures at DL.1.87m

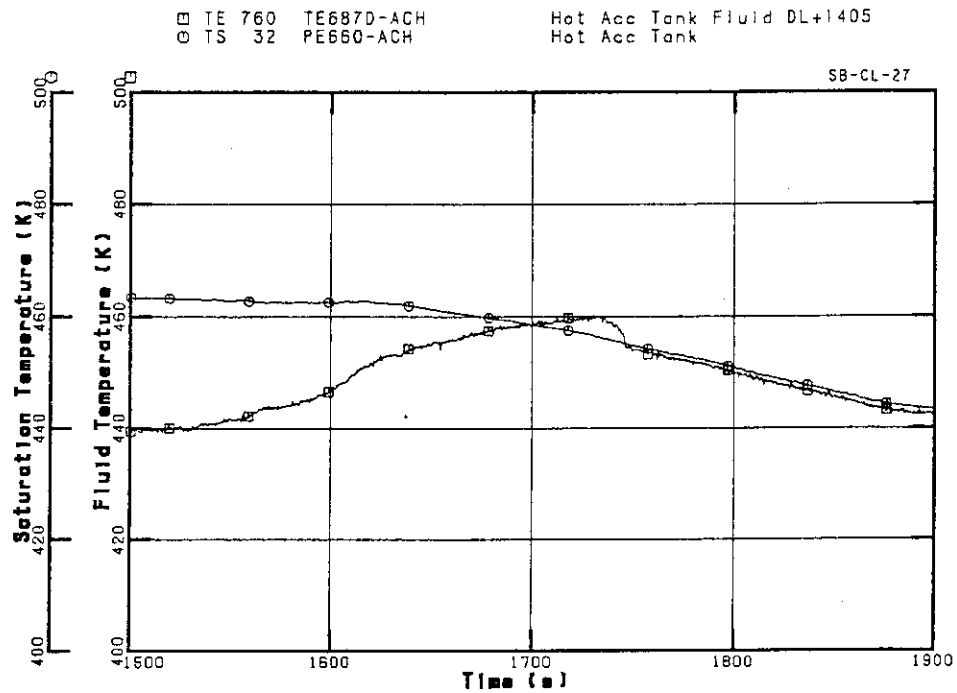


Fig. 5.69 Comparison of Saturation Temperatures and Fluid Temperatures at DL.1.405m

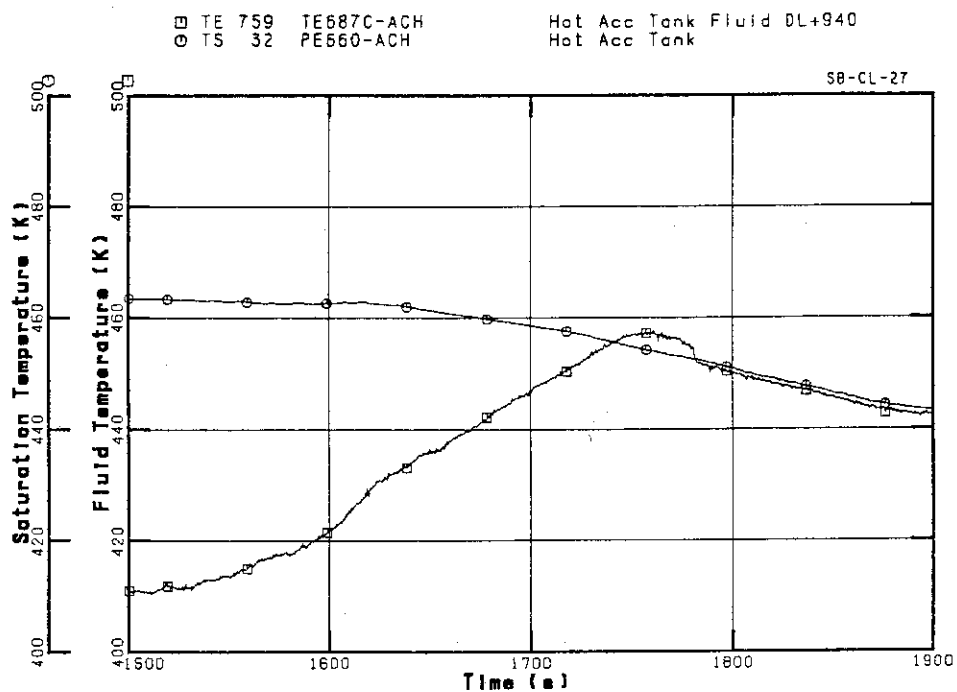


Fig. 5.70 Comparison of Saturation Temperatures and Fluid Temperatures at DL.0.94m

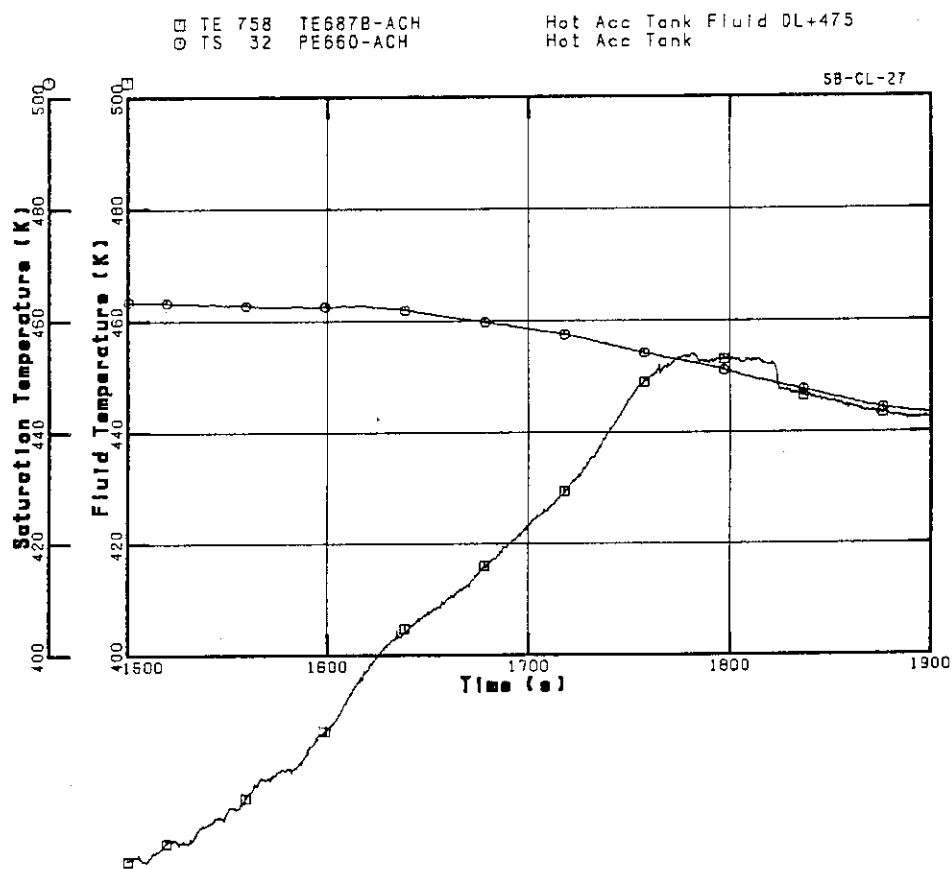


Fig. 5.71 Comparison of Saturation Temperatures and Fluid Temperatures at DL.0.475m

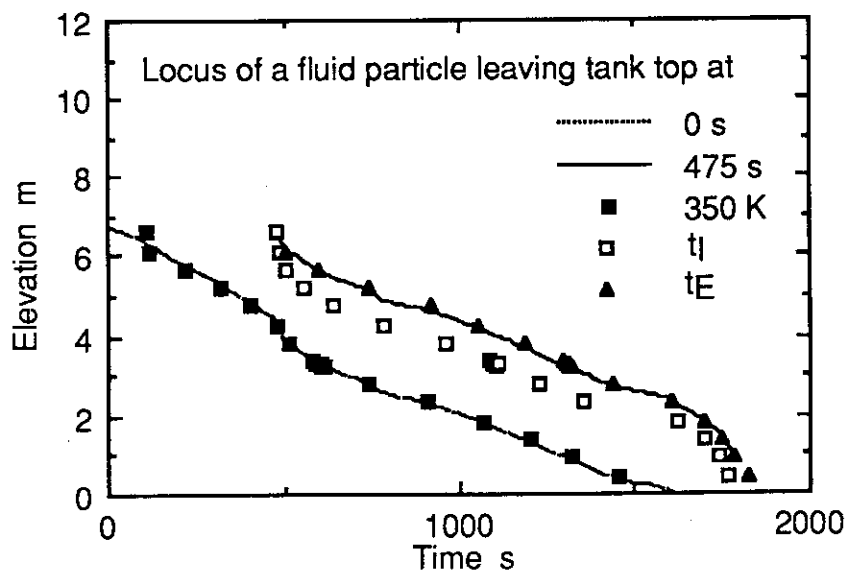


Fig. 5.72 Profiles of Fluid Temperature of 350 K, t_E and t_I , and Loci of Fluid Particle Leaving Tank Top at 0 and 475 s

APPENDIX A Measurement Locations

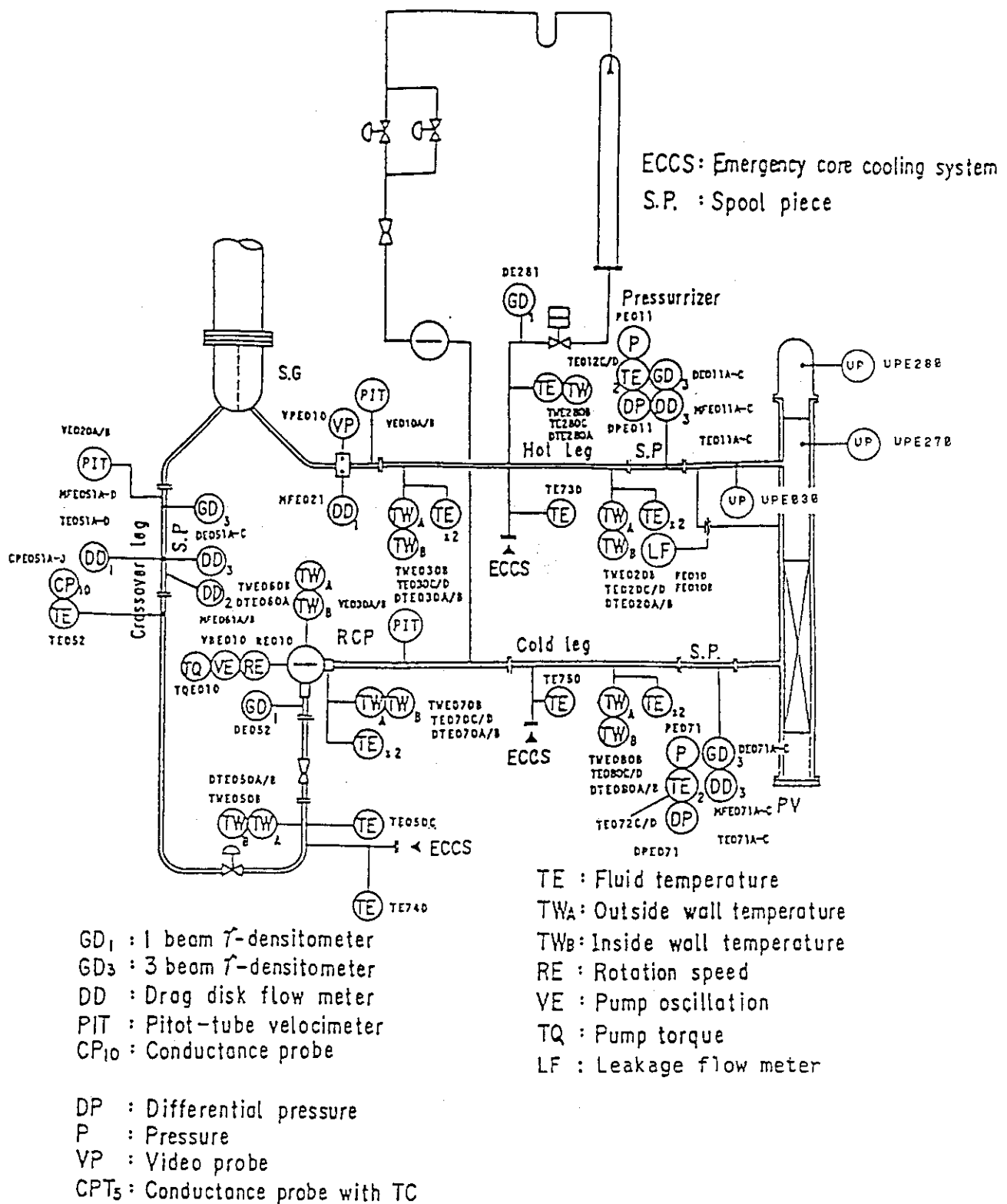


Fig. A.1(a) Primary Loop A Instruments (I)

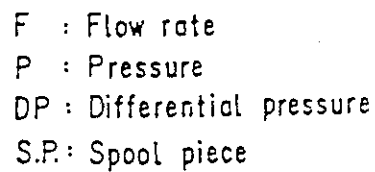


Fig. A.1(b) Primary Loop A Instruments (II)

VP : Video probe
GD₃ : 3 beams γ -densitometer
DD : Drag disk flow. meter
CP₁₀ : Conductance probe

DP : Differential pressure
P : Pressure
CPT₅ : Conductance probe with TC
TE : Fluid temperature
TW_A : Outside wall temperature
TW_B : Inside wall temperature
RE : Rotation speed
VE : Pump oscillation
TQ : Pump torque
LF : Leakage flow meter

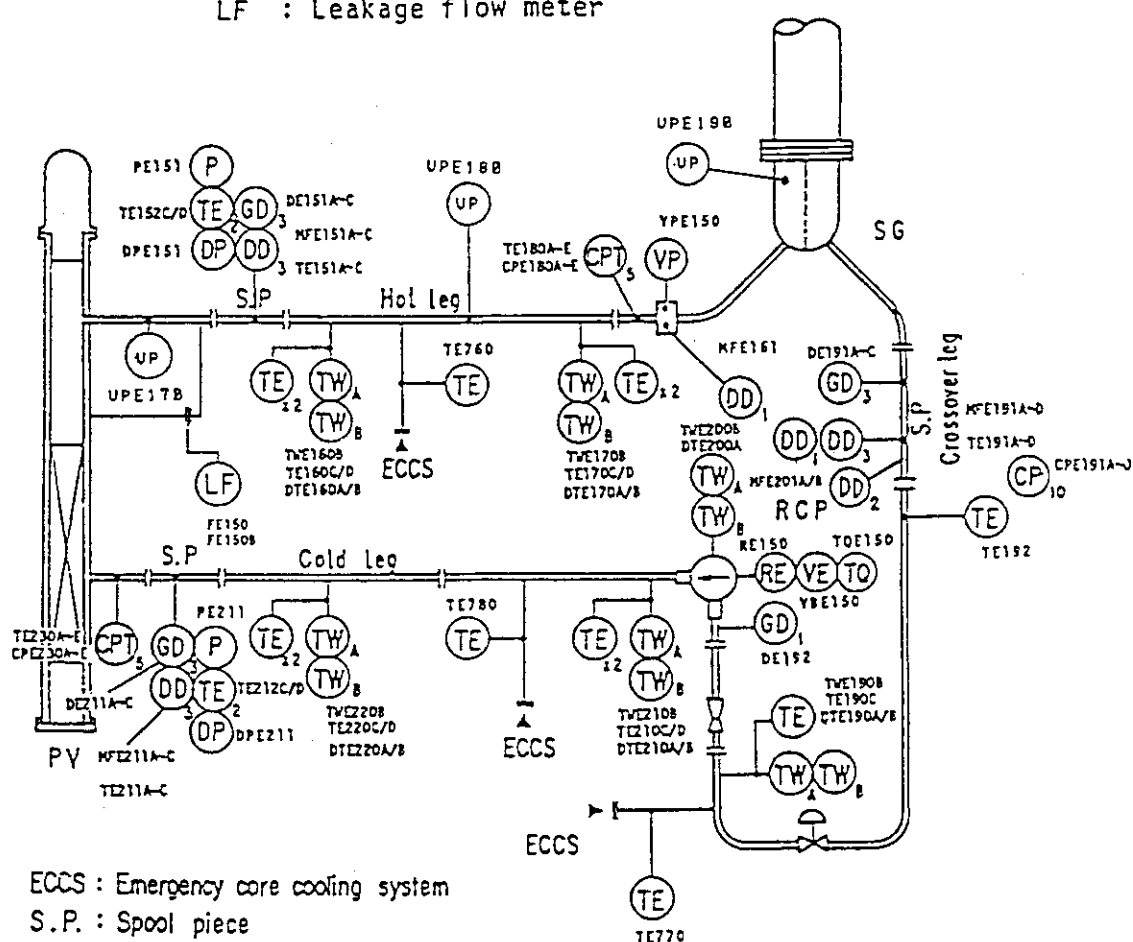


Fig. A.2(a) Primary Loop B Instruments (I)

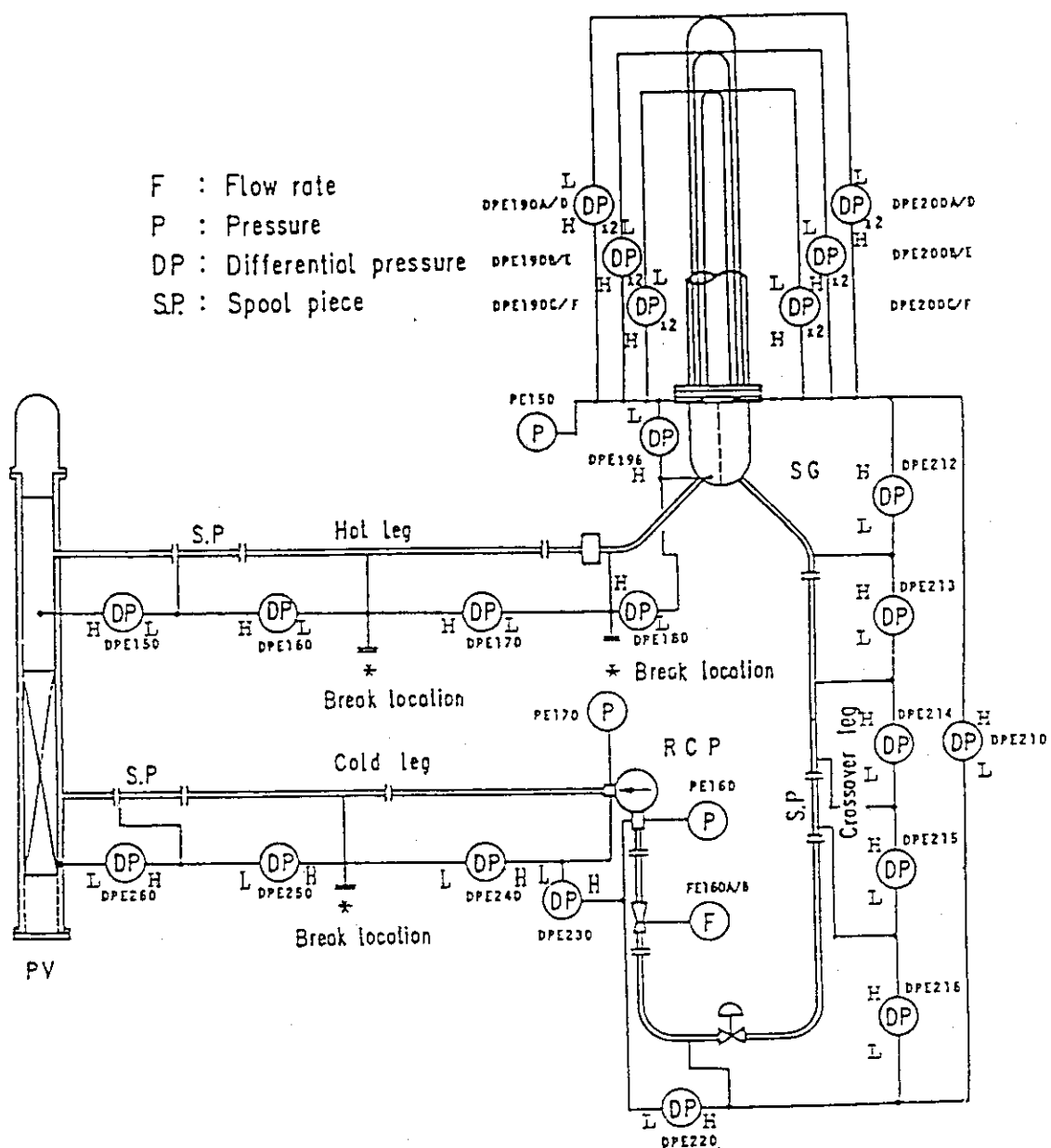


Fig. A.2(b) Primary Loop B Instruments (II)

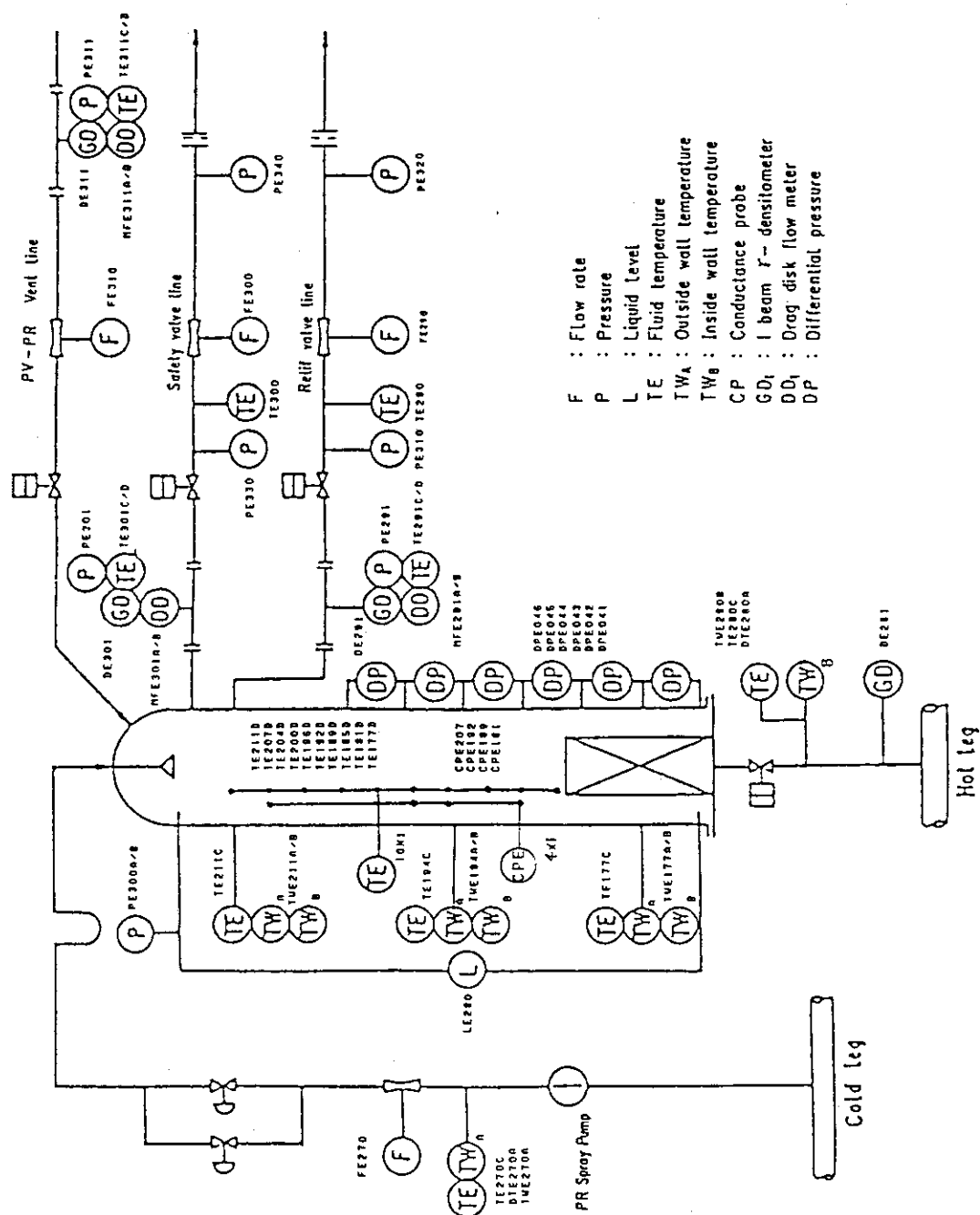


Fig. A.3 Instruments of Pressurizer and Associated Lines

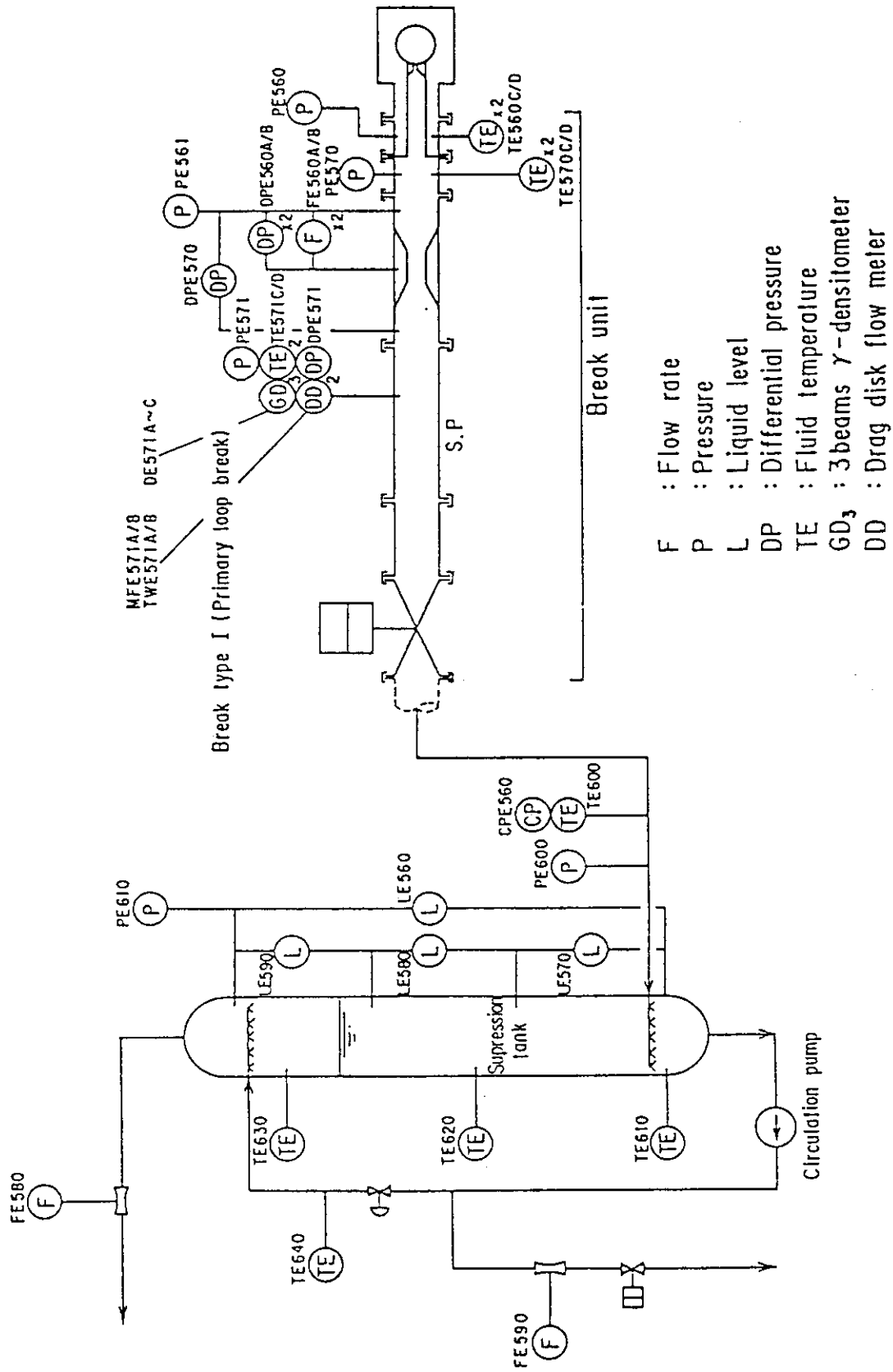


Fig. A.4 Break Unit and Break Line Instrumentations (Type I)

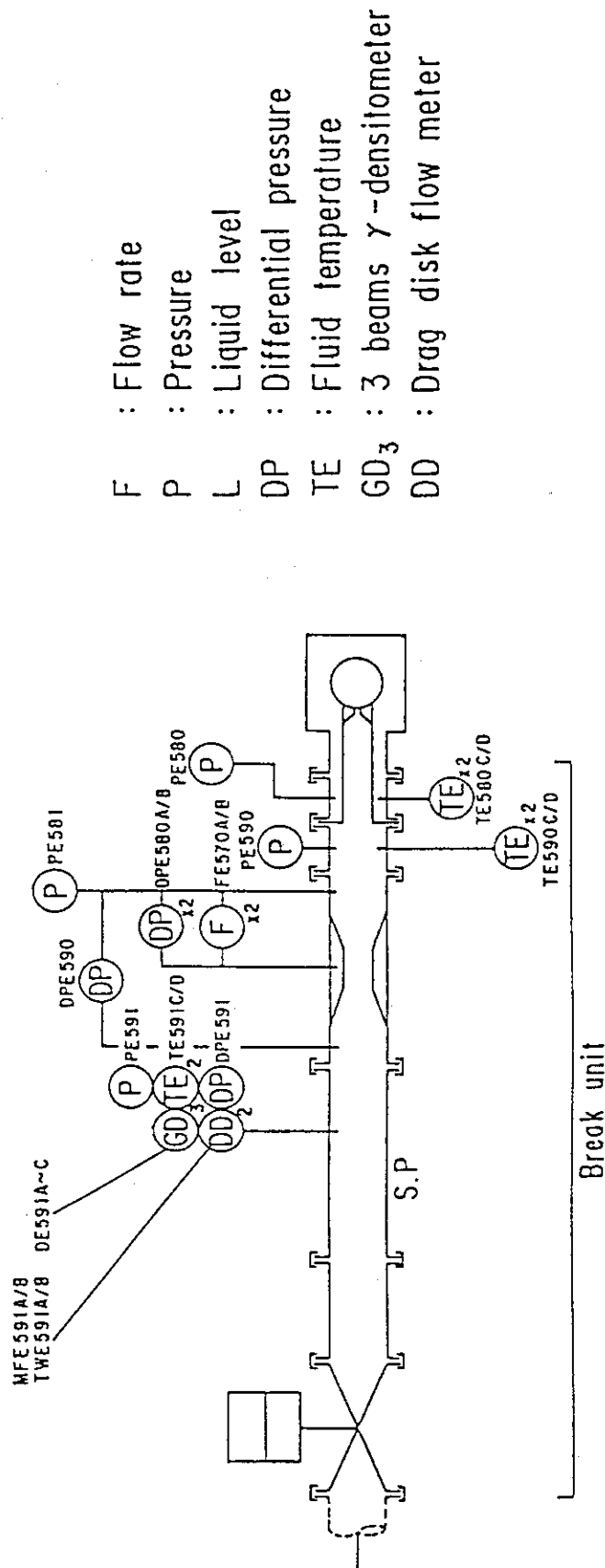


Fig. A.5 Break Unit and Break Line Instrumentations (Type II)

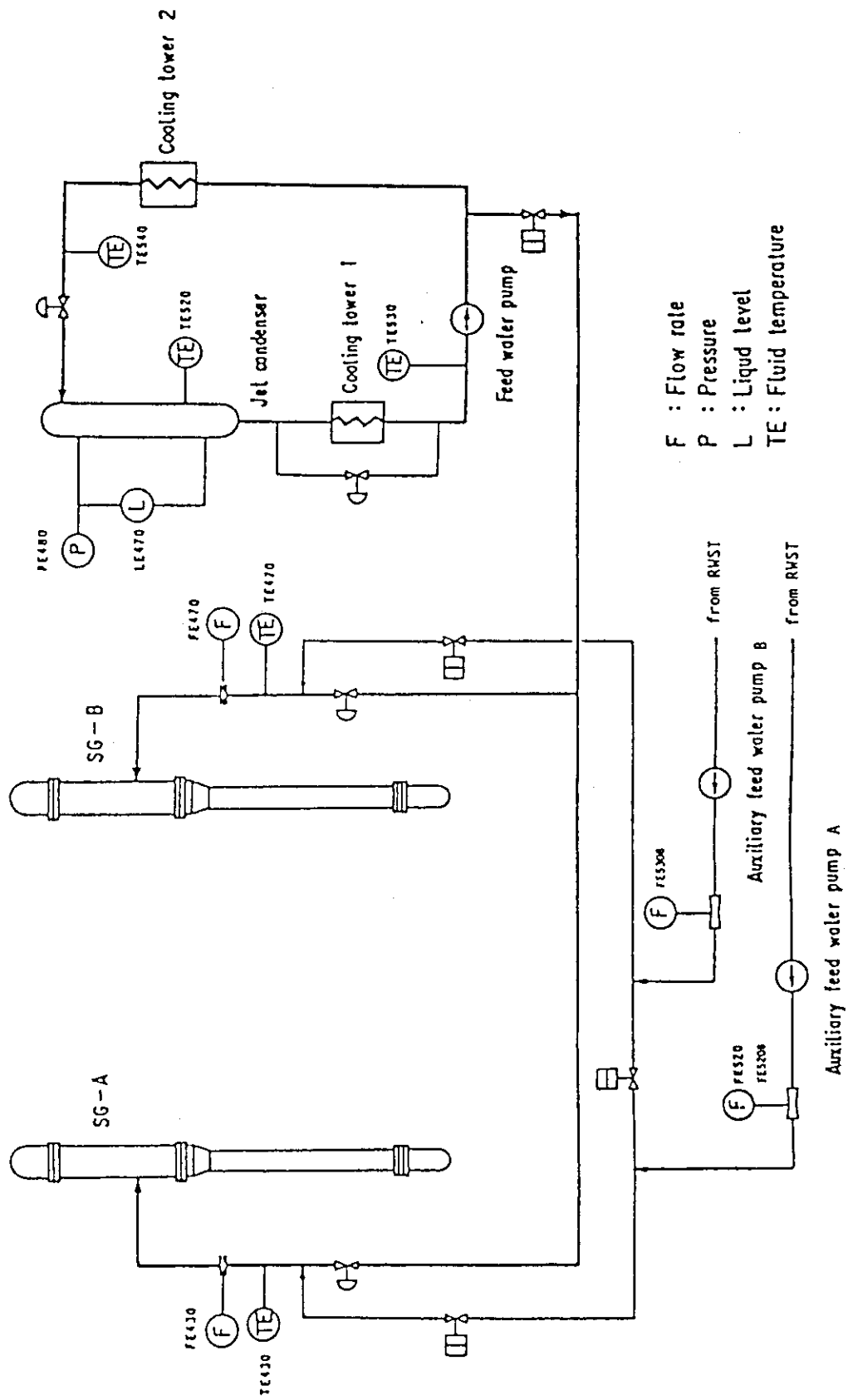


Fig. A.6 Main Feedwater Line, Aux. Feedwater Line and Jet Condenser Instruments

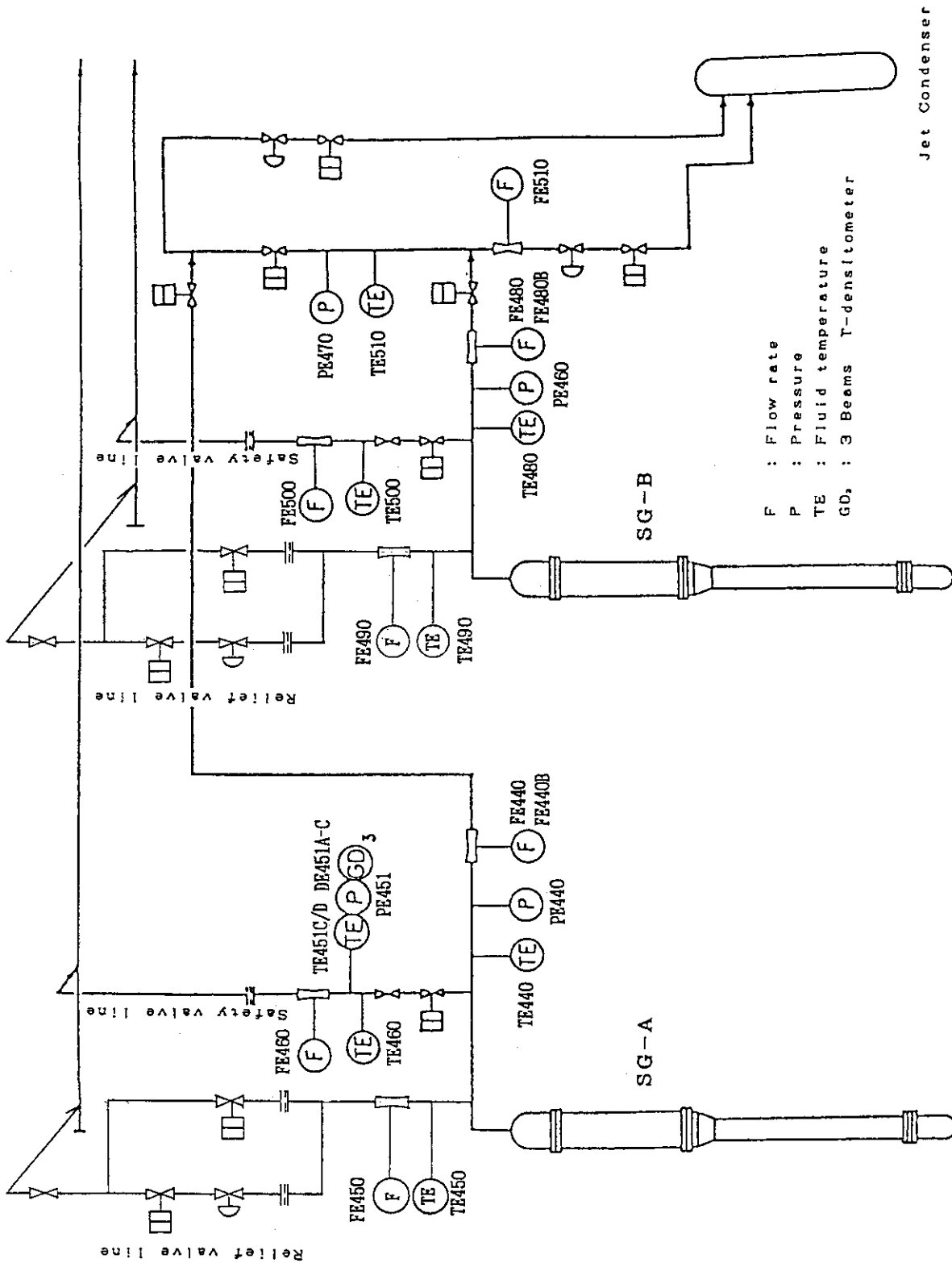


Fig. A.7 Main Steam, Relief Valve and Safety Valve Lines Instruments

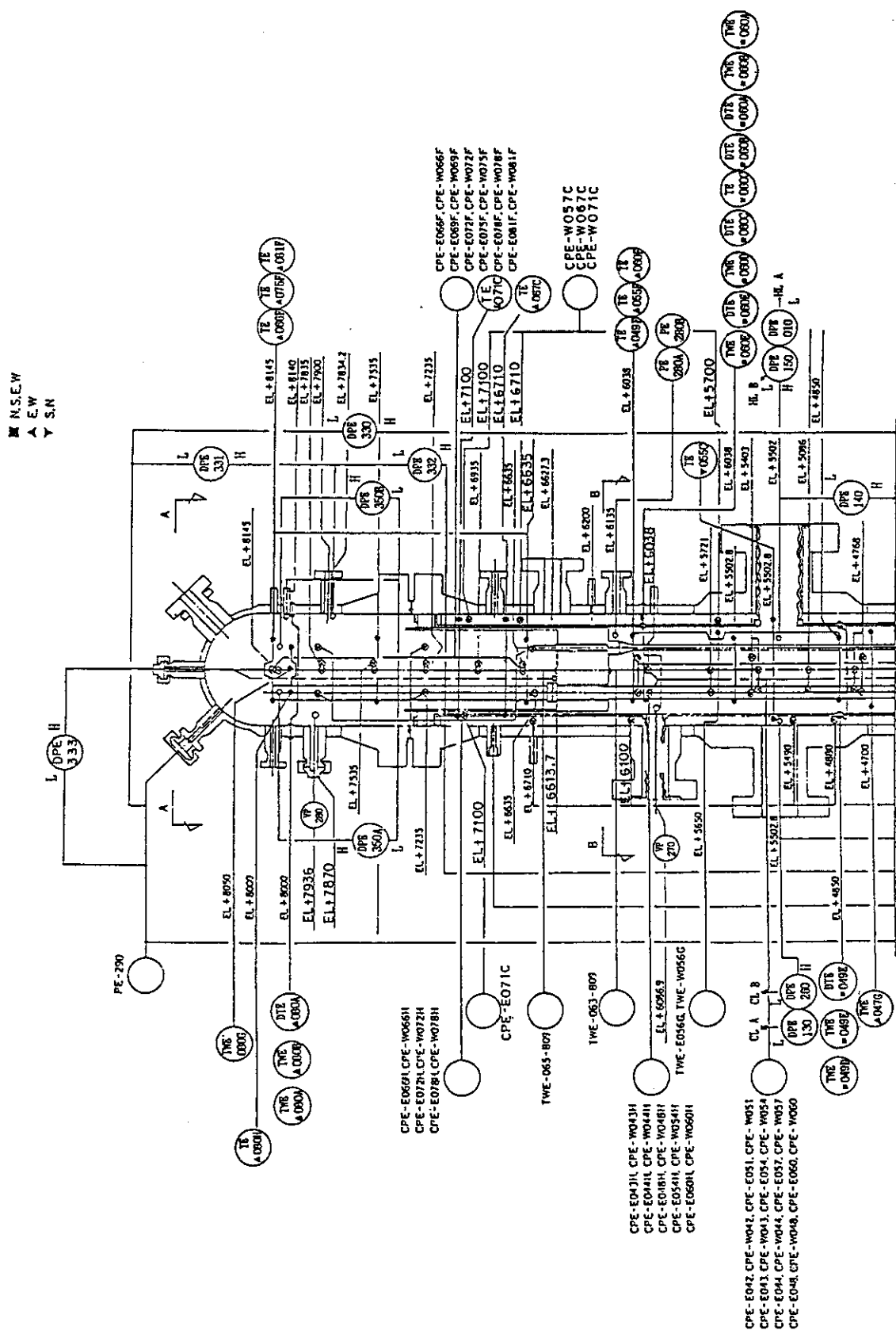


Fig. A.8(a) Vertical Locations of Pressure Vessel Instruments
(Except Simulated Core)(I)

Fig. A.8(b) Vertical Locations of Pressure Vessel Instruments
(Except Simulated Core)(II)

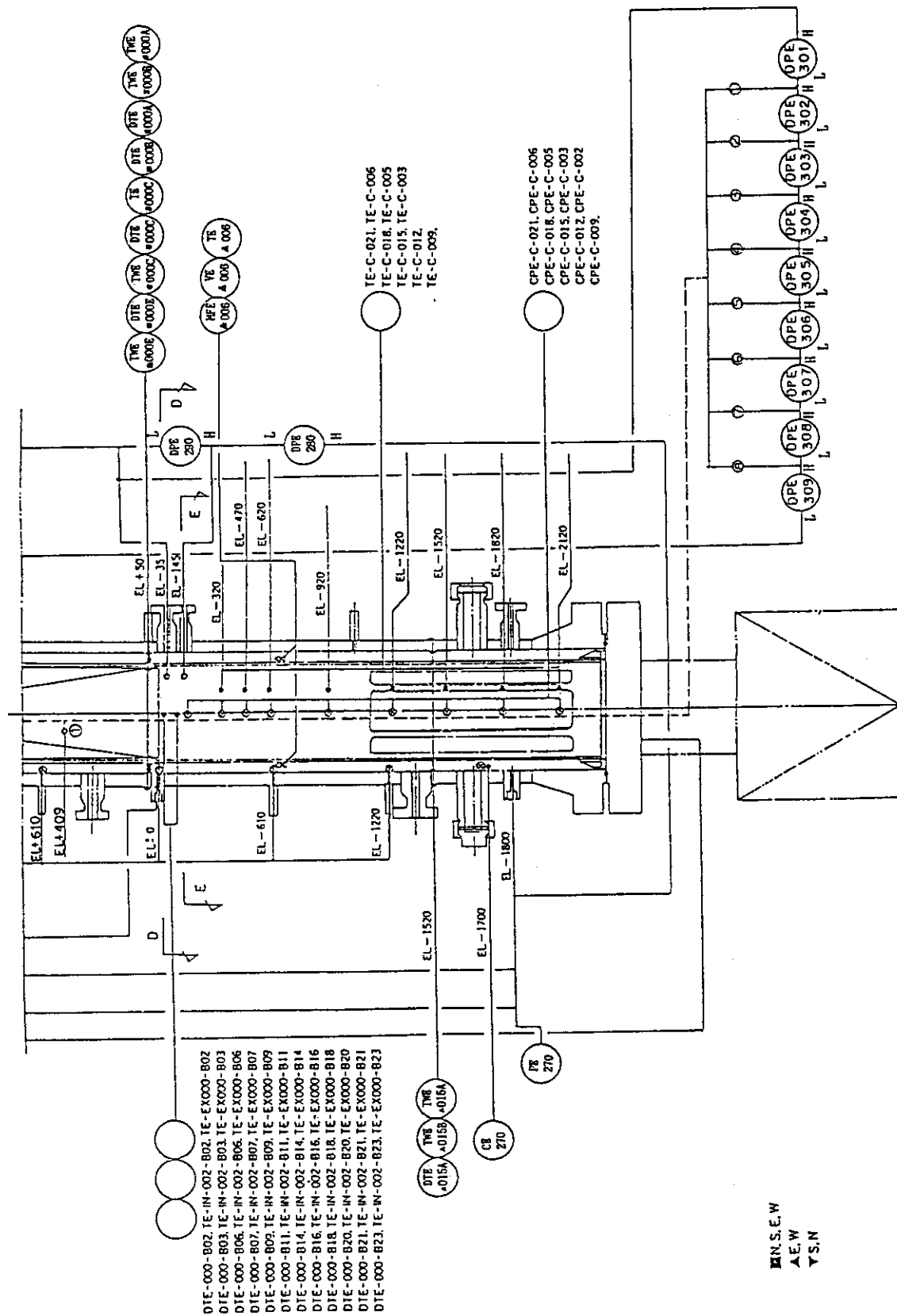
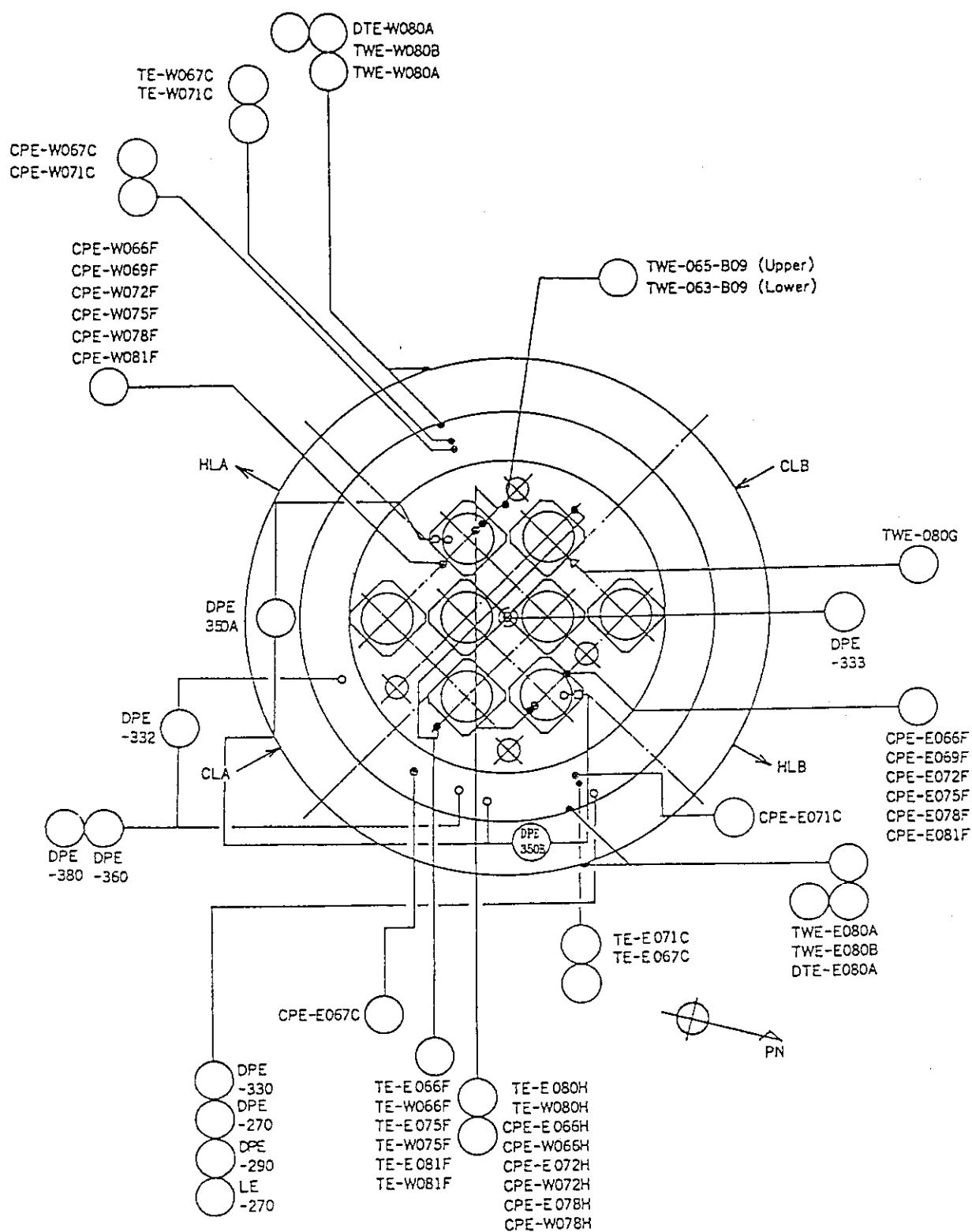


Fig. A.8(c) Vertical Locations of Pressure Vessel Instruments
(Except Simulated Core)(III)



A-A Crosssection

Fig. A.9(a) Horizontal Locations of Pressure Vessel Instruments (Except Simulated Core)(I)

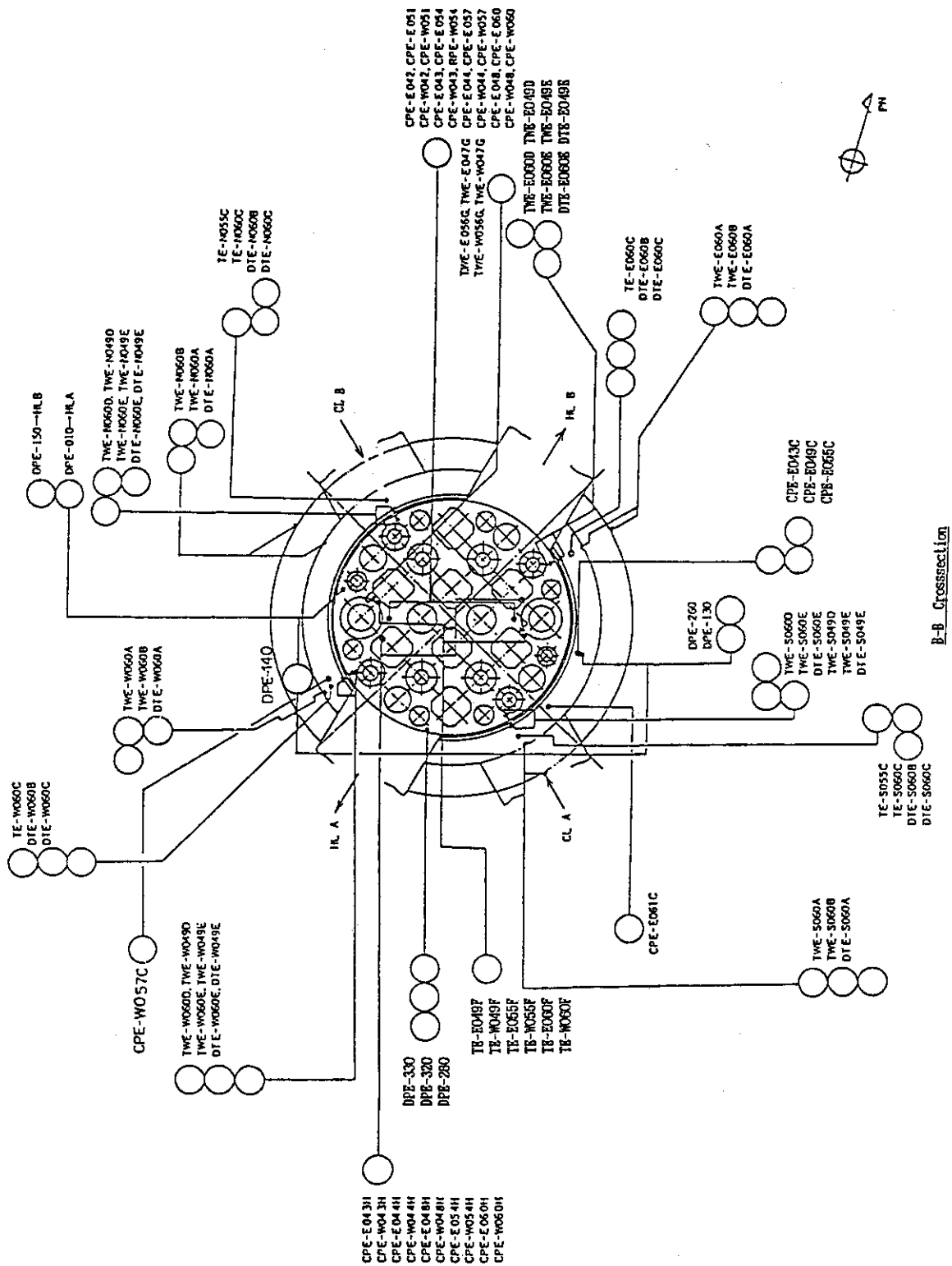


Fig. A.9(b) Horizontal Locations of Pressure Vessel Instruments
(Except Simulated Core)(II)

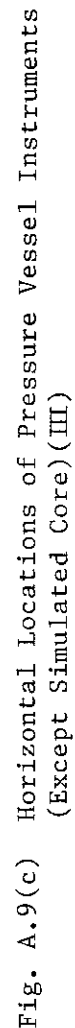


Fig. A.9(c) Horizontal Locations of Pressure Vessel Instruments
(Except Simulated Core)(III)

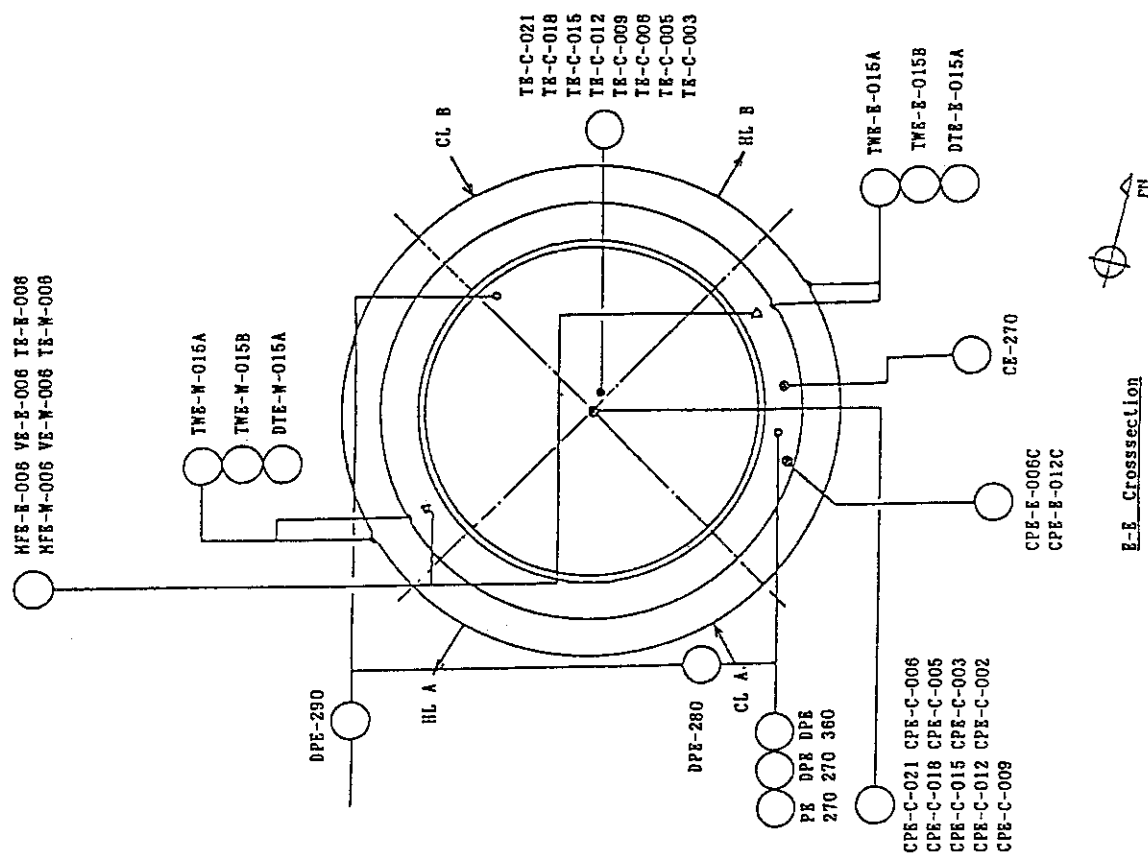


Fig. A.9(e) Horizontal Locations of Pressure Vessel Instruments (Except Simulated Core)(V)

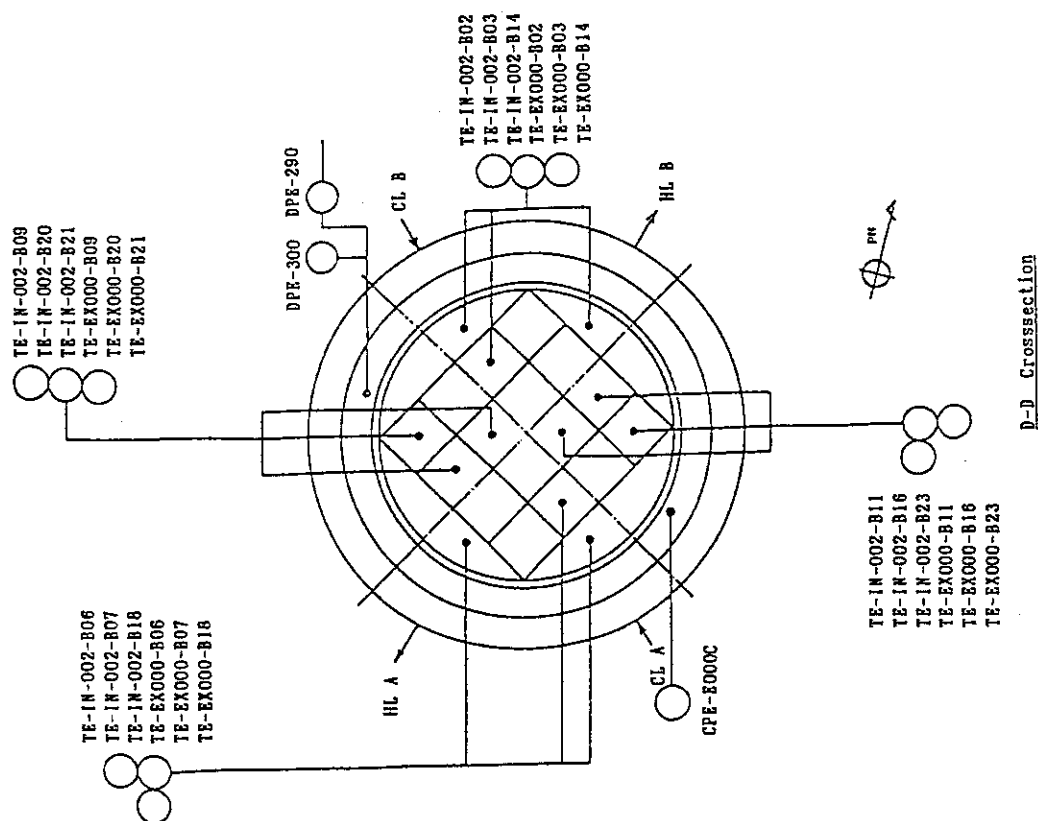


Fig. A.9(d) Horizontal Locations of Pressure Vessel Instruments (Except Simulated Core)(IV)

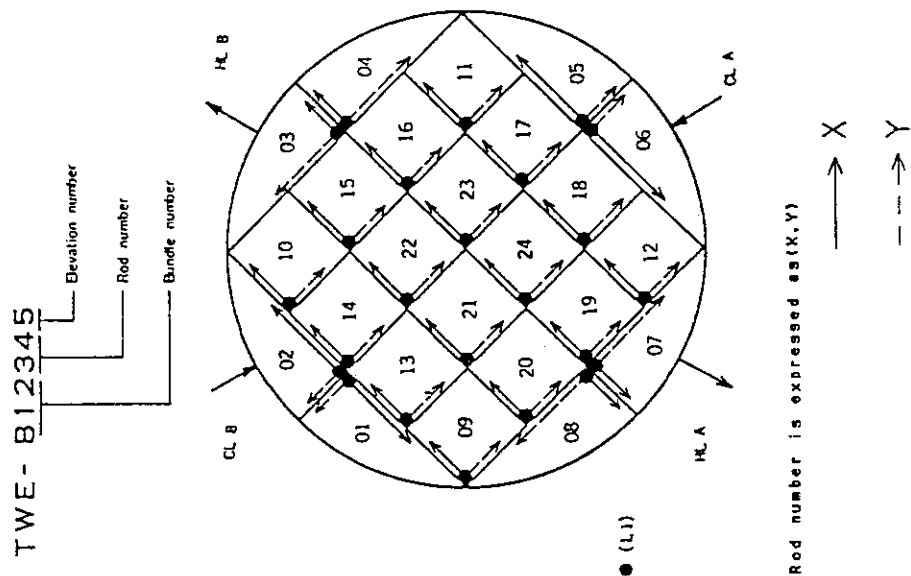
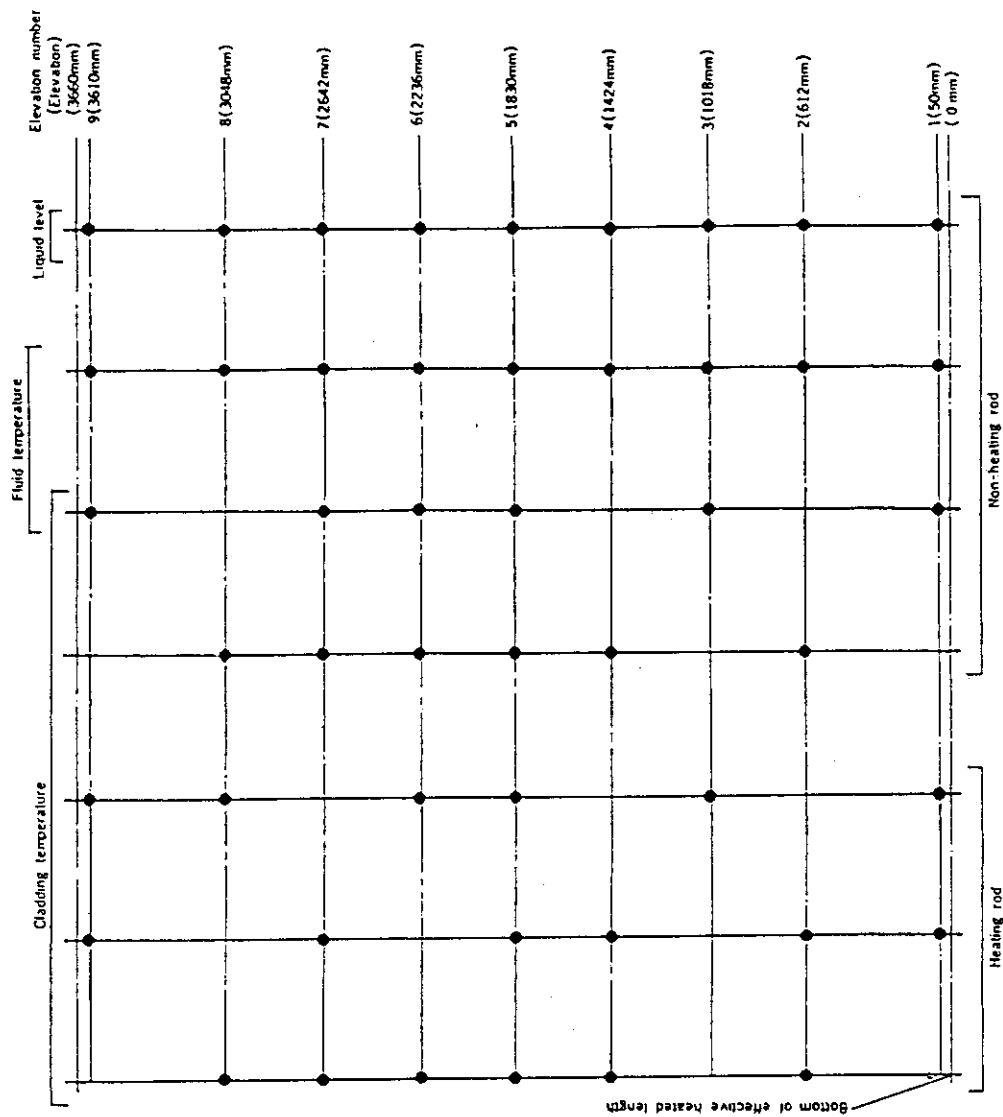


Fig. A.10 Locations of Simulated Core Instruments

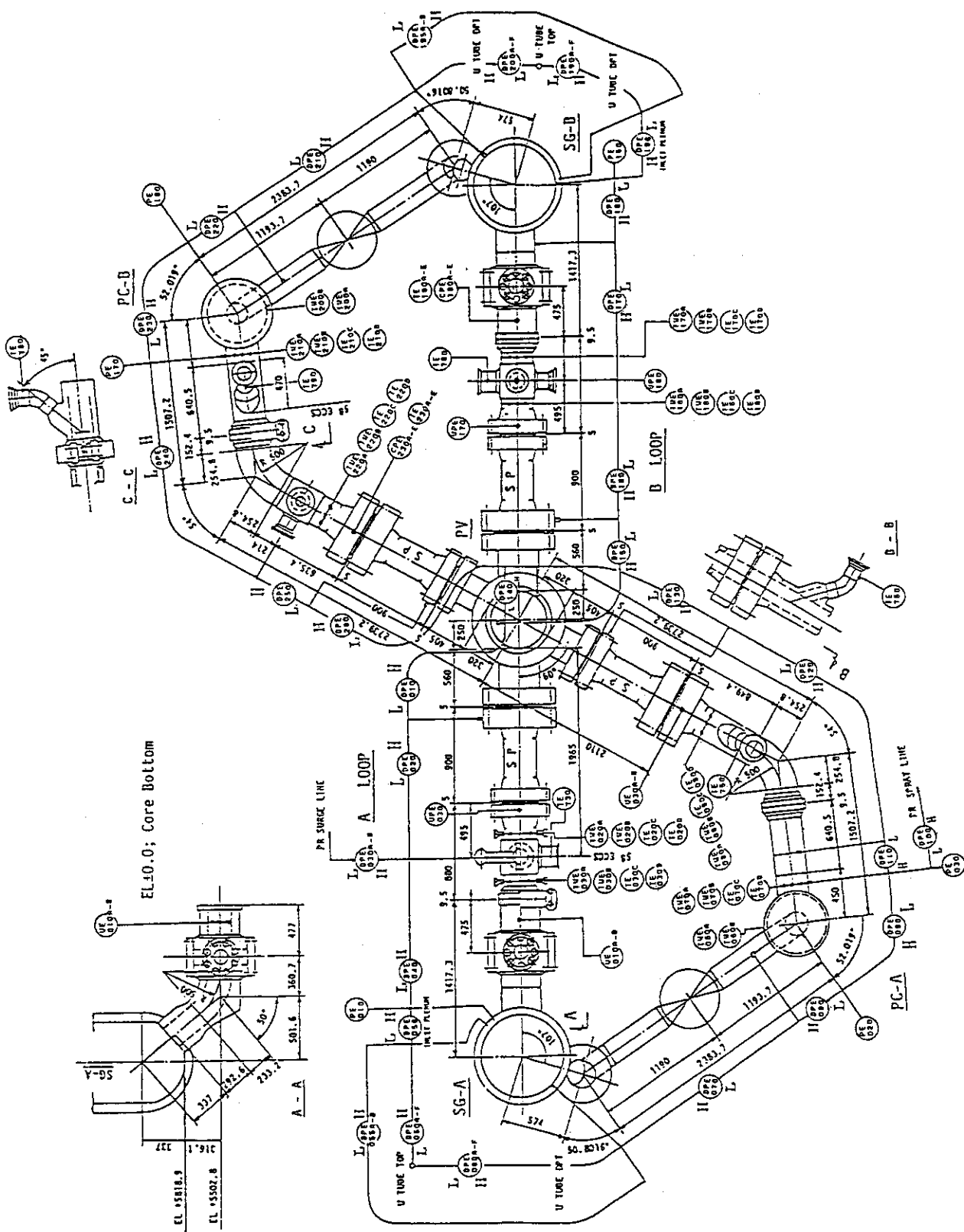


Fig. A.11(a) Locations of Selected Instruments on Primary Loops A & B

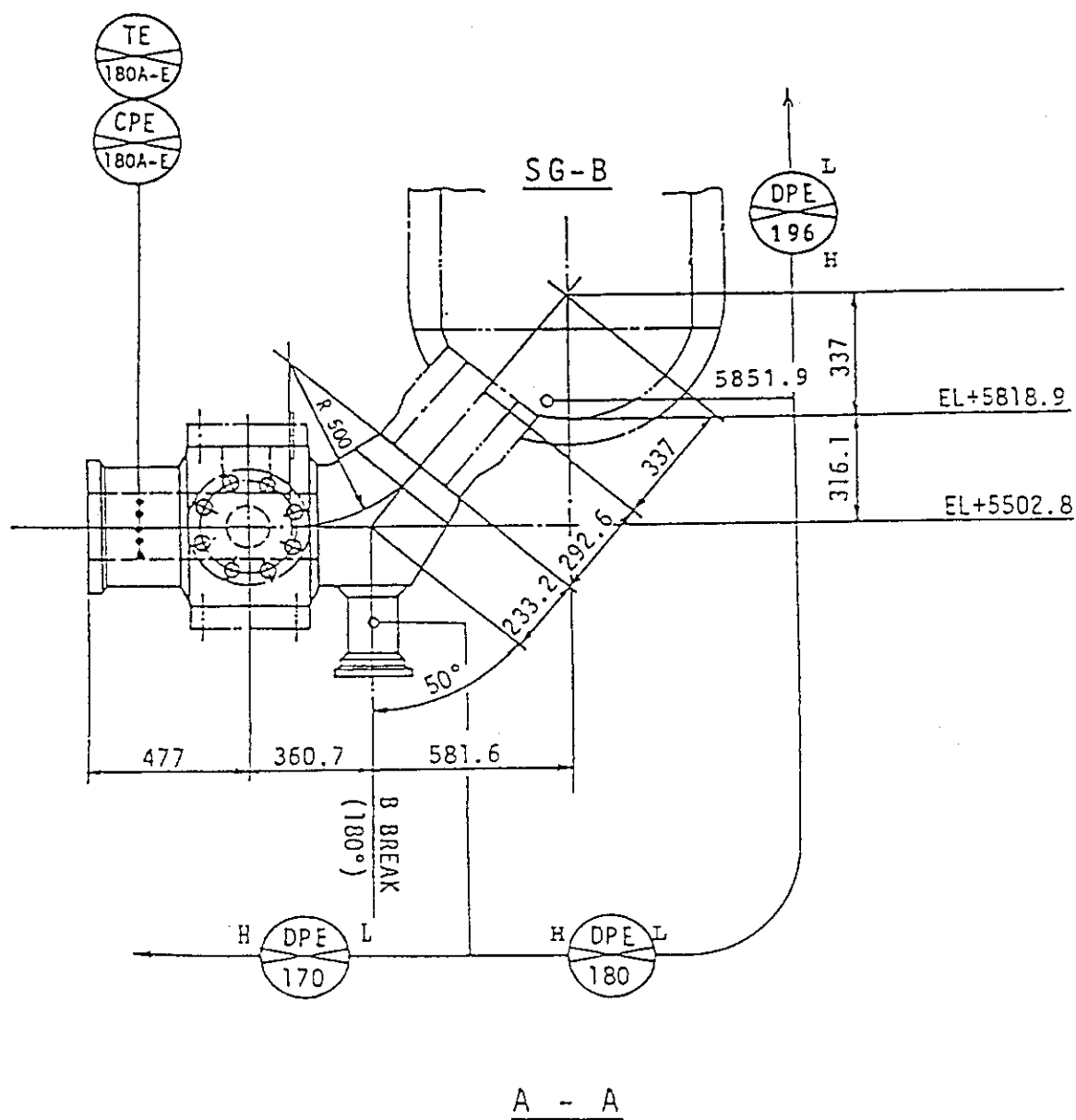


Fig. A.11(b) Instrument Locations of Inlet Pipe of Steam Generator B

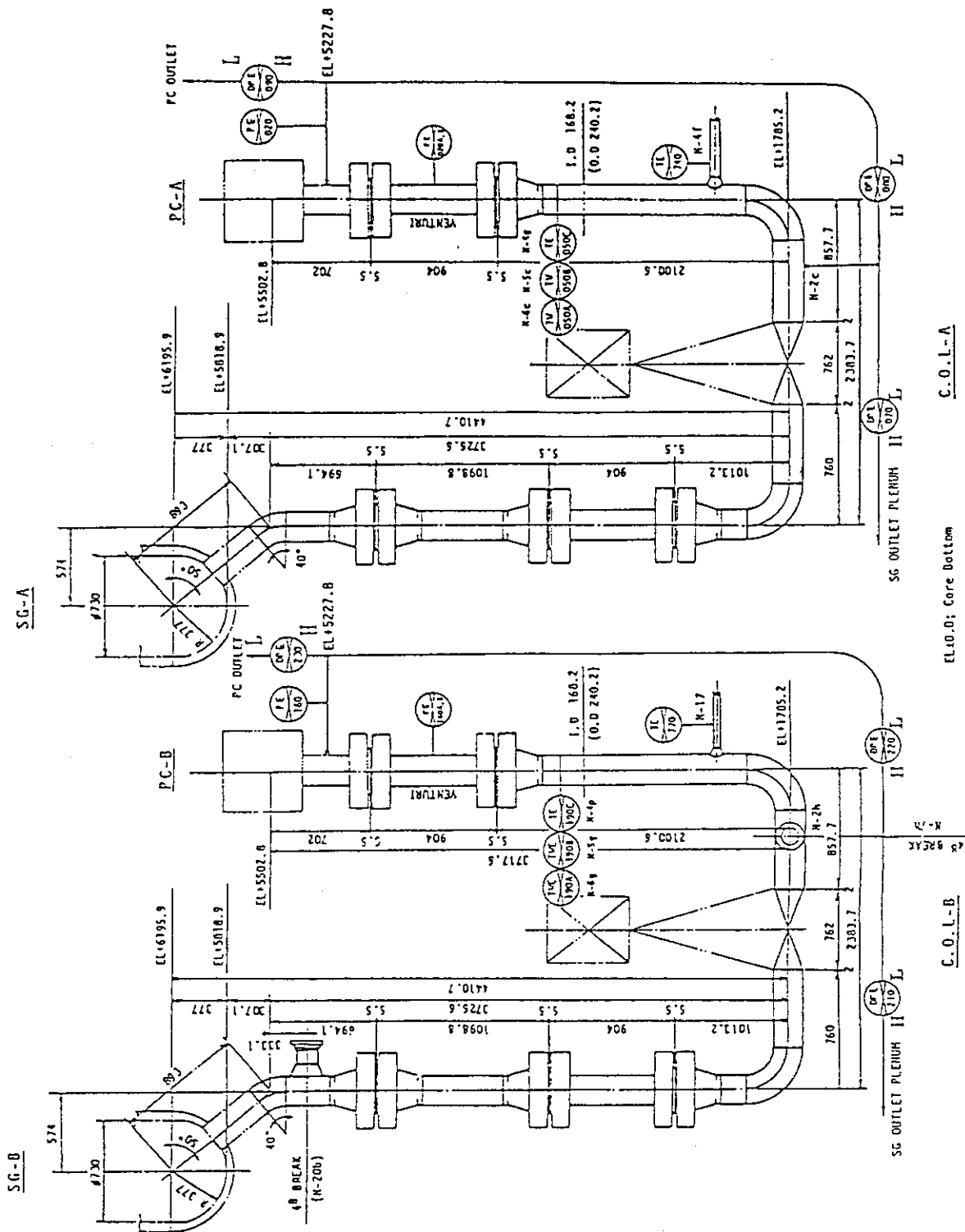


Fig. A.11(c) Locations of Selected Instruments on Crossover Legs A and B (I)

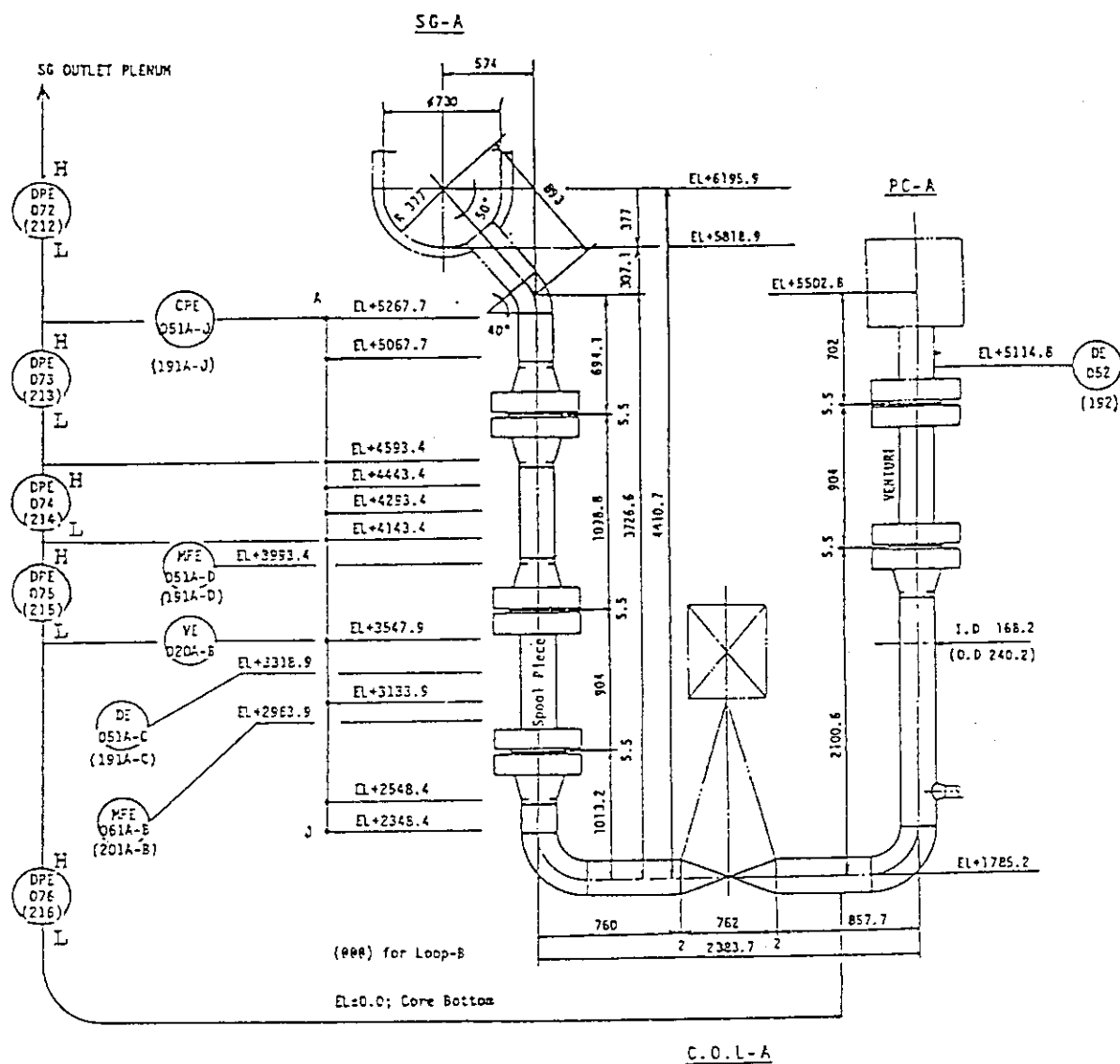


Fig. A.11(d) Locations of Selected Instruments on Crossover Legs A and B (II)

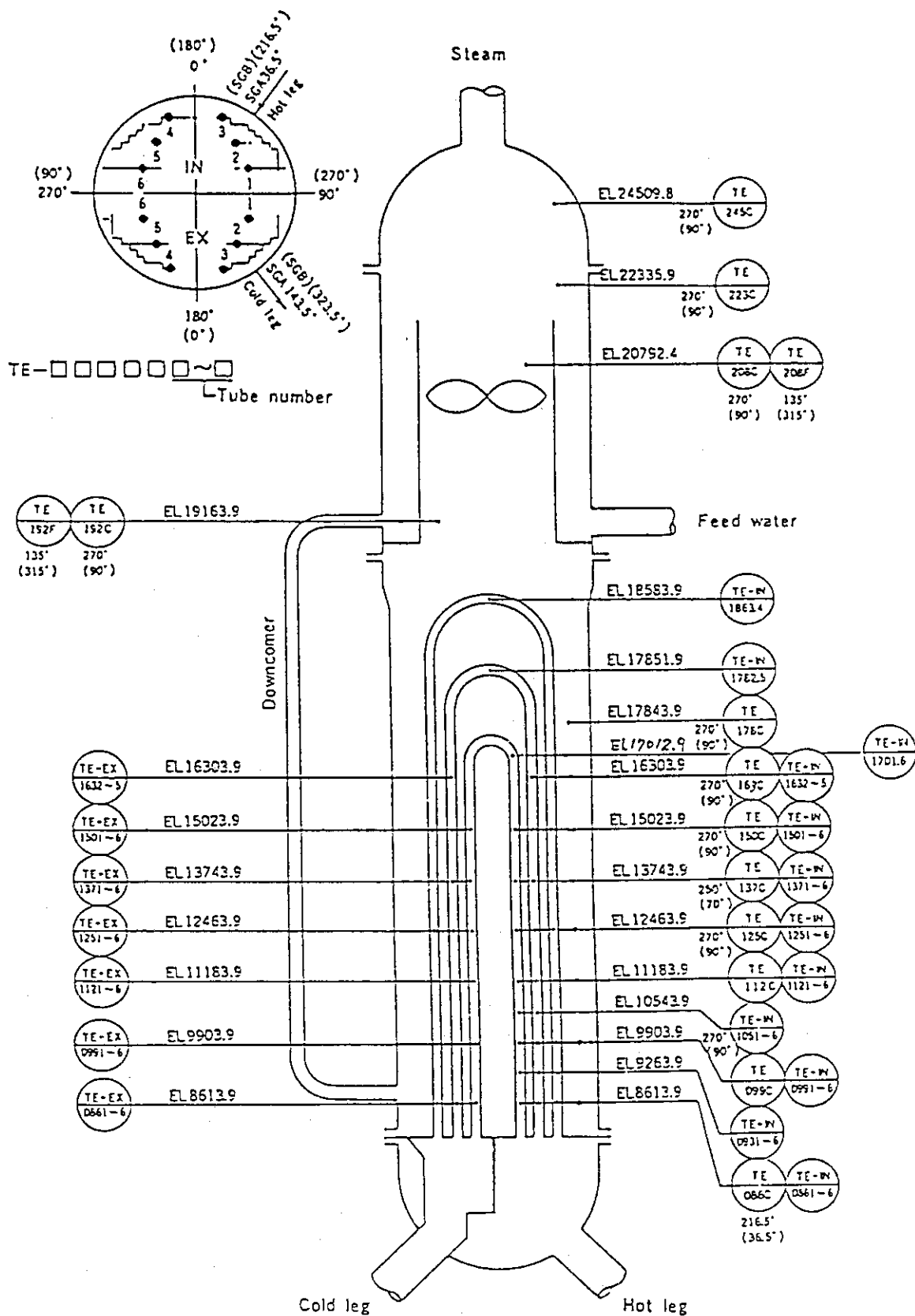


Fig. A.12(a) Locations of Temperature Measurements for Steam Generators A and B (I)

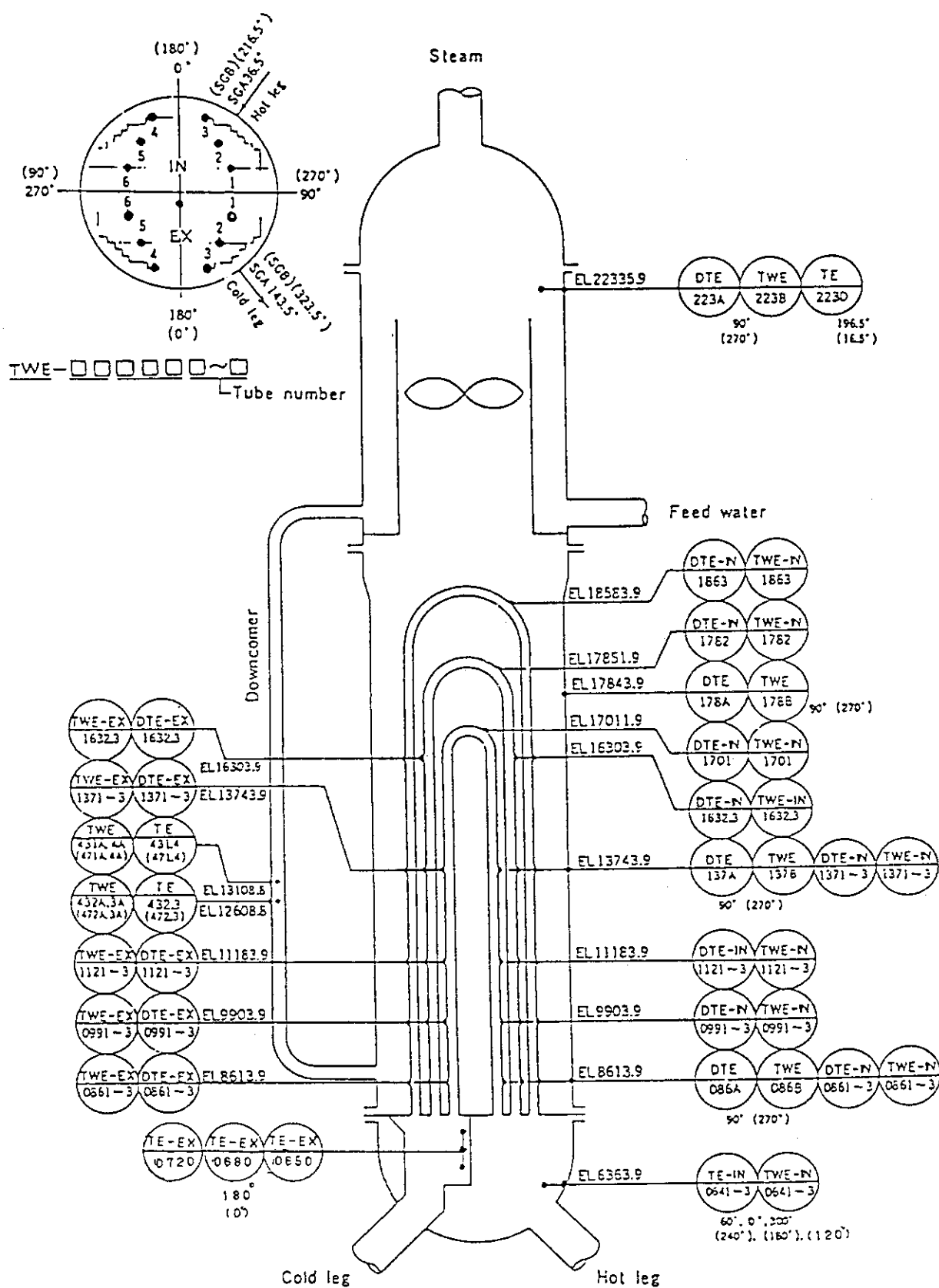


Fig. A.12(b) Locations of Temperature Measurements for
Steam Generators A and B (II)

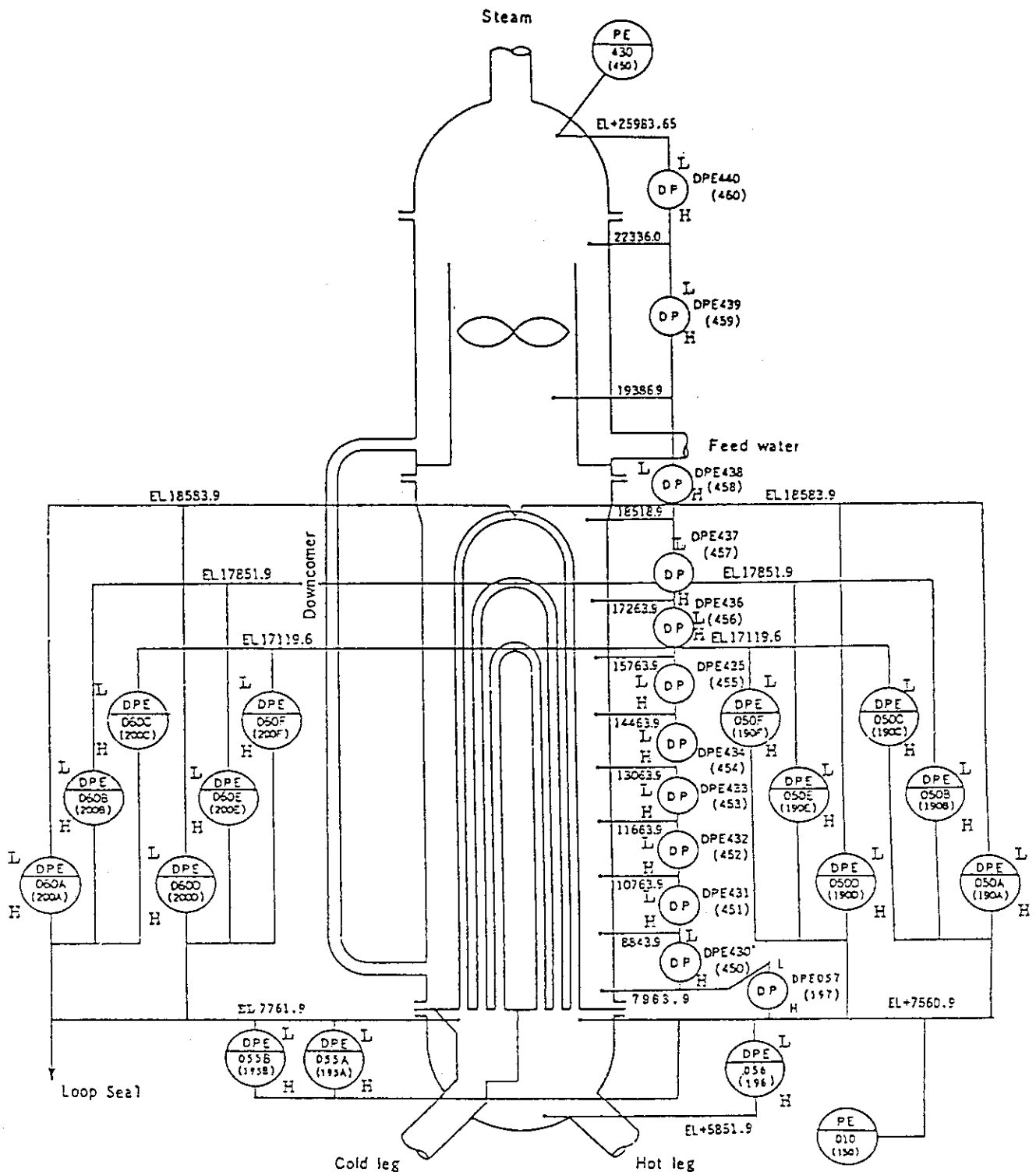


Fig. A.13 Locations of Pressure and Differential Pressure Measurements for Steam Generators A and B

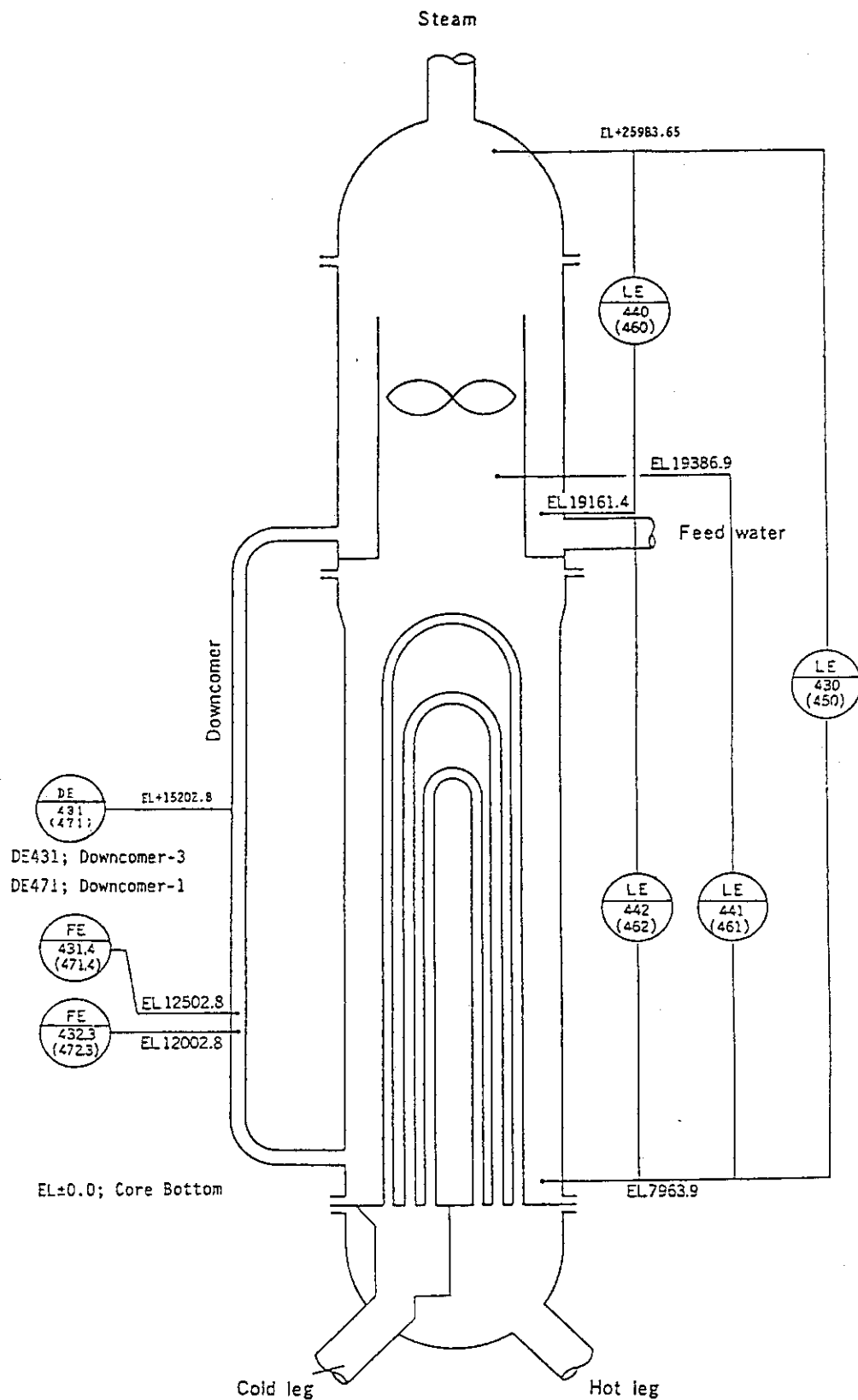


Fig. A.14 Locations of Steam Generators A and B Secondary Liquid Level and Downcomer Flow Measurements

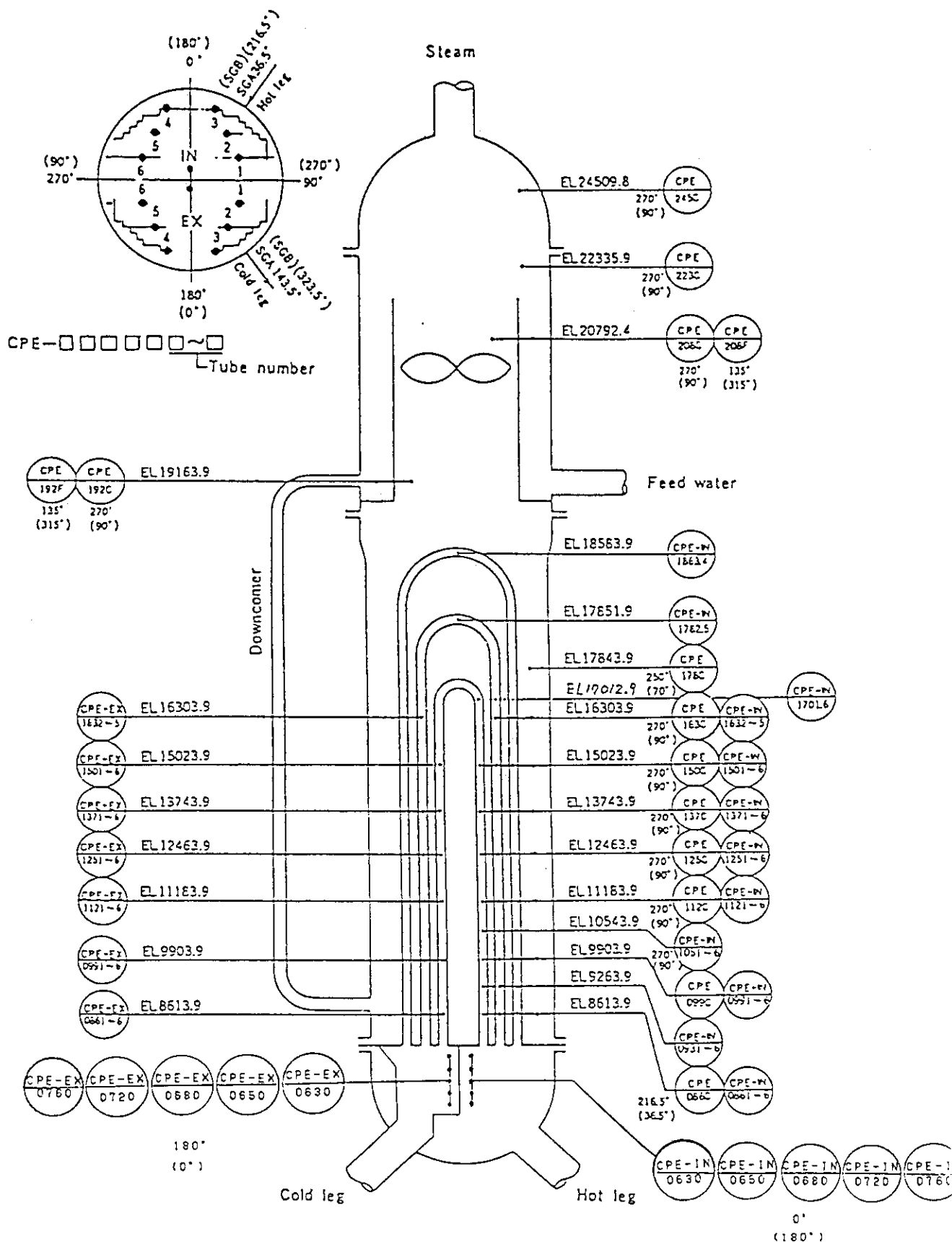


Fig. A.15 Locations of Steam Generators A and B Conductivity Probe Measurements

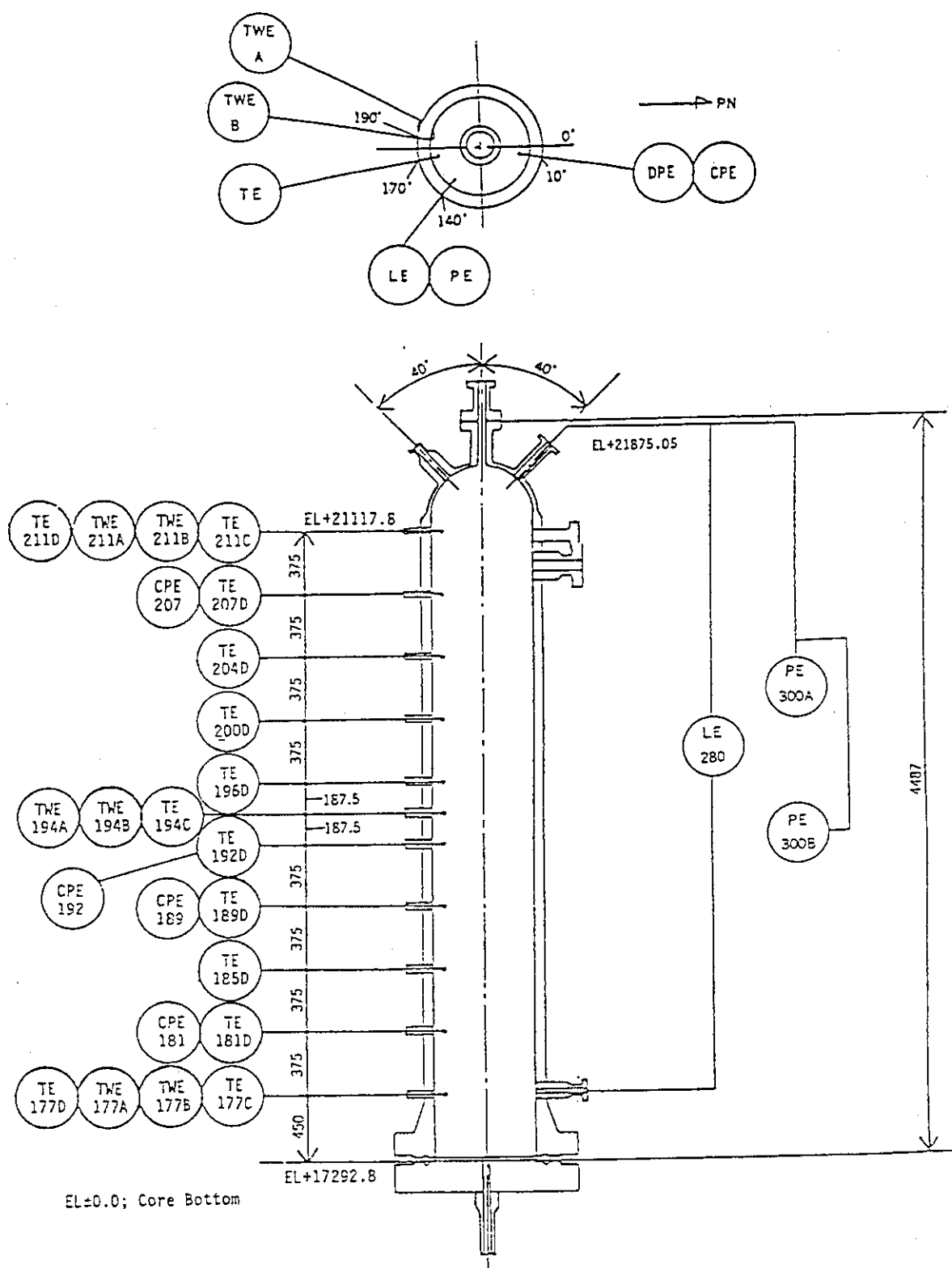


Fig. A.16(a) Locations of Selected Instruments on Pressurizer (I)

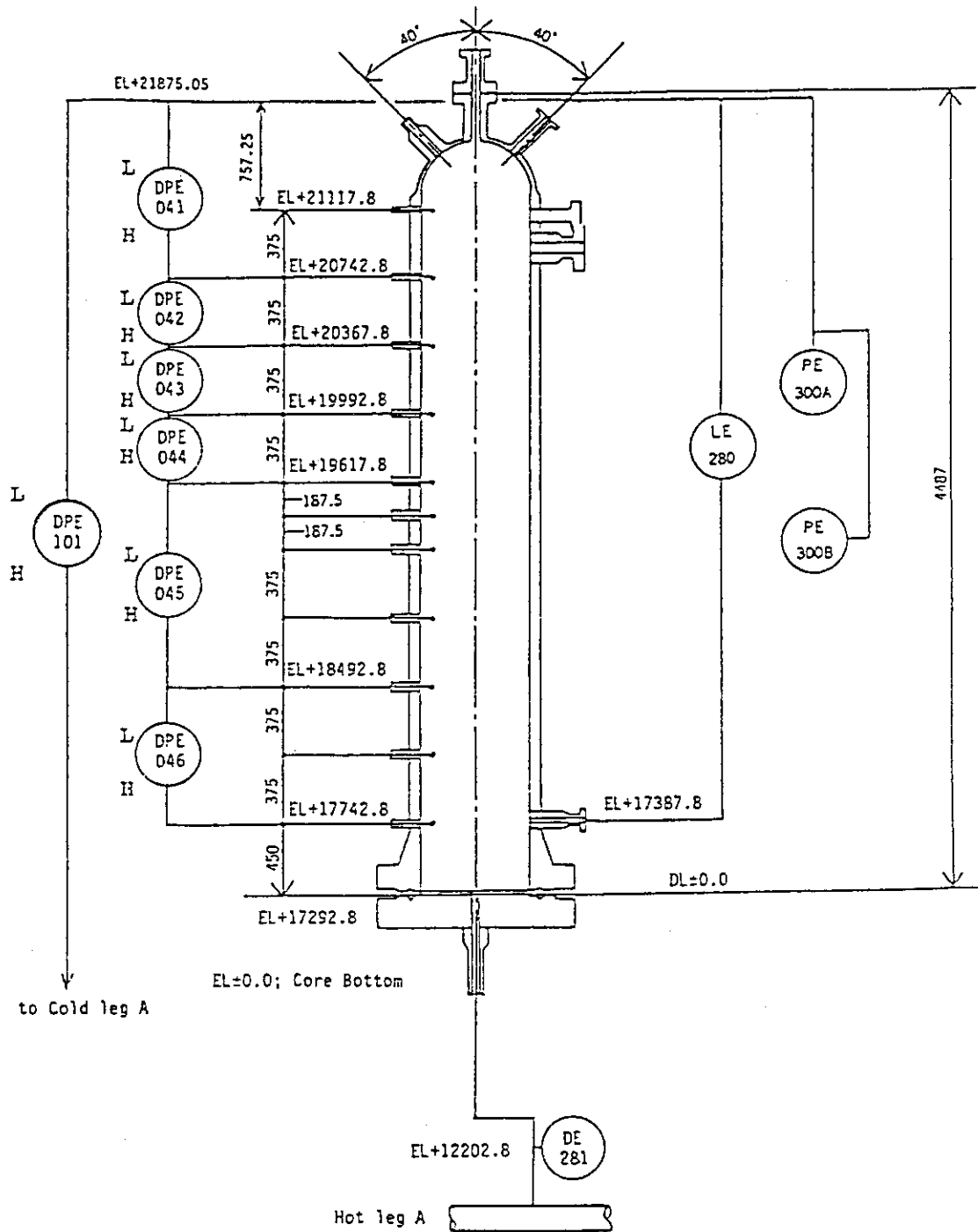
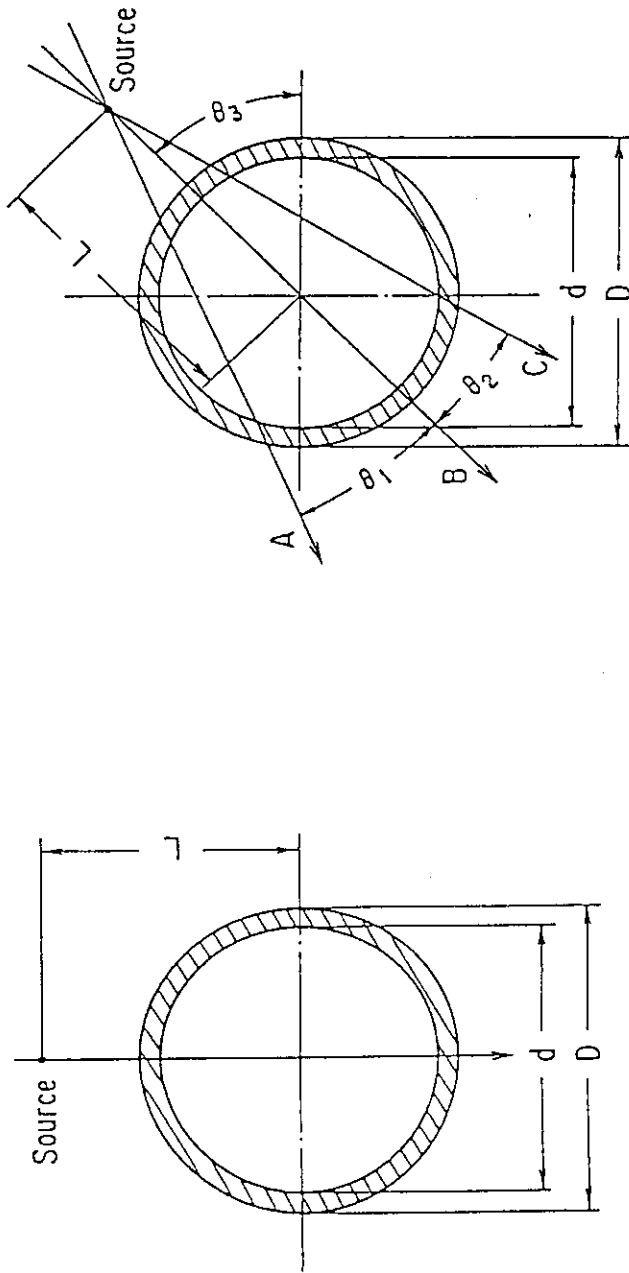


Fig. A.16(b) Locations of Selected Instruments on Pressurizer (II)



Single-Beam Densitometer

ID No	D (mm)	d (mm)	L (mm)	Pipe Name/Direction
DE 19	240.2	188.2	305.0	Loopseal A/Vertical
" 20	"	"	"	Loopseal B/"
" 21	89.1	66.9	155.0	PR Surge L."
" 22	48.6	34.4	145.0	PORV L./Horiz.
" 23	60.5	43.1	150.0	PR SV L/"
" 24	"	"	"	PR Vent L/"
" 25	114.3	97.1	170.0	SG-A DC/Vertical
" 26	"	"	"	SG-D DC/"

Three-Beam Densitometer

ID No	D (mm)	d (mm)	L (mm)	θ_1 (Degree)	θ_2 (Degree)	Pipe Direction/ θ_3
DE 1~3	295.0	207.0	212.9	22.10	14.35	HLA, Horiz./45.0
" 7~9	"	"	"	"	"	CLA, " / .
" 10~12	"	"	"	"	"	HLB, " / .
" 16~18	"	"	"	"	"	CLB, " / .
DE 4~6	240.2	168.2	240.0	15.9	11.2	LSA, Vertical/—
" 13~15	"	"	"	"	"	LSB, " / —
" 27~29	216.3	190.9	240.0	18.1	12.3	SGA, Horiz./
" 30~32	114.3	87.3	180.0	16.3	8.3	Break Unit, —
" 33~35	"	"	"	"	"	" " , —

Fig. A.17 Single- and Three-Beam Densitometers

APPENDIX B Data Reduction and Qualification Procedures

B.1 Data Reduction

The instrument signals are recorded on the data loggers, YEWCOM 700 and FACOM 3300, in volts. Data recording is initiated 300 s before break for the standard break experiments. The data are later converted into engineering units using appropriate conversion equations.

Many differential pressure (DP) transducers are used in the LSTF to measure not only DP but also liquid level and flowrate. Since the magnitudes of DPs are generally much smaller than the system absolute pressure, care is taken to maintain high accuracies for these measurements by conducting calibration tests and using the calibration data in the data reduction process.

In-test calibration of the transducer zero level is made by using remote-controlled valves in the pressure sensing lines, immediately before and after the test, and sometimes even during the test. The calibration is done, for each transducer, by first closing a valve in one of the two pressure sensing lines, and then nullifying the DP on the transducer by opening a "short circuiting" line parallel to the transducer. The transducer diaphragms are still subjected to the same high pressure as in the facility since one of the sensing lines remains open. The transducer output is recorded over about 200 s time period. In the data reduction process the time-averaged value of the above zero-calibration data, DP_z , is used to correct the raw DP data as follows:

$$DP^* = (\text{Raw DP Data}) - DP_z.$$

This zero-level correction is done for most of the important differential pressure transducers. These channels indicate discontinuous changes in the signal during the initial steady-state time period, preceding the break initiation, and/or after the experiment termination. These discontinuous changes are the zero-calibration data.

The zero level of the DP data is further redefined such that the indicated values are equal to the DP between the taps on the facility, rather than the DP across the transducer. This was done by adding the net static DP along the pressure sensing line to the DP on the transducer.

$$DP^{**} = DP^* + \rho g H,$$

where ρ is the density of fluid in the sensing line (water for most transducers), g is the acceleration due to gravity and H is the elevation difference between the DP taps on the facility. The water density is assumed to be 997 kg/m^3 for most of sensing lines which are exposed to air at room temperature. For those transducers which use oil-cooled sensing lines (DP 124 through 133), time-dependent values of the oil density, estimated from the temperature, are used.

The static pressure effects on transducer zero level are also corrected for data obtained using DP transducers. The pressure sensitivity of zero level is calibrated for each transducer in regular calibration tests.

Flowmeters and liquid level meters based on DP measurements require the knowledge of fluid density. The density (of single phase liquid or vapor) is calculated from the local pressure and temperature using the steam table. A detailed description of the data acquisition and reduction processes is given in an earlier report [8].

B.2 Data Qualification

All the data were manually qualified to prepare this report. The manual qualification procedure is based mainly on consistency check using comparison plots. In these plots, comparison of the readings of the instruments of the same type in proximity, comparison of the wide and low range instruments at the same location, and so on are made.

The conduction probes, about 20% of the data channels, were relatively easy to check for the failure because of the simplicity of the instrument response. For this experiment, more than 90% of CP sensors are damaged. Those suffer little from zero-level drift, such as pressure transducers, power meters, pump speed and vibration meters, and valve position indicators were also relatively easy to check for inconsistent readings.

The validity of the flowrate and differential pressure data depends mostly upon whether the reading is in the sensitive range of the measurement or not.

Table 2.2, the measurement list for the present test, includes a short statement on data quality for each data channel.

Data quality statements in this table are defined as follows:

GOOD means that the data have been reviewed manually and are believed to lie within the stated Span and Uncertainty values. These data can be used without reservation. However, in the case of conduction probe data, the use of data

is subjective. For example, estimation of void fraction from such data requires skill and experience. These data should be used only with caution.

BAD means the data are not usable, probably because of a failure in the measuring channel. These data should not be used.

UNUSED means the sensor are not connected or installed in the environment to be measured, or the measured region was not used for the experiment. These data should not be used.

UNQUALIFIED(QUESTIONABLE) means that the data were not or could not be qualified or classified with another category, i.e., the quality of these data could not be determined. But the data appear to reflect at least the qualitative changes in the environment and thus may provide limited information.

APPENDIX C Data Presentation

Most of experimental data obtained for Run SB-CL-27 are presented on microfiche contained in the inside back cover of this report. Figures on the microfiche are ordered as follows:

- | | | | |
|------|----|---|--|
| (1) | TE | : | Fluid temperature |
| (2) | DT | : | Differential temperature |
| (3) | TW | : | Heater rod and structure temperature |
| (4) | FE | : | Flow rate, measured with conventional (DP) flowmeters |
| (5) | PE | : | Pressure |
| (6) | MI | : | Miscellaneous instrument signals (power, rotating speed, etc.) |
| (7) | LE | : | Collapsed water level |
| (8) | DP | : | Differential pressure |
| (9) | MF | : | Momentum flux |
| (10) | DE | : | Fluid density |
| (11) | CP | : | Conduction probe signal |
| (12) | RC | : | Two-phase flow data calculated with MF, DE and others. |