High-Level Waste Tank Farm Set Point Document (U)

by

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DOE Contract No. DE-AC09-89SR18035

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**HIGH LEVEL WASTE ENGINEERING
SUPPORT SYSTEM ENGINEERING**

WSRC-TR-94-0400

REVISION: 0

KEYWORDS:

Setpoint
Instrument
Loop
Accuracy

RETENTION:

Permanent

CLASSIFICATION:

Paul D. McIntire
Authorized Derivative Classifier

HIGH LEVEL WASTE TANK FARM SETPOINT DOCUMENT (U)

by

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January 15, 1995

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INTRODUCTION

Setpoints for nuclear safety-related instrumentation are required for actions determined by the design authorization basis. Minimum requirements need to be established for assuring that setpoints are established and held within specified limits. This document establishes the controlling methodology for changing setpoints of all classifications.

The instrumentation under consideration involve the transfer, storage, and volume reduction of radioactive liquid waste in the F- and H-Area High-Level Radioactive Waste Tank Farms. The setpoint document (Appendix 2) will encompass the PROCESS AREA listed in the Safety Analysis Report (SAR) (DPSTSA-200-10 Sup 18) which includes the diversion box HDB-8 facility. In addition to the PROCESS AREAS listed in the SAR, Building 299-H and the Effluent Transfer Facility (ETF) are also included in the scope.

SUMMARY

The authorization basis as defined in DOE Order 5480.21 and Manual 11Q includes those aspects of the facility design basis relied upon by the Department of Energy to authorize facility operation. These aspects are considered vital to safe operation and safety of the facility personnel. This basis ultimately provides the acceptable bounds of operation.

Setpoints for nuclear safety-related instrumentation are required for actions determined by the design basis. As such, administrative policies and practices are needed to control these and other critical alarm and interlock setpoints that exist or will exist for High Level Waste facility equipment, components and systems. These controlling policies and practices have been implemented in the establishment of the High Level Waste Alarm Setpoint Document (ASPD)(J-JX-G-0001) and administrative procedures (Attachment 2).

Setpoint Changes per Manual E7, Conduct of Engineering and Technical Support Procedure Manual, must be controlled in accordance with division procedures. As such, Manual S4, WSRC High Level Waste Management Manual, is being modified to include a procedure that defines how permanent changes to setpoints used to assure compliance with the Technical Baseline documentation shall be controlled. This procedure will be consistent with, and referenced in the lower tier procedure WM-CM-4260, Waste Management Configuration Management Setpoint Control (U). These procedures, with associated changes, are anticipated to be revised, reviewed, and issued within one month from the date of issuance of this technical report. The Discussion portion of this report outlines the pertinent changes.

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DISCUSSION

LONG TERM PLAN

The purpose of this technical report is to define these requirements and to establish a basis for developing and maintaining "Setpoint Control" for instruments [A device used directly or indirectly to measure and/or control a variable. Instruments include primary elements, final control elements, computing devices, and electrical devices such as annunciators, switches, and pushbuttons. The term does not apply to parts (e.g., a receiver bellows or a resistor) that are internal components of an instrument.] and loops [A combination of two or more instruments or control functions arranged so that signals pass from one to another for the purpose of measurement and/or control of a process variable] (Ref. 2)

The HLW ASPD will be developed in three phases. The first phase (Phase I) will be a compilation of existing information void of technical basis data. The document will be compiled of loops. Phase I will be complete by January 15, 1995 with initial issue of this report.

Phase II will include technical basis justification for any loops credited as part of the current Safety Analysis effort. This effort will define any loops required to prevent offsite/onsite worker consequences beyond E7, Procedure 2.25 criteria. Uncertainty calculations for these loops will be completed and cross referenced by the ASPD. Phase II has a target completion date of December 30, 1995.

Phase III will include technical basis justifications for Production Support (PS) and General Service (GS) instruments, as deemed necessary. This Phase will be ongoing, as needs arise, to define basis information for PS/GS. Applicable components and associated range lists and tolerances will be included. Phase III has a target completion date of December 30, 1996.

When issued, the ASPD will be the defined, controlling document for all setpoints. No other database, whether it be WMS, personal computers, or others, will be controlled for setpoints. The ASPD will become the central document for Engineering, Operations, Procedures, Training, Work Control, Maintenance and others to both input to and use from, thereby establishing consistency and control. Accordingly, no other setpoint database should be used.

SETPOINT ESTABLISHMENT

Physical barriers are designed into nuclear related facilities to prevent the uncontrolled release of radioactivity. Safety limits are chosen to maintain integrity of these physical

barriers. These limits can be defined in terms of directly measured process variables such as pressure or temperature. They can also be defined in terms of calculated variables involving two or more measured process variables.

The safety analysis establishes an analytical limit in terms of measured or calculated variables and requires protective action begin within a specific time after that value is reached. Satisfying these constraints will ensure that the safety limit will not be exceeded during anticipated operational occurrences and design basis events. Choosing a limiting safety system setting (LSSS) to begin protective action will ensure that the consequences of a design basis event are not more severe than the safety analysis predicted. A LSSS, derived from an analytical limit, is published in the authorization basis documents and maintained by plant operation procedures. This system setting normally has two components, called a trip setpoint and its allowable value.

In industry, the basis for selection of a trip setpoint (technical basis) is normally documented and will include the data, assumptions, and development methods. The data used is taken from operating experience, equipment qualification tests, vendor design specifications, engineering analysis, laboratory tests, and certified engineering drawings. Any assumptions used, such as ambient temperature during equipment calibration and operation, are clearly identified. This technical basis is the data upon which the setpoints are based. An allowance is provided between the trip setpoint and the analytical limit to ensure a trip before the analytical limit is reached. The allowance will account for all applicable design basis events and process instrument uncertainties unless they are included in the determination of the analytical limit. A repeatable offset of fixed magnitude is accounted for in the setpoint calculation or during instrument calibration.

Trip setpoints and safety analysis limits will be located in the portion of the instrument's range where the accuracy is within the accuracy required by the setpoint analysis.

SETPOINT MAINTENANCE (Ref. 4)

Maintenance of setpoints will include all actions taken to assure that instrumentation is installed and continues to operate with the design requirements used to establish the setpoints. These actions will include but are not limited to:

Initial Calibration

Installation of new components shall be processed in accordance with E7 procedure 2.05, Plant Modification Traveler (U). All instruments and instrument channels should have some form of preoperational testing, using written procedures, performed upon them as soon as practical after installation and prior to being placed in service. Inability to perform such testing should be documented and justified.

Operation

Periodic testing and maintenance are performed to ensure that trip setpoints remain within their established limits during operation. Formal documentation is necessary to support the investigation and documentation of any occurrence where a limit is exceeded, in the high or low direction as applicable.

Tests performed to satisfy OSR/Tech Standards requirements will use written procedures to verify the proper operation of instruments and instrument channels. This verification will be achieved by recording of sufficient "as found" data to determine the setpoint in terms of the measured or derived process variables, prior to any adjustment. "As Found" data will be the data taken during the first traverse in the direction of concern during test. If "as found" data indicates that instrument adjustment is necessary, documentation of the testing and "as found" data is all that is required. If there is need for adjustment, the "as found" and "as left" data will be recorded. If "as found" data show that an allowable value was exceeded, the appropriate action for reporting the event based on indeterminate previously accepted operations or measurements will take place. This action will include investigation to determine the cause of the event, and appropriate corrective action to prevent a recurrence.

Replacement

Replacement materials, parts and components will be identical to the original equipment, or evaluated and documented to be equivalent or better in performance to that called for in the basis for the setpoint. Where it is impractical to comply with the original design basis requirements for the setpoint, the setpoint will be evaluated to take the replacement equipment's performance into account.

SETPOINT CONTROL

Modifications to alarm & interlock set points are currently controlled by HLWE per the E7 Manual, Procedure 2.05, Plant Modification Traveler (PMT). Procedure 2.05 clearly states that Setpoint Changes are not addressed by 2.05 and are to be controlled in accordance with division procedures. This statement will be implemented within HLW facilities covered by this document to mean that Setpoint Changes to the Alarm Setpoint Document (ASPD) will be controlled with division procedures via the Design Change Form (DCF) process. The only exception to this policy will be Setpoint Changes to the ASPD as a result of a new project. In these cases, Design Change Notices (DCNs) may be used in lieu of DCFs. A PMT will be used for any modifications to structures, systems (hardware and process software), or components (SSCs) that are configuration controlled. These modifications may or may not require setpoint changes to the ASPD.

The Division Procedure that provided guidance for controlling Setpoint Changes to the Alarm Setpoint Document was OP4.08 of the S1 Manual. This procedure has been canceled. A new Division Procedure, ENG.XX, Rev A in the S4 Manual is currently under development. This new procedure is consistent with and will be referenced in the Department level procedure governing Setpoint Control, WM-CM-4260, Waste Management Configuration Management Setpoint Control (U). WM-CM-4260 states that modifications to set-points shall be controlled in accordance with the requirements of procedure WM-CM-4201, Waste Management Configuration Management Modification Control Plan (U). The utilization of DCFs to change the ASPD satisfies the WM-CM-4201, WM-CM-4260, and ENG.XX, Rev A requirements.

The DCF is used to request, document, and process a change to a technical baseline document after its release for use. The responsibilities associated with the DCF are delineated in E7, 2.37, Design Change Form (U). These responsibilities include the requirements for the HLWE Cognizant Engineers/System Engineers to: evaluate the DCF for technical acceptability, provide technical justification for the DCF, and perform Unreviewed Safety Question Determinations (USQDs). For HLWE, the technical evaluation is completed in accordance with: E7, 3.14, Design Authority Technical Reviews (U); WM-CM-4260; and WM-NS-7012, Technical Reviews (U). These technical reviews include but are not limited to: determining the effects of process hazards, waste tank top loading, nuclear safety and environmental compliance; performing an environmental compliance review; completing the Design Authority Technical Report [for Nuclear Safety (NS), Critical Protection (CP) and Production Support (PS)], the Process Hazard Review Report, the USQ Report, the HLW Environmental Compliance Checklist and the Tank Top Load Form.

Attachment 1 of this Technical Report, which will be Attachment 1 of WM-CM-4260, delineates the "flow" for changing the ASPD. The flow chart outlines the requirements to both change the setpoint in the field and to appropriately document this change in the set point database and associated ASPD. The setpoint database will be updated and maintained by the ASPD Custodian (HLWE). The ASPD will be the controlled document (J-JX-G-0001) maintained in document control. The ASPD Flow Chart, as delineated in Attachment 1, is initiated by anyone identifying the need for work in the form of, or as the result of NCRs, REAs, DCFs, DCPs, PCRs, IPCs or other work initiators which affect setpoints. After these initiators are submitted, the Engineer would then flow through the process mentioned above to determine that the DCF is the instrument to be used to cause the ASPD to be changed.

The information within the ASPD was compiled from the following sources: the Material and Equipment (M&E) Lists found within project files identified existing components; the SPF drawing files from the site IBM Mainframe 7171 were used to locate components absent from the M&E Lists; the Maintenance Baseline Program (MBP) (Contractor walkdowns and as-built generated P&IDs) generated the loop activities; and the records

within existing preventive maintenance files contained the setpoint data sources. (Normally WMS or other facility specific setpoint uncontrolled databases).

The ASPD (J-JX-G-0001) and TR (WSRC-TR-94-0400) provide the information required to complete the data sheet/work-sheet (Attachment 2 of WM-CM-4260). The ASPD and associated Technical Report (TR) will be available through Document Control.

Software copies of data sheet/work-sheet will be available from the ASPD Custodian (HLWE) during normal working hours. Although it is possible to complete setpoint changes in the field during off normal hours, it will not be possible to change the Setpoint Database and the ASPD unless the flow chart (Attachment 1 of WM-CM-4260) and the data sheet/work-sheet (Attachment 2 of WM-CM-4260) are complete. The Engineer requesting the change is responsible for routing and completion of the data-sheet/work-sheet. When requesting/completing a ASPD change, the Engineer shall complete both DCF and Attachment 2 of WM-CM-4260 providing all data with particular emphasis on the Technical Basis for new/changed setpoints. Provision of Technical Basis data is critical to maintaining an accurate and useful ASPD.

HLWE is currently developing training to allow setpoint change originators to become proficient with this methodology.

SETPOINT (GENERAL)

Interim System Design Descriptions (ISDDs) and System Design Descriptions (SDDs) are issued to provide a compilation of information available to the Design Authority at the time of approval. The Design Authority is ultimately responsible for the technical content and configuration control of ISDDs and SDDs, as with any facility Technical Baseline Document.

Setpoints, where applicable, are listed in ISDDs and SDDs. All users of ISDDs and SDDs shall refer to the ASPD, in document control, for the accurate and controlled version of associated setpoints. Future SDD and ISDD revisions may simply reference J-JX-G-0001 in the SETPOINT section.

The High Level Waste Master Tracking System (MTS/PCMS) contains several action items taken from the Corrective Action Report 93-CAR-22-006 and Audit/Surveillances HLW-HLQ-94-0099 and HLW-SUP-94-0195. These items resulted from the issues associated with the WSRC High Level Waste Management IPI Action Plan, HLW-HLM-930216. These actions will be delineated in the **ACTIONS** section of this report. Unless otherwise indicated, target completion dates will be defined in terms of Phases as outlined in the **SUMMARY** section of this report. Accordingly, this report supersedes the IPI Action Plan, HLW-HLM-930216.

ACTIONS

The following actions are provided based on the results of this evaluation:

1. Provide written justification for engineering data for each loop for OSR Instrumentation, MTS No. 93372-14,46, Ref PCMS No 93588,93624. Target completion by Phase II.
2. Generate equipment record change for each loop for OSR Instrumentation, MTS No. 93372-15,50, Ref PCMS No 93589,93628. Target completion by Phase II.
3. Engineering to determine requirements for technical evaluation and setpoint documentation, MTS No. 93372-16, Ref PCMS No 93592. Target completion by Phase I.
4. Develop matrix of instruments addressed in each block by facility, MTS No. 93372-17, 18,19,20, Ref PCMS No 93593,94,95,96. Target completion by Phase III.
5. Assimilate engineering data for each entry in the instrument matrix OSR Instrumentation, MTS No. 93372-8,25,26,27, Ref PCMS No 93582,93601,02,03. Target completion by Phase II.
6. Assimilate engineering data for each entry in the instrument matrix for General Instrumentation, MTS No. 93372-28, Ref PCMS No 93604. Target completion by Phase III.
7. Complete required reading issued to engineering personnel of a flowchart that defines procedure interfaces for setpoint control, MTS No. 93693-10, Ref PCMS No 93730. Target completion by March 1, 1995.
8. Initiate incorporation of the setpoint control procedure interface flowchart into the setpoint control procedures where appropriate, MTS No. 93693-11, Ref PCMS No 93731. Target completion by January 18, 1995 (6?).
9. Provide written justification for engineering data for each loop for General, Operational, and Environmental Instrumentation, MTS No. 93372-14,46,47,48,49, Ref PCMS No 93588,93624,25,26,27. Target completion by Phase III.
10. Generate equipment record change for each loop for Operational and General Instrumentation, MTS No. 93372-52,53, Ref PCMS No 93630,31. Target completion by Phase III.

11. Generate equipment record change for each loop for Environmental, MTS No. 93372-51, Ref PCMS No 93629. Target completion by Phase III.

REFERENCES

1. Operational Safety Requirements, F-and H-Area High-Level Radioactive Waste Tank Farms, WSRC-RP-92-1044 DRAFT, September 7, 1993.
2. Setpoints for Nuclear Safety-Related Instrumentation, ANSI/ISA-S67.04, February 4, 1988.
3. Conduct of Engineering and Technical Support (U), Procedure Manual E7, Rev 11.
4. Control of Installed Process Instruments (U), WM-QI-1122, April 12, 1994.
5. Conduct of Operations Requirements For DOE Facilities, DOE 5480.19, May 18, 1992.
6. General Design Criteria, DOE 6430.1A, April 6, 1989.
7. Technical Reviews, WM-NS-7012, October 27, 1994.
8. Waste Management Work Control, WM-WC-2000, December 7, 1994.
9. Waste Management Configuration Management Configuration Management Modification Control Plan, WM-CM-4201, February 22, 1994.
10. Waste Management Configuration Management Setpoint Control, WM-CM-4260, November 10, 1993.

ATTACHMENT 1

ASPD FLOW CHART

- Responsible person (RP) initiates/completes DCF in accordance with E7, 2.37. RP will obtain a DCF number from document control. The RP enters the document control issue date (i.e., the date the DCF number is issued). Any required setpoint data will be available in document control via the HLW Tank Farm documents J-JX-G-0001 and WSRC-TR-94-0400. The DCF to authorize setpoint change will be against J-JX-G-0001. All DCFs against J-JX-G-0001 will be considered "CP" and state "CP" status in text.
- All remaining flow chart activities will be initiated during normal working hours. All activities must be completed prior to close-out of the setpoint change package. Field turnover to Operations may be completed at the discretion of RP.
- RP requests current data on Attachment 2 of WM-CM-4260 from ASPD Custodian (HLWE).
- RP makes required changes on Attachment 2 of WM-CM-4260 per the referenced procedures and documents. RP signs and dates Attachment 2.
- Attachment 2 forwarded by RP to IPI Coordinator for review. Coordinator incorporates necessary changes and additional information into the IPI Database, signs and dates Attachment.
- IPI Coordinator forwards Attachment 2 to ASPD Custodian (HLWE) for review and incorporation into Alarm Setpoint Database, as appropriate. Custodian signs and dates.
- ASPD Custodian makes copy of Attachment 2 and forwards original to RP. Custodian places the copy (Completed Attachment 2 of WM-CM-4260) in record.
- RP includes original of Attachment 2 with DCF Package and forwards to document control.

WSRC-TR-94-0400

January 15, 1995

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ATTACHMENT 2

**(THIS ATTACHMENT IS A COPY OF J-JX-G-0001.)
(ALL DCFs WRITTEN TO CHANGE SETPOINTS WILL)
(BE WRITTEN AGAINST J-JX-G-0001 NOT THIS TECHNICAL REPORT)**

Document # J-JX-G-0001 Rev. 0
(Ref: WSRC-TR-94-0400)

H,F-TANK FARM, NWTf, ETF, 299H ALARM SETPOINT DOCUMENT

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 1

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS										Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		Assigned NO.	IDP #
F	242-016	HV	LOOP				664	FM EVAP OVERHEADS VAMP LOOP	3	ml/hr				M- M6-F- 2985	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3224-WMO 21182101
F	641E	HV	LOOP					F HIGH POINT VAMP LOOP	3	ml/hr						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0882-WMO 21182101
F	641E	HV	LOOP					F HIGH POINT VAMP LOOP	3	ml/hr						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0883-WMO 21182101
FL	241-		LOOP				6651LA	CRC COL HI LEVEL LIQUID							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2420XA1	CRC GAMMA MONITOR HI ACTIVITY							709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				6613LA	CRC SYSTEM HI HI LEVEL HOLD TANK							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				6611LA	CRC SYSTEM HI HI LEVEL PUMP TANK							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				6614LA	CRC SYSTEM LOW LEVEL HOLD TANK							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				6612LA	CRC SYSTEM LOW LEVEL PUMP TANK							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2335FA	CTS CAM LOW FLOW							709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2000LA3	CTS LOOP CO#1 HI LEVEL NEAR PIT							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2000LA6	CTS FDBB LOOP CO#2 HI LEVEL	1/4	IN					709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3128-WMO
FL	241-		LOOP				2000LA8	CTS LOOP CO#3 HI LEVEL							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2000LA9	CTS LOOP CO#4 HI LEVEL							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2000LA10	CTS LOOP CO#5 HI LEVEL							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-		LOOP				2000LA11	CTS LOOP CO#6 HI LEVEL							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
FL	241-			LOOP			2000LA13	CTS LOOP CO#7 HI LEVEL TO TANK 34						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2000LA12	CTS LOOP CO#8 HI LEVEL TO TANK 33						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2335XA	CTS PUMP PIT HI ACT AIR	2400	CPM				705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0126-WMO		
FL	241-			LOOP			2345EA	CTS PUMP PIT VENT BLOWER #1 FAILURE						705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2345EA-1	CTS PUMP PIT VENT BLOWER #2 FAILURE						705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2342PA	CTS PUMP PIT VENT FILTER HI DP						705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2338PA	CTS PUMP TANK LO VAC						705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			408AA-S15	CTS STEAM LO PRESSURE						230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2380LA7	DDB-1 FDB-2 MLDB 8 COND PROBE STUB NOZ 27	1/4	IN				709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3085-WMO		
FL	241-			LOOP			2380LA12	DDB-3 FDB-2 DRAIN MLDB 4 COND PROBE	1/4	IN				709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3083-WMO		
FL	241-			LOOP			2380LA4	DDB-3 FDB-2 MLDB COND PROBE NOZ 15-NOZ 32	1/4	IN				709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3088-WMO		
FL	241-			LOOP			2000LA1	EVAP CTS PIT CO HI LEVEL						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2000LA2	EVAP VENT CO#1 HI LEVEL NEAR EVAP						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2000LA4	EVAP VENT FDB8 CO#28 HI LEVEL	1/4	IN				709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3131-WMO		
FL	241-			LOOP			2000LA5	EVAP VENT CO#3 HI LEVEL						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
FL	241-			LOOP			2000LA7	EVAP VENT CO#4 HI LEVEL NEAR TANK 7						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			

(FL & FM: F Tank Farm) (HA: 2000-H) (HE: ETF) (HG: NWTF) (HL & HM: H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 3FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
FL	241-			LOOP			2395PA2	FDB-1 GANG VALVE LO STEAM						705966		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			FDB-1	FDB-1 HIGH RADIATION MONITOR FAILURE						709764		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			1533FA	FDB-2 AIR SAMPLE FAN LO FLOW						709763		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			1533XA	FDB-2 HI ACT AIR	3	ml/hr				709763		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1206-WMO MTE-F-3229-WMO
FL	241-			LOOP			1533XT1	FDB-2 HIGH RADIATION MONITOR FAILURE						709764		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			1526PA	FDB-2 LO VAC	2	INWC				709763		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0152-WMO
FL	241-			LOOP			1534WA	FDB-2 PURGE BLOWER FAILURE						709763		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			1531PA	FDB-2 PURGE FILTER HI DP	4	INWC				709763		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0153-WMO
FL	241-			LOOP			2360LA14	FDB-3 FDB-2 MLDB 8 COND PROBE NOZ 17-NOZ 30	1/4	IN				709765		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3097-WMO
FL	241-			LOOP			FDB-3	FDB-3 HIGH RADIATION MONITOR FAILURE						709764		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			918XT1	FDB-4 HIGH RADIATION MONITOR FAILURE						709764		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2360LA9	IAPT FDB-2 MLDB 3 COND PROBE	1/4	IN				709765		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3082-WMO
FL	241-			LOOP			2360LA10	IAPT FDB-2 MLDB 2 COND PROBE	1/4	IN				709765		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3091-WMO
FL	241-			LOOP			2360LA11	IAPT FDB-2 LDB COND. PROBE						709765		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2360LA8	IAPT FDB-4 MLDB 5 COND PHOBE NOZ 1, NOZ1A-CONC	1/4	IN				709765		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3094-WMO
FL	241-			LOOP			438LH AN1-1	TK 1 TANK TOP HI RADIATION/FAILURE	3	ml/hr				S5-2-9029 S5-2-9030		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1277-WMO

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIENT											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
FL	241-			LOOP			2015LA	TK 1 WEST RISER LEVEL PROBE	1/4	IN				709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2950-WMO
FL	241-			LOOP			2360LA13	TK7 FDB-2 DRAIN MLDB COND PROBE NOZ 31	1/4	IN				709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3096-WMO
FL	241-			LOOP			880LA2	TK 26 CTS LIQUID IN RISER BUBBLER						709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			199PA	TK 26 HI BACKFLUSH PRESSURE						709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			881LA2	TK 27 CTS LIQUID IN RISER BUBBLER						709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			882LA2	TK 28 CTS LIQUID IN RISER BUBBLER						709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2288PA	TK 33 ANN AIR HEATER LO STEAM PRESSURE						708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2284XA	TK 33 ANN ESH HI ACT AIR						709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2284FA	TK 33 ANNULUS CAM LOW FLOW						709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2380LA16	TK 33 FDB-3 MLDB 1 COND PROBE	1/4	IN				709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3106-WMO
FL	241-			LOOP			2289LA	TK 33 HI HI LEVEL COND PROBE						709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2285XA	TK 33 PURGE EXH HI ACT AIR						709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2280TA2	TK 33 STEEL WALL LO TEMP						708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			2282PA	TK 33 TANK TO ANN HI DP						705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			436LH AN1-2	TK 33 TANK TOP HI RADIATION/FAILURE						S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			GV 3334	GV FOR TKS 33 & 34 HIGH RADIATION MONITOR FAILURE						709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(0-IA 290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:23:01 PM
Page 5FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Assigned No.	IDP #	
FL	241-			LOOP			2311PA	TK 34 ANN AIR HEATER LO STEAM PRESSURE							708845	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2307XA	TK 34 ANN ESH HI ACT AIR							709762	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2307FA	TK 34 ANNULUS CAM LOW FLOW							709763	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2285FA	TK 34 ANNULUS CAM LOW FLOW							709763	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2309TA2	TK 34 CONDENSER CWR LO TEMP	55	degC					709763	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-1908-WMO
FL	241-			LOOP			2360LA15	TK 34 FDB-3 MLDB 2 COND PROBE	1/4	IN					709764	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3107-WMO
FL	241-			LOOP			2314LA	TK 34 HI HI LEVEL COND PROBE							709762	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2310XA	TK 34 PURGE EXH HI ACT AIR							709763	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2305TA2	TK 34 STEEL WALL LO TEMP							708845	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			2308PA	TK 34 TANK TO ANN HI DP							705967	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	
FL	241-			LOOP			438LH AN2-2	TK 34 TANK TOP HI RADIATION/FAILURE						S5-2-9029 S5-2-9030	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>		
FL	241-			LOOP			1533XA	FDB-2 HI ACT AIR (CONTROL RM CAM MONITOR)	2400	CPM					709763	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-0113-WMO
FL	241-			LOOP			6087A1	IAPT FDB-2 PUMP TANK LEVEL LOOP	61	IN					709765	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-1319-WMO
FL	241-			LOOP			6093A3	IAP FDB-2 PUMP PIT LEVEL LOOP	5	IN				E EW G 0128	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-1321-WMO	
FL	241-			LOOP			6094A	IAP FDB-2 LOW FLOW LOOP	70	GPM				E EW G 0128	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-1306-WMO	
FL	241-			LOOP			6087A	IAP FDB-2 PT1 SPECIFIC GRAVITY LOOP	20/58	INWC				E EW G 0128	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-1237-WMO	

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 6FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W OF OTHER TYPE	ASSIGNED NO.	IDP #
FL	241-			LOOP			6093A1 6093A2	IAP FDB-2 SUMP LEVEL LOOP	12 9	INWC				EEWG 0128	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1256-WMO MTE-F-1257-WMO
FL	241-			LOOP			6051A1	IAL WW TANK LEVEL	36 48	INWC				EEWG 0128	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1233-WMO
FL	241-			LOOP			6095C	IAP PRESSURE LOOP	215	PSIG				E EWG 0128	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-			LOOP			6061C	IAL NaOH/NaNO2 TANK LEVEL (TRUE) LOOP	1-2spgTL	WT				E EWG 0137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1247-WMO
FL	241-			LOOP			6051C	IAL PH AND TANK LEVEL LOOP	118	PH INWC				E EWG 0136	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1254-WMO
FL	241-			LOOP			6087C2	IAL PT1 SET # LEVEL LOOP	1-2spgTL	WT				E EWG 0137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1245-WMO
FL	241-			LOOP			502PS	FDB-1 SUMP LEVEL LOOP	3	INWC				W239221	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0504-WMO
FL	241-			LOOP			X3099 2380	DB2 WASTE LINE LD CONDUCTIVITY PROBES - IAL LDB 1	1/4	IN					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3099-WMO
FL	241-			LOOP			X3100 2380	DB2 WASTE LINE LD CONDUCTIVITY PROBES - IAL LDB 2	1/4	IN					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3100-WMO
FL	241-			LOOP			408	FDB-2 GANG VALVE CONTROL LOOP	40	PSIG				709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1859-WMO MTE-F-1860-WMO
FL	241-			LOOP			409	FDB-2 SUMP LEVEL LOOP	2	INWC				E EWG 0128	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0411-WMO
FL	241-			LOOP			1632TC	FDB-2 PURGE REHEATER CONTROLLER LOOP	40	degC				709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0971-WMO
FL	241-			LOOP			1533	FDB-3 HIGH RADIATION LOOP	3	m/hr				W716334	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1276-WMO
FL	241-			LOOP			949LA2	CTS FDB6 LOOP COM23 HI LEVEL	1/4	IN				709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3127-WMO
FL	241-			LOOP			5180	IAL PT1 SUMP LEVEL LOOP	21	INWC				E EWG 0137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1221-WMO MTE-F-1222-WMO
FL	241-			LOOP			918XT1	FDB-4 PT2 LO LEVEL LOOP	18/14	INWC				709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1261-WMO MTE-F-1262-WMO

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page: 7

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W OF OTHER TYPE			
FL		241-000		LOOP			410LS	241F CATCH TANK LEVEL LOOP	60	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0391B-WMO
FL		241-003		LOOP				CTS LD LOOP LINE 301	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3157-WMO
FL		241-003		LOOP				CTS LD LOOP LINE 303	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3160-WMO
FL		241-003		LOOP				CTS LDB 1	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3158-WMO
FL		241-003		LOOP				CTS LDB 2	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3161-WMO
FL		241-003		LOOP				CTS LDB 3	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3156-WMO
FL		241-003		LOOP				CTS LDB 4	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3159-WMO
FL		241-003		LOOP				CTS LDB 5	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3162-WMO
FL		241-003		LOOP			410	CTS PIT VACUUM LOOP	0.1/0.4	INWC				W706247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0386B-WMO
FL		241-003		LOOP			9012	CTS HEPA FILTER "A" DP LOOP	5	INWC				W706247		☒ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0923-WMO
FL		241-003		LOOP			9013	CTS HEPA FILTER "B" DP LOOP	5	INWC				W706247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0924-WMO
FL		241-003		LOOP			2348	CTS DEMISTER VACUUM LOOP	0	INWC				W706247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0385-WMO
FL		241-003		LOOP			2350	CTS TANK TO PIT VACUUM LOOP	01	INWC				W705966		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0384A-WMO
FL		241-003		LOOP			2347	CTS CONDENSER TEMP CONTROLLER LOOP	40	degC				W706247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0976-WMO
FL		241-003		LOOP			2347	CTS PURGE REHEATER TEMP CONTROLLER LOOP	40	degC				W706247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0975-WMO
FL		241-003		LOOP			250	CTS VAMP	3	m/hr				W705966		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3219-WMO

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	Δ/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
FL	241-003			LOOP				CTS VAMP	3	mt/hr					W705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0378-WMO
FL	241-003			LOOP		2338		CTS VAMP	3	mt/hr					W705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3210-WMO
FL	241-003			LOOP				FDB1 VAMP	3	mt/hr					W705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1067-WMO
FL	241-013			LOOP		0x062RIT		WPH AREA RADIATION VAMP ALARM LOOP	3	mt/hr						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3213-WMO
FL	241-64			LOOP		1471WA		AIR COMPRESSOR #1 SHUTDOWN						705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-64			LOOP		1470WA		AIR COMPRESSOR #2 SHUTDOWN						705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-64			LOOP		1472PA		AIR HEADER LO PRESSURE	80	PSIG				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0151-WMO	
FL	241-64			LOOP		1467PA		AIR RCVR LO PRESSURE						705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-901			LOOP		2009PA		TK 1 ANN HI/LO PRESSURE	0 4.0	INWC INWC				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0367-WMO	
FL	241-901			LOOP		2014LA		TK 1 EAST RISER LEVEL PROBE	1/4	IN				709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2952-WMO	
FL	241-901			LOOP		2012LA		TK 1 HI HI LEVEL COND PROBE	1/4	IN				709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3146-WMO	
FL	241-901			LOOP		2007PA		TK 1 PURGE FILTER HI DP	1 1.5	INWC INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0167-WMO MTE-F-0167-WMO	
FL	241-901			LOOP		2005TA2		TK 1 STEEL WALL LO TEMP	25	deg C				708845 704199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3327-WMO	
FL	241-901			LOOP		2008PA		TK 1 TANK TO ANN HI DP	4	INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0168A-WMO	
FL	241-902			LOOP		2035PA		TK 2 ANN HI/LO PRESSURE	0.2 2.5	INWC INWC				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0369-WMO	
FL	241-902			LOOP		2040LA		TK 2 EAST RISER COND PROBE NORTH	1/4	IN				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2956-WMO	

(FL & FM - F Tank Farm) (H-A 200H-0) (H-E ETF) (H-G-NWTF) (H-L & H-M - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
FL	241-902		LOOP				2039LA	TK 2 HI HI LEVEL COND. PROBE	1/4	IN				709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2955-WMO
FL	241-902		LOOP				2033PA	TK 2 PURGE FILTER HI DP	0.2 1.7	INWC INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0233-WMO
FL	241-902		LOOP				2031TA2	TK 2 STEEL WALL LO TEMP	2.0	deg C				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3328-WMO
FL	241-902		LOOP				2034PA	TK 2 TANK TO ANN HI DP	4	INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0235-WMO
FL	241-902		LOOP				438LH AN2-1	TK 2 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1299-WMO
FL	241-902		LOOP				2041LA	TK 2 WEST RISER COND. PROBE SOUTH	1/4	IN				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2954-WMO
FL	241-903		LOOP				438LH AN3-1	TK 3 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1285-WMO
FL	241-903		LOOP				2070PA	TK 3 ANN HI LO PRESSURE	2 2.5	INWC INWC				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0514-WMO
FL	241-903		LOOP				2074LA	TK 3 HI HI LEVEL COND. PROBE	1/4	IN				709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-903		LOOP				2088PA	TK 3 PURGE FILTER HI DP	1.5	INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0387-WMO
FL	241-903		LOOP				2088TA2	TK 3 STEEL WALL LO TEMP	2.5	deg C				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3329-WMO
FL	241-903		LOOP				2089PA	TK 3 TANK TO ANN HI DP	4	INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0187-WMO
FL	241-903		LOOP				2076LA	TK 3 WEST RISER LEVEL PROBE SOUTH	1/4	IN				709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2958-WMO
FL	241-904		LOOP				438LH AN4-1	TK 4 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1351-WMO
FL	241-905		LOOP				2110PA	TK 5 ANN HI LO PRESSURE	0.5 2.5	INWC INWC				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0283-WMO
FL	241-905		LOOP				2108PA	TK 5 PURGE FILTER HI DP	0.1 1.5	INWC INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0237-WMO

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR						
EC	A BLDG SYS FUN SEQ SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Assigned No.	IDP #
FL	241-905	LOOP	2106TA2 TK 5 STEEL WALL LO TEMP	25	deg C				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3331-WMO
FL	241-905	LOOP	2109PA TK 5 TANK TO ANN HI DP	4	INWC				705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0236-WMO
FL	241-905	LOOP	438LH AN5-1 TK 5 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1282-WMO
FL	241-908	LOOP	438LH AN6-1 TK 6 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0267-WMO
FL	241-917	LOOP	3205LA TK 17 HI HI LEVEL COND. PROBE						705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-917	LOOP	438LH AN9-1 TK 17 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3254-WMO
FL	241-917	LOOP	2208PA TK 17 TO ATM HI DP						705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-918	LOOP	2360LA1 TK 18 FOB-1 MLDB 1 PROBE	1/4	IN				709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3090-WMO
FL	241-918	LOOP	2231LA TK 18 HI HI LEVEL COND. PROBE	1/4	IN				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3171-WMO
FL	241-918	LOOP	2230PA TK 18 HI VACUUM	4 0	INWC				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0526-WMO
FL	241-918	LOOP	438LH AN10-1 TK 18 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3112-WMO
FL	241-918 241-920	LOOP	8288LA TKS 18 & 20 HI LIQUID LEVEL VENTL JUMPER	1/4	IN				709763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3165-WMO
FL	241-919	LOOP	5028PA TK 19 HEPA FILTER HI DP	4	INWC				708845	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0528-WMO
FL	241-919	LOOP	2207LA TK 19 HI HI LEVEL COND. PROBE	1/4	IN				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3154-WMO
FL	241-919	LOOP	5030FA1 TK 19 PURGE BLOWER FAILURE	1 5	INWC				705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2182-WMO
FL	241-919	LOOP	438LH AN11-1 TK 19 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1287-WMO

(FL & FM - F Tank Farm) (LA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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OLN = Old Loop Number
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AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Assigned No.	IDP #	
FL	241-920		LOOP				2232LA	TK 20 HI HI LEVEL COND PROBE	1/4	IN					709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3155-WMO
FL	241-920		LOOP				3716FA1	TK 20 PURGE BLOWER FAILURE	2	INWC					709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1857A-WMO
FL	241-920		LOOP				436LH AN12-1	TK 20 TANK TOP HI RADIATION/FAILURE	3	mr/hr				S5-2-9029 S5-2-9030	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1283-WMO	
FL	241-920		LOOP				2234PA	TK 20 HEPA FILTER DP HI ALARM LOOP	4	INWC						☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0527-WMO MTE-F-1975-WMO
FL	241-925		LOOP				879LA2	TK 25 CTS LIQUID IN RISER BUBBLER							709765	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				408-SL10	1EVAP FEED HI TEMP							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				A1, A2-SL12	1EVAP FEED PUMP LO CURRENT							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				2401PS1	1EVAP GANG VALVES LO STEAM	12	PSIG					705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1134-WMO
FL	242		LOOP				408AA-SL2	1EVAP HI LEVEL							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				408AA-SL8	1EVAP HI LEVEL							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				408AA-SL1	1EVAP HI PRESSURE							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				2360LA2	1EVAP LDB EVAP FEED COND PROBE							709764	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				6683PAL-SL 5	1EVAP LO AIR PRESSURE TO STEAM LINE							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				408KT-SL7	1EVAP LO PRESSURE AIR SYSTEM							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				424RP-SL9	1EVAP RECEIVER CELL SUMP							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242		LOOP				S-SL4	1EVAP SHUTDOWN							230595	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-208H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
FL	242F			LOOP				CRC PUMP TANK CONDUCTIVITY PROBE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				CRC HOPPER/VENT CONDUCTIVITY PROBES								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				CRC INLET/OUTLET PRESSURE GAGES								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				TUBE BUNDLE LOW PRESSURE (BACKPRESSURE VALVE)	12	PSIG	A			W230399		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				TUBE BUNDLE EXIT PRESSURE AC	160	DEG C	IA			W230399		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP			2401PS2	LIFT GV STEAM PRESSURE d	3	PSIG				W712024		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1135-WMO
FL	242F			LOOP			2401	LIFT GV DISCHARGE PRESSURE						W712024		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP			2401	LANCE GV STEAM PRESSURE d						W712024		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP			2401	LANCE GV DISCHARGE PRESSURE e						W712024		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FLUSHWATER PUMP DISCHARGE LOW PRESSURE f								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FLUSHWATER TANK LEVEL g								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FEED AND VENT LINE COP AND LDB CONDUCTIVITY PROBES								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FEED PUMP RISER CONDUCTIVITY PROBE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FEED PUMP RISER FLUSHWATER PRESSURE h								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				GANG VALVE HOUSE RADIATION MONITORS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				TUBE BUNDLE STEAM FLOW CONTROL						W230399		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (IA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
FL	242F			LOOP				FLASH TANK LEVEL I							W230398	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FEED PUMP AMPS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				CONDENSER BOTTOMS TEMPERATURE							W230399	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				EVAPORATOR POT LEVEL CONTROL							W230398	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				EVAPORATOR FEED VALVE CONTROL							W712024	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				EVAPORATOR CONDENSER COOLING WATER INLET/OUTLET TEMPERATURE							W230398	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FLASH TANK CONDENSATE ACTIVITY							W230398	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP		406U-20		OVERHEADS TANKS							W230399	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				WARMING COIL PRESS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242F			LOOP				FLASH TANK LEVEL	75							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
GAUGE ONLY																		
FL	242F			LOOP		416ED 2803PS		OVERHEADS PUMP TANK LEVEL (SOUTH)	12.4	PSIG					W230399	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1117-WMO
FL	241-919	BW		LOOP	2015	7345LT		TK 19 BEARING WATER FEED TK LEVEL TRANSMITTER LOOP						M- M6-F- 3180	W713257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-901	BW		LOOP	6800			TK 1 BEARING WATER TK LEVEL LOW LOW LOOP						M- M6-F- 3177	W713773	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-074	BW		LOOP	6801	6021F		TK 17 RISER SE FLOW ALARM LOW LOOP						M- M6-F- 3182	W717303	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-074	BW		LOOP	6802	6001F		TK 17 RISER W FLOW ALARM LOW LOOP						M- M6-F- 3182	W716003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Assigned No.	IDP #	
FL	241-074	BW	LOOP	6803			6037F	TK 17 RISER SW FLOW ALARM LOW LOOP						M- M6-F- 3182	W716001	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-074	BW	LOOP	6804			6011F	TK 17 RISER NE FLOW ALARM LOW LOOP						M- M6-F- 3182	W716002	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-901	BW	LOOP	6934				TK 1 BEARING WATER FEED TK LEVEL LOOP						M- M6-F- 3177	W713773	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-919	BW	LOOP	6935				TK 19 BEARING WATER FEED TK LEVEL LOOP						M- M6-F- 3180	W713257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-919	BW	LOOP	6936				TK 19 BEARING WATER TK LEVEL SWITCH LOW LOW LOOP						M- M6-F- 3180	W713257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-917	BW	LOOP	6937			6035PS	TK 17 RISER SW BEARING WATER PRESSURE SWITCH LOOP						M- M6-F- 3182	W716001	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-918	BW	LOOP	6938				TK 18 RISER NW BEARING WATER PRESSURE SWITCH LOOP						M- M6-F- 3182	W716012	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-918	BW	LOOP	6939				TK 18 RISER NE BEARING WATER PRESSURE SWITCH LOOP						M- M6-F- 3182	W716010	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-918	BW	LOOP	6940				TK 18 RISER SE BEARING WATER PRESSURE SWITCH LOOP						M- M6-F- 3182	W716011	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-1F	CCW	LOOP				X092	CONDENSER CCW	50		PSG					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1045-WMO
FL	241-013	CRW	LOOP	2041				WEST PUMP HOUSE LEVEL ALARM LOOP						M- M6-F- 3155	W158251	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-013	CRW	LOOP	2047			408LS	WEST PUMP HOUSE CRW SURGE TK LEVEL ALARM LOOP	20		PSG			M- M6-F- 3155	W158251	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1089-WMO
FL	241-013	CRW	LOOP	2056				WEST PUMP HOUSE CRW SUPPLY PRESS LOW ALARM LOOP						M- M6-F- 3155	W158251	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	CRW	LOOP	2066				TK 33 CRW COOLING LINES FREEZE PROTECTION LOOP						M- M6-F- 3165	W238338	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-934	CRW	LOOP	2067				TK 34 CRW COOLING LINE FREEZE PROTECTION LOOP						M- M6-F- 3165	W238338	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-013	CRW	LOOP	5134			415C	WEST PUMP HOUSE LEVEL LOOP	7/5 72 55/17 5		INWC/ma INWC/ma			M- M6-F- 3155	W158251	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2830-WMO

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTE/ESP/ETP/NWTF ALARM/INTERLOCK SETPOINT DATABASE

REFERENCE DRAWINGS

Basic Requirements

PL COORDINATOR

IDP #

FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Unit
AI = Alarm/Interlock
LOOP - Loop description

FC	A	MDG	SYS	RUN	SEQ	SUB	OLN	DESCRIPTION	U	SP	AI	MAINT	PROG	OPS	PROG	M TYPE	W or OTHER TYPE	And Info Shlows	ASSIGNED NO.	IDP #
FL	241-904	HV	LOOP					X062 VAMP		3	m/hr							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-3211-WMO	
FL	241-904	HV	LOOP					X062 VAMP		3	m/hr							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0984-WMO	
FL	241-904	HV	LOOP					2083PA TK 4 PURGE FILTER HI DP		0	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0188-WMO	
FL	241-904	HV	LOOP					2081TA2 TK 4 STEEL WALL TO TEMP		25	deg C							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-3330-WMO	
FL	241-904	HV	LOOP					2084PA TK 4 TANK TO ANN HI DP		4	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0189-WMO	
FL	241-906	HV	LOOP					2135PA TK 6 ANN HILO PRESSURE		0.5	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0208-WMO	
FL	241-906	HV	LOOP					2133PA TK 6 PURGE FILTER HI DP		0.1	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0207-WMO	
FL	241-906	HV	LOOP					2131TA2 TK 6 STEEL WALL TO TEMP		25	deg C							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-3332-WMO	
FL	241-908	HV	LOOP					2134PA TK 6 TANK TO ANN HI DP		4	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0570-WMO	
FL	241-907	HV	LOOP					2156 TK 7 HV STEEL WALL TEMPERATURE LOOP		25	deg C							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-3333-WMO	21214001
FL	241-907	HV	LOOP					2158 TK 7 HV PURGE EXHAUST FILTER HIGH DP ALARM LOOP		0.1/1.5	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0210-WMO	21215001
FL	241-907	HV	LOOP					2159 TK 7 HV ANNULUS TO TANK DP ALARM LOOP		4	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0211-WMO	21215201
FL	241-907	HV	LOOP					F423 TK 7 HV ANNULUS DP ALARM LOOP										☐ Required ☐ Not Required ☒ Undetermined		21215301
FL	241-907	HV	LOOP					2162 TK 7 HV PURGE REHEATER TEMPERATURE CONTROL LOOP		40	deg C							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0948-WMO	21215701
FL	241-907	HV	LOOP					06700 TK 7 HV TANK VACUUM ALARM		0.1	INWC							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-0212-WMO	21215101
FL	241-908	HV	LOOP					2181TK 8 HV STEEL WALL TEMP		25	deg C							☐ Required ☐ Not Required ☒ Undetermined	MTE-F-3334-WMO	

FL & FM - F Tank Farm (HA-2884) (HE-ETP) (HG-NWTF) (HL-H Tank Farm)
SORT BY AREA-SYSTEM SEQ. NUMBER-OLD LOOP NUMBER-OLD LOOP NUMBER-ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
FL	241-908	HV	LOOP	2183			2183	TK 8 HV PURGE FILTER DP LOOP	0.1 1.5	INWC				M- M6-F- 3186	W705472 W705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0213-WMO
FL	241-908	HV	LOOP	2184			2184	TK 8 WTE TANK TO ANNULUS DP ALARM LOOP	4	INWC				M- M6-F- 3187	W705472 W705967	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0214-WMO
FL	241-908	HV	LOOP	2185			2185	TK 8 HV ANNULUS HI/LO PRESSURE ALARM LOOP	0.5/2.5	INWC				M- M6-F- 3187	W705472 W705968	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0376-WMO
FL	241-908	HV	LOOP	2187			2187	TK 8 HV PURGE REHEATER TEMP CONTROL LOOP	40	DEGC				M- M6-F- 3186	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0649-WMO
FL	241-908	HV	LOOP	2193			2193	TK 8 HV TANK VACUUM LOOP	0.1	INWC				M- M6-F- 3186	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0377-WMO
FL	241-908	HV	LOOP	2196			2196	TK 8 HV SOUTH RISER LEVEL ALARM LOOP	1/4	INWC				M- M6-F- 3187	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2966-WMO MTE-F-2968-WMO
FL	241-908	HV	LOOP	2198			2198	TK 8 WTE WEST RISER ANNULUS DIPTUBE LEVEL LOOP						M- M6-F- 3187	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-908	HV	LOOP	2200			2194 0X062	TK 8 WTE VAMP ALARM LOOP	3	ml/hr				M- M6-F- 3187	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3316-WMO
FL	241-933	HV	LOOP	7219				TK 33 HV PURGE FILTER HIGH DP ALARM LOOP	5	INWC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0612-WMO
FL	241-933	HV	LOOP	7220				TK 33 HV PURGE FAN FAILURE ALARM LOOP	0.2	INWC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0633-WMO
FL	241-933	HV	LOOP	7221			2285XS	TK 33 HV PURGE CAM RADIATION ALARM LOOP	2400	CFM				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0059-WMO
FL	241-933	HV	LOOP	7222			2285FS	TK 33 HV PURGE EXHAUST CAM LOW FLOW ALARM	20	INWC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1379-WMO
FL	241-933	HV	LOOP	7223			TA-1	TK 33 HV ANNULUS DEHUMIDIFIER CONTROL LOOP	91	degC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1031-WMO MTE-F-0604-WMO
FL	241-933	HV	LOOP	7224				TK 33 HV ANNULUS AIR HI/LOW TEMP ALARM LOOP						M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	HV	LOOP	7226			2282PA	TK 33 HV TANK TO ANNULUS DP ALARM LOOP	5	INWC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0277-WMO
FL	241-933	HV	LOOP	7227			2281PA	TK 33 HV ANNULUS FAN LOW DP ALARM LOOP						M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page: 18FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
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A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
FL	241-933	HV	LOOP	7228		2284XA		TK 33 HV ANNULUS CAM RADIATION ALARM LOOP	2400	CPM				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0058-WMO
FL	241-933	HV	LOOP	7229		2284FS		TK 33 HV ANNULUS EXH CAM LOW FLOW ALARM LOOP	20	INWC				M- M6-F- 3204	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1378-WMO
FL	241-934	HV	LOOP	7282				TK 34 HV PURGE EXHAUST FILTER HIGH DP ALARM LOOP	5	INWC				M- M6-F- 3217	W238273	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0632-WMO
FL	241-934	HV	LOOP	7283				TK 34 HV PURGE EXHAUST FAN OFF ALARM LOOP	2	INWC				M- M6-F- 3217	W238273	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0634-WMO
FL	241-934	HV	LOOP	7284		2310XT		TK 34 HV PURGE EXH RADIATION IND ALARM LOOP	2400	CPM				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0055-WMO
FL	241-934	HV	LOOP	7285		2310FS		TK 34 HV PURGE EXH CAM LOW FLOW ALARM LOOP	20	INWC				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1381-WMO
FL	241-934	HV	LOOP	7287		TA-1		TK 34 HV ANNULUS TEMP CONTROL LOOP	91	degC				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0605-WMO
FL	241-934	HV	LOOP	7288				TK 34 HV ANNULUS AIR HIGH LOW TEMP ALARM LOOP						M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-934	HV	LOOP	7289		2308PA		TK 34 HV TANK TO ANNULUS DP ALARM LOOP	5	INWC				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0282-WMO
FL	241-934	HV	LOOP	7291		2308PA		TK 34 HV ANNULUS FAN NOT RUNNING ALARM LOOP						M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-934	HV	LOOP	7292		2307XA		TK 34 HV ANNULUS EXH CAM ALARM LOOP	2400	CPM				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0054-WMO
FL	241-934	HV	LOOP	7293		2307FS		TK 34 HV ANNULUS EXHAUST CAM LOW FLOW ALARM LOOP	20	INWC				M- M6-F- 3217	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1380-WMO
FL	241-064	IA	LOOP	1472		1472		IA HEADER LOW PRESSURE ALARM LOOP						M- M6-F- 3280		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-074	IT	LOOP	6086		6086		INTERAREA PUMP TANK PIT SUMP LEVEL LOOP						M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0407-WMO MTE-F-1086-WMO MTE-F-1216A-WMO MTE-F-1224-WMO MTE-F-1227-WMO MTE-F-1303-WMO MTE-F-3020-WMO
FL	241-074	IT	LOOP	6087		6087		INTERAREA PUMP TANK LEVEL SET 1 LOOP	58	INWC				M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (IA - Interarea) (IT - Inter Tank Farm) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

J-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OL N = Old Loop Number
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LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
FL	241-074	IT	LOOP	6090			6090	INTERAREA PUMP TANK OVERFLOW LOOP	85	IN				M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-074	IT	LOOP	6094			6094	INTERAREA PUMP TANK TRANSFER FLOW LOOP						M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1228-WMO MTE-F-1306-WMO MTE-F-1308-WMO MTE-F-1309-WMO
FL	241-074	IT	LOOP	6095			6095	INTERAREA PUMP TANK TRANSFER PRESSURE LOOP						M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1082-WMO MTE-F-1239-WMO MTE-F-1253-WMO
FL	241-074	IT	LOOP	6097			6097	HIGH POINT FLUSH PIT RADIATION LOOP						M- M6-F- 3310	W733334	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-074	IT	LOOP	8275			6087	INTERAREA PUMP TANK LEVEL SET 2 LOOP	20	INWC				M- M6-F- 3308	W736348	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-0412-WMO MTE-F-0772-WMO MTE-F-0781-WMO MTE-F-1242-WMO MTE-F-1244-WMO MTE-F-1223-WMO MTE-F-1317-WMO
FL	641-000	IT	LOOP	8277				INTERAREA PUMP TANK GANG VALVE PRESSURE CONT LOOP						M- M6-F- 3309	W235672	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-928	IW	LOOP	7326			7326	TK 28 RISER B2 IW/CAUS SUPPLY FLOW CONTROL LOOP						M- M6-F- 3302		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-001	IW	LOOP	7335			7335	IW SUPPLY HEADER FLOW CONTROL LOOP						M- M6-F- 3301		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-925	IW	LOOP	7468			7468	TK 25 RISER G IW/CAUS SUPPLY FLOW CONTROL LOOP						M- M6-F- 3301		☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-907	LD	LOOP	6666			6666 LE 2186 LAH	TK 7 WTS RISER # LEAK DETECTION BOX 1 OR A CONDUCTIVITY LOOP	1/4	IN				M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-2974-WMO MTE-F-2976-WMO
FL	241-901	LS	LOOP	6630			2010	TK 1 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3241	W704199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-2149-WMO
FL	241-903	LS	LOOP	6633			2011	TK 3 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3243	W705427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-2150-WMO
FL	241-905	LS	LOOP	6636			2111	TK 5 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3244	W705429	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-2126A-WMO
FL	241-907	LS	LOOP	6639			2181	TK 7 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3245	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1371A-WMO

(FL & FM - F Tank Farm)(HA 290H)(HE ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

LIX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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Page 20FC = Functional Class
OL N = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPL COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
FL	241-902	LS	LOOP	6642			2038	TK 2 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3242	W705426	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1345-WMO
FL	241-904	LS	LOOP	6645			2088	TK 4 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3246	W705428	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2151-WMO
FL	241-906	LS	LOOP	6648			2138	TK 6 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3247	W705430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2127A-WMO
FL	241-908	LS	LOOP	6652			2188	TK 8 ANNULUS HEATER LS SUPPLY PRESSURE LOOP	5.0	PSIG				M- M6-F- 3248	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2128A-WMO
FL	241-934	LS	LOOP	6657			2311	TK 34 ANNULUS HEATER LS PRESSURE LOOP	5	PSIG				M- M6-F- 3250	W238273	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1376-WMO
FL	241-933	LS	LOOP	6659			2286PS	TK 33 ANNULUS HEATER LS PRESSURE LOOP	2.5	PSIG				M- M6-F- 3250	W238398	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	242-000	MS	LOOP	6472				EVAP FLUSH WATER HEATER MS SUPPLY CONTROL LOOP						M- M6-F- 3251	S5214286	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	1467			1467	PA RECEIVERS LOW PRESSURE LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	1470			1470	PA COMPRESSOR #1 OFF ALARM LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	1471			1471	PA COMPRESSOR #2 OFF ALARM LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8201				PA COMPRESSOR #1 HI VIBRATION LOOP						M- M6-F- 3278		☒ Required ☐ Not Required ☒ Undetermined	☒ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8202				PA COMPRESSOR #1 LP DISCHARGE HIGH TEMP LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8203				PA COMPRESSOR #1 OIL LEVEL LOW ALARM LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8204				PA COMPRESSOR #1 INTERCOOLER COND LEVEL LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8205				PA COMPRESSOR #1 HP DISCHARGE TEMP LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-064	PA	LOOP	8206				PA COMPRESSOR #2 HI VIBRATION LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ NUMBER-SEQ SUB NUMBER OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

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Page 21FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SR	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #	
FL	241-064	PA	LOOP		8207			PA COMPRESSOR #2 OIL LEVEL LOW ALARM LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-064	PA	LOOP		8208			PA COMPRESSOR #2 LP DISCHARGE HIGH TEMP LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-064	PA	LOOP		8209			PA COMPRESSOR #2 INTERCOOLER COND LEVEL LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-064	PA	LOOP		8210			PA COMPRESSOR #2 HP DISCHARGE TEMP LOOP						M- M6-F- 3278		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	241-064	PA	LOOP		8211			PA AIR DRYER #3, #4 MOISTURE INDICATOR LOOP						M- M6-F- 3279		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FL	907-002	SSEW	LOOP				1596	907-2F STORM WATER MONITOR RADN IND/ALARM LOOP	50/140 8/34		CPS/AMER KHZ/CES			W738427		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2158-WMO MTE-F-2159-WMO	21915635
									22		CPS/above background								
FL	907-003	SSEW	LOOP				1617	907-3F STORM WATER MONITOR RADN IND/ALARM LOOP	80/140 5/21		CPS/AMER KHZ/CES			W738427		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2167-WMO MTE-F-2168-WMO	21915635
									22		CPS/above background								
FL	241-1F	WEE	LOOP				X0106	EVAP HI LEVEL	10.8		FGG					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1123-WMO	
FL	242	WEE	LOOP				408AA-SL3	1EVAP HI FOAM	4.4		PSIG			230595		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1124-WMO	
FL	242	WEE	LOOP				2522LI	1 EVAP CELL SUMP LOOP	10 15		INWC INWC			W230389		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1016-WMO MTE-F-1017-WMO MTE-F-1018-WMO	
FL	242	WEE	LOOP	5114			442U	1EVAP POT LEVEL	88		WT	N/A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1313-WMO	
FL	242F	WEE	LOOP					EVAPORATOR POT PRESSURE	11		INWC	IA		W230398		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1122-WMO	
FL	241-904	WTE	LOOP				2085PA	TK 4 ANN HILO PRESSURE	0.5 2.5		INWC INWC			705968		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0371-WMO	
FL	241-904	WTE	LOOP				2089LA	TK 4 HI HI LEVEL COND. PROBE	1/4		IN			709762		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3142-WMO	
FL	241-906	WTE	LOOP				2139LA	TK 8 HI HI LEVEL COND PROBE RISER 3	1/4		IN			709762		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2979-WMO	

(FL & FM - F Tank Farm)(HA-2904)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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(Ref: WSRC-TR-94-400)

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FC = Functional Class
OL N = Old Loop Number
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U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
FL	241-907	WTE	LOOP	2002			2166	TK 7 WTE RISER 6 LEVEL LOOP						M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-907	WTE	LOOP	2003			2167	TK 7 WTE REEL TAPE CENTER RISER LEVEL LOOP						M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	WTE	LOOP	2003				TK 33 WTE H2 MONITOR HEAT TRACE CONTROL LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-907	WTE	LOOP	2007			2184	TK 7 WTE RISER 3 TANK HI-HI LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3151	W705471 W709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-WMO
FL	241-907	WTE	LOOP	2008	A B C		2170	TK 7 WTE RISER 3 TEMPERATURE LOOP	FT/IN-degC FT/IN-degC FT/IN-degC					M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-907	WTE	LOOP	2008	A B C		2171	TK 7 WTE RISER 5 TEMPERATURE LOOP	FT/IN-degC FT/IN-degC FT/IN-degC					M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-907	WTE	LOOP	2010	A B C		2172	TK 7 WTE RISER 7 TEMPERATURE LOOP						M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-907	WTE	LOOP	2015			2173	TK 7 WTE NORTH RISER LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3152	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2972-WMO
FL	241-907	WTE	LOOP	2020			2345 2178	TK 7 WTE TANK TOP RAD MONITOR LOOP	3	ml/hr				M- M6-F- 3152	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1290-WMO 21214701
FL	241-907	WTE	LOOP	2022			2173LAH 2177LE	TK 7 WTE SOUTH RISER LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3152	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2973-WMO
FL	241-907	WTE	LOOP	2165			2185	TK 7 WTE RISER 7 LEVEL ALARM LOOP						M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-908	WTE	LOOP	2190			2190	TK 8 WTE HI HI LEVEL RISER 4 LEVEL LOOP	1/4	IN				M- M6-F- 3186	W705472 W709762	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-WMO
FL	241-908	WTE	LOOP	2191			2191	TK 8 WTE RISER 4 REEL TAPE LEVEL LOOP						M- M6-F- 3186	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-908	WTE	LOOP	2192			2192	TK 8 WTE RISER 6 LEVEL LOOP	1/4	IN				M- M6-F- 3186	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2971-WMO
FL	241-908	WTE	LOOP	2199			0375LE 2199	TK 8 WTE NORTH RISER LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3187	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2967-WMO
FL	241-908	WTE	LOOP	6982	A B			TK 8 WTE RISER 4 TEMPERATURE LOOP						M- M6-F- 3186	W705472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-296H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

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OLN = Old Loop Number
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U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
FL	241-933	WTE	LOOP	7200			8618XA	TK 33 WTE H2 MONITOR ALARM LOOP	110/5 2	%/ma				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1266-WMO
FL	241-933	WTE	LOOP	7201			8618PA 469	TK 33 WTE H2 MONITOR SAMPLE FLOW ALARM LOOP	25/1.75	INWC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2847A-WMO
FL	241-933	WTE	LOOP	7202				TK 33 WTE RISER A3 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3103-WMO
FL	241-933	WTE	LOOP	7203				TK 33 WTE BASE SLAB TEMPERATURE ALARM LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	WTE	LOOP	7204				TK 33 WTE WORK SLAB TEMPERATURE LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	WTE	LOOP	7205			2280T	TK 33 WTE STEEL WALL TEMPERATURE ALARM LOOP	25	degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2789-WMO MTE-F-1997-WMO
FL	241-933	WTE	LOOP	7206			493AJA	TK 33 WTE TANK BOTTOM TEMPERATURE (TC#3) LOOP	18/3-90	FT/IN-degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1210-WMO
FL	241-933	WTE	LOOP	7207			493AKJ	TK 33 WTE RISER D3 TEMPERATURE LOOP	0/6-90 6/6-90 12/6-90	FT/IN-degC FT/IN-degC FT/IN-degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1210-WMO
FL	241-933	WTE	LOOP	7208			493AKJ	TK 33 WTE RISER D1 TEMPERATURE LOOP	0/6-90 6/6-90 12/6-90	FT/IN-degC FT/IN-degC FT/IN-degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1210-WMO
FL	241-933	WTE	LOOP	7209			493AKJ	TK 33 WTE RISER D2 TEMPERATURE LOOP	0/6-90 6/6-90 12/6-90	FT/IN-degC FT/IN-degC FT/IN-degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1210-WMO
FL	241-933	WTE	LOOP	7210			493AKJ	TK 33 WTE RISER D4 TEMPERATURE LOOP	0/6-90 6/6-90 12/6-90	FT/IN-degC FT/IN-degC FT/IN-degC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1210-WMO
FL	241-933	WTE	LOOP	7211				TK 33 WTE STEEL WALL TEMPERATURE ALARM LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	WTE	LOOP	7212			8618LT	TK 33 WTE REEL TAPE LEVEL LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241-933	WTE	LOOP	7213			8614L	TK 33 WTE RISER A4 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3104-WMO
FL	241-933	WTE	LOOP	7214			8612L	TK 33 WTE RISER A2 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3102-WMO
FL	241-933	WTE	LOOP	7215			8611L	TK 33 WTE RISER A1 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3101-WMO

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
FL	241-933	WTE	LOOP	7216		8609LT		TK 33 WTE RISER A1 DIPTUBE LEVEL LOOP	1	INWC				M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-933	WTE	LOOP	7217		8600X		TK 33 WTE RADIATION MONITOR ALARM LOOP						M- M6-F- 3203	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-933	WTE	LOOP	7218		2289L		TK 33 WTE RISER H IN TANK LEVEL LOOP						M- M6-F- 3203	W705481	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7260				TK 34 WTE H2 MONITOR HEAT TRACE CONTROL LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7262		2312		TK 34 WTE H2 MONITOR ANALYSIS LOOP	10/5 b	%/ma				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP					TK 34 WTE RISER A3 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7264				TK 34 WTE RISER E2 REEL TAPE LEVEL LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7265				TK 34 WTE TANK TOP RADIATION ALARM LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7266				TK 34 WTE RISER H LEVEL ALARM LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7267				TK 34 WTE RISER A4 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7268				TK 34 WTE RISER A2 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7269				TK 34 WTE RISER A1 ANNULUS LEVEL ALARM LOOP	1/4	IN				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7270				TK 34 WTE RISER A1 DIPTUBE LEVEL ALARM LOOP	1	INWC				M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7271				TK 34 WTE RISER D3 TEMPERATURE LOOP	0/6-100 FT/IN-degC 6/6-100 FT/IN-degC 12/6-100 FT/IN-degC					M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7272				TK 34 WTE RISER D1 TEMPERATURE LOOP	0/6-100 FT/IN-degC 6/6-100 FT/IN-degC 12/6-100 FT/IN-degC					M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
FL	241-934	WTE	LOOP	7273				TK 34 WTE RISER D2 TEMPERATURE LOOP	0/6-100 FT/IN-degC 6/6-100 FT/IN-degC 12/6-100 FT/IN-degC					M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only

(FL & FM - F Tank Farm)(HA 2991)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 25FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
FL	241	934	WTE	LOOP	7274			TK 34 WTE RISER D4 TEMPERATURE LOOP	0/6-100 FT/IN-degC 6/6-100 FT/IN-degC 12/6-100 FT/IN-degC					M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	934	WTE	LOOP	7275			TK 34 WTE BOTTOM PLATE TEMPERATURE LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	934	WTE	LOOP	7276			TK 34 WTE BASE SLAB TEMPERTATURE LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	934	WTE	LOOP	7277			TK 34 WTE WORK SLAB TEMPERATURE LOOP						M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	934	WTE	LOOP	7278		2312	TK 34 WTE H2 MONITOR LOW FLOW ALARM LOOP	25		INWC			M- M6-F- 3216	W238443	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1078A-WMO
FL	241	934	WTE	LOOP	7279		2306TS2	TK 34 WTE STEEL WALL LOW TEMPERATURE ALARM LOOP						M- M6-F- 3216	W705482	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	907	WTE	LOOP	8014		6702 2175 F418	TK 7 WTE ANNULUS DIPTUBE LEVEL LOOP	0.5		INWC	WMWE 17109		M- M6-F- 3151	W705471	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0375-WMO 21214601
FL	241	011	WTS	LOOP			3198	F-DB3 CLEANOUT #4 LEVEL LOOP	1/4		IN					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	011	WTS	LOOP			3198	F-DB3 CLEANOUT #5 LEVEL LOOP	1/4		IN					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
FL	241	011	WTS	LOOP			6088	F-DB3 CLEANOUT #4 LEVEL LOOP	1/4		IN			M- MG G 0137		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3020-WMO
FL	241-001 241-905 241-906 241-907 241-908		WTS	LOOP	2365		2365PA2	TK 5, 6, 7, AND 8 GANG VALVE LO STEAM PRESSURE LOOP	15		PSG			M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2121A-WMO MTE-F-2131-WMO MTE-F-2130-WMO
FL	241-901 241-902 241-903 241-904		WTS	LOOP	2380		2380PA2	TK 1, 2, 3, 4 GANG VALVE LO STEAM	40		PSG			M- M6-F- 3287	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2124-WMO
FL	241-904		WTS	LOOP	6661			TK 4 RISER 6 WTS LEVEL LOOP	1/4		IN			M- M6-F- 3287	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3145-WMO
FL	241-901		WTS	LOOP	6662			TK 1 RISER 3 WTS LEVEL LOOP	1/4		IN			M- M6-F- 3287	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3130-WMO
FL	241-902		WTS	LOOP	6663			TK 2 RISER 3 WTS LEVEL LOOP	1/4		IN			M- M6-F- 3287	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2951-WMO

(FL & FM - F Tank Farm)(HA 2904)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SE	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	ASSIGNED NO.	IDP #
FL	241-903	WTS	LOOP		6664			TK 3 RISER 5 WTS LEVEL LOOP	1/4	INWC				M- M6-F- 3287	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2960-WMO	
FL	241-906	WTS	LOOP		6665			TK 6 RISER 6 WTS LEVEL LOOP	1/4	IN				M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2969-WMO	
FL	241-908	WTS	LOOP		6668			TK 8 RISER 6 WTS LEVEL LOOP	1/4	IN				M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3143-WMO	
FL	241-907	WTS	LOOP		6669			TK 7 RISER 2 WTS LEVEL LOOP						M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-WMO	
FL	241-905	WTS	LOOP		6670			TK 5 RISER 6 WTS LEVEL LOOP	1/4	IN				M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2964-WMO	
FL	241-907	WTS	LOOP		6670			TK 7 RISER 6 WTS LEVEL LOOP	1/4	IN				M- M6-F- 3288	705966	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2975-WMO	
FM	241-032		LOOP				915L1	FDB8 LDB 1 LOOP	1/4	IN					W702275	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3119-WMO	
FM	241-032		LOOP				915L2	FDB8 LDB 2 LOOP	1/4	IN					W702275	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3118-WMO	
FM	241-032		LOOP				919	FDB8 LD SUMP LOOP	1/4	IN					W702275	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3121-WMO	
FM	241-032		LOOP				916	FDB8 UNDERLINER SUMP LOOP	1/4	IN					W702275	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3120-WMO	
FM	241-032		LOOP				921	FDB8 HEPA FILTER ALARM LOOP	4	IN					W701196	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0711-WMO	
FM	241-032		LOOP				917	FDB8 DIP TUBE SUMP LEVEL LOOP	8/11	INWC					W701196 W702275	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0414-WMO	
FM	241-065	BA	LOOP		7000		XX100	F AREA BREATHING AIR COMPRESSOR DISCH TS LOOP	140	degC				M- M6-F- 3190	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2931-WMO	
FM	241-065	BA	LOOP		7001			F AREA BREATHING AIR MOTOR CONTROLLER OIL PS LOOP						M- M6-F- 3190	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3382-WMO	
FM	241-065	BA	LOOP		7002		1477WA	F AREA BREATHING AIR MOTOR CONTROLLER LOOP						M- M6-F- 3190	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FM	241-065	BA	LOOP		7003			F AREA BREATHING AIR BACKUP AIR SUPPLY CTRL LOOP						M- M6-F- 3190	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 27

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
RM		241-065	BA	LOOP	7004			F AREA BREATHING AIR BACKUP AIR OUTLET PAL LOOP						M- M6-F- 3190	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM		241-928	BA	LOOP	7005		1434PS	TK 28 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0644-WMO
RM		241-927	BA	LOOP	7006		1433	TK 27 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0651-WMO
RM		241-033	BA	LOOP	7007		1440	FDB5 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3380-WMO
RM		241-926	BA	LOOP	7008		1432	TK 26 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W700608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0650-WMO
RM		241-925	BA	LOOP	7009		1431	TK 25 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0649-WMO
RM		241-032	BA	LOOP	7010		1439	FDB6 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W701196	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2795-WMO
RM		241-032	BA	LOOP	7010		310PS2	FDB6 BREATHING AIR STATION PAL ACK HAND SWITCH	20	INWC		14376		M- M6-F- 3191	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0576-WMO 21238101
RM		241-021	BA	LOOP	7011		1441	FDB4 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3191	W700440	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3381-WMO
RM		241-018	BA	LOOP	7012		656PS1	FM EVAP BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1165-WMO
RM		241-018	BA	LOOP	7013			FM EVAP BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1164-WMO
RM		241-947	BA	LOOP	7014			TK 47 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0648-WMO
RM		241-946	BA	LOOP	7015			TK 46 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W703478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0647-WMO
RM		241-945	BA	LOOP	7016			TK 45 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W703478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0646-WMO
RM		241-944	BA	LOOP	7017			TK 44 BREATHING AIR STATION PAL LOOP	90	PSIG				M- M6-F- 3192	W703478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0645-WMO
RM		241-944	CRW	LOOP	1015	A	1015T1	TK 44 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2984	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21249101

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM		241-945	CRW	LOOP	1061	A	1061T1	TK 45 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2983	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21252301
RM		241-945	CRW	LOOP	1061	B	1061T2	TK 45 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2983	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21252401
RM		241-946	CRW	LOOP	1111	A	1111T1	TK 46 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2982	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21255401
RM		241-946	CRW	LOOP	1111	B	1111T2	TK 46 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2982	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21255501
RM		241-947	CRW	LOOP	118	A	1181T1	TK 47 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2981	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21258501
RM		241-947	CRW	LOOP	118	B	1181T2	TK 47 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2981	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21258601
RM		241-925	CRW	LOOP	117	A	117T1	TK 25 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2980	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21236601
RM		241-925	CRW	LOOP	117	B	117T2	TK 25 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2980	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21236701
RM		241-926	CRW	LOOP	165	A	165T1	TK 26 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2979	W700608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21239701
RM		241-926	CRW	LOOP	165	B	165T2	TK 26 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2979	W700608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21239801
RM		241-017	CRW	LOOP	2034		800LT	PUMP HOUSE CRW EXPANSION TK LEVEL LOOP	3.49 24 48	PSIG INWC INWC				M- M6-F- 2975	W701003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0877-WMO MTE-F-3179-WMO MTE-F-1157-WMO 21187701
RM		241-018	CRW	LOOP	2054			PUMP PIT 2 GV HOUSE CRW RETURN TAH LOOP						M- M6-F- 2976	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915034
RM		241-018	CRW	LOOP	2057			PUMP PIT 3 GV HOUSE CRW RETURN TAH LOOP						M- M6-F- 2976	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915037
RM		241-944	CRW	LOOP	2065		1015T2	TK 44 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2984	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21249201
RM		241-925	CRW	LOOP	2066		320T3	TK 25 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2980	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915025
RM		241-926	CRW	LOOP	2066		357T3	TK 26 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2979	W700608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915012

(FL & FM - F Tank Farm) (HA 2984) (HE ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/85
Report Run Time: 2:33:01 PM
Page 29FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-927	CRW	LOOP		2066		398T3	TK 27 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2978	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915024
RM	241-928	CRW	LOOP		2066		3428T3	TK 28 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2977	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915013
RM	241-944	CRW	LOOP		2066		1210T3	TK 44 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2984	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915027
RM	241-945	CRW	LOOP		2066		1261T3	TK 45 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2983	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915029
RM	241-946	CRW	LOOP		2066		1311T3	TK 46 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2982	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915028
RM	241-947	CRW	LOOP		2066		1361T3	TK 47 PURGE CONDENSER CRW COOLING TEMPERATURE LOOP						M- M6-F- 2981	W704735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915026
RM	241-927	CRW	LOOP		218	A	218T1	TK 27 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2978	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21242901
RM	241-927	CRW	LOOP		218	B	218T2	TK 27 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2978	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21243001
RM	241-928	CRW	LOOP		266	A	266T1	TK 28 CRW COOLING SUPPLY TEMPERATURE LOOP						M- M6-F- 2977	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21246001
RM	241-928	CRW	LOOP		266	B	266T2	TK 28 CRW COOLING RETURN TEMPERATURE LOOP						M- M6-F- 2977	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21246101
RM	241-018	CRW	LOOP		5014			PUMP PIT 2 GV HOUSE CRW RETURN FAL LOOP						M- M6-F- 2976	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915035
RM	241-018	CRW	LOOP		5015			PUMP PIT 3 GV HOUSE CRW RETURN FAL LOOP						M- M6-F- 2976	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915038
RM	241-017	CRW	LOOP		803		803X	PUMP HOUSE CRW VAMP RADIATION HIGH ALARM LOOP						M- M6-F- 2975	W701003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21188501
RM	241-017	CRW	LOOP		804		804PS	PUMP HOUSE CRW SUPPLY PRESSURE ALARM LOW LOOP				14367		M- M6-F- 2975	W701003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21187901
RM	241-017	CRW	LOOP		807		807LT	PUMP HOUSE CHROMATE WATER DRAIN TANK LEVEL LOOP	25 60			INWC INWC		M- M6-F- 2975	W701003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1130A-WMO MTE-F-1130A-WMO 21188401
RM	241-096	CTW	LOOP		5017			COOLING TOWER #1 CONDUCTIVITY CONTROL LOOP						M- M6-F- 3100	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21961004

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM		241-096	CTW	LOOP			5018	COOLING TOWER #2 CONDUCTIVITY CONTROL LOOP						M- M6-F- 3100	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21961053
RM		241-096	CTW	LOOP			5019	COOLING TOWER #3 CONDUCTIVITY CONTROL LOOP						M- M6-F- 3100	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21961103
RM		241-020	CTW	LOOP			6478	COOLING TOWER PUMP #1 TROUBLE ALARM LOOP						M- M6-F- 3098	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915405
RM		241-020	CTW	LOOP			6479	COOLING TOWER PUMP #2 TROUBLE ALARM LOOP						M- M6-F- 3098	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915406
RM		241-020	CTW	LOOP			6480	COOLING TOWER PUMP #3 TROUBLE ALARM LOOP						M- M6-F- 3098	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915407
RM		241-020	CTW	LOOP			6481	COOLING TOWER #1 NORTH FAN TROUBLE ALARM LOOP						M- M6-F- 3098	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915408
RM		241-020	CTW	LOOP			6482	COOLING TOWER #1 SOUTH FAN TROUBLE ALARM LOOP						M- M6-F- 3098	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915409
RM		241-020	CTW	LOOP			6483	COOLING TOWER #2 NORTH FAN TROUBLE ALARM LOOP						M- M6-F- 3099	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915563
RM		241-020	CTW	LOOP			6484	COOLING TOWER #2 SOUTH FAN TROUBLE ALARM LOOP						M- M6-F- 3099	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915564
RM		241-020	CTW	LOOP			6485	COOLING TOWER #3 FAN TROUBLE ALARM LOOP						M- M6-F- 3099	W701032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915583
RM		241-017	CTW	LOOP			801	801 COOLING TOWER WATER LOW PRESSURE ALARM LOOP						M- M6-F- 3101	W701003	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915584
RM		242-016	FLW	LOOP			2000	1407 SUPPLY TANK LEVEL CONTROL LOOP	10 21 50	INWC INWC INWC				M- M6-F- 2841	W701889	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21910510
RM		242-016	FLW	LOOP			2001	1410 SUPPLY HEADER LOW PRESSURE LOOP						M- M6-F- 2841	W701889	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21910511
RM		241-927	FLW	LOOP			2047	887PS2 TK 27 RISER C2 CTS DROP VALVE CONTROL LOOP	80	INWC				M- M6-F- 2845	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21910512
RM		241-928	FLW	LOOP			2054	TK 28 RISER C2 CTS DROP VALVE CONTROL LOOP						M- M6-F- 2845	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21910519
RM		241-928	FLW	LOOP			2061	886PS2 TK 28 RISER C2 VALVE FLUSH CONTROL LOGIC LOOP	80	PSIG				M- M6-F- 2846	W702215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21910527

(FL & FM - F Tank Farm) (HA 299H-I) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BIDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
RM	241	926	FLW	LOOP	2065		180PS2	TK 26 RISER R1 INJECTOR FLUSH CONTROL LOGIC LOOP						M- M6-F- 2846	W702215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21910528
RM	241	925	FLW	LOOP	2072			TK 25 RISER C2 VALVE FLUSH CONTROL LOGIC	80	PSIG				M- M6-F- 2848	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21910522
RM	241	926	FLW	LOOP	2082			RISER R1 PRESSURE ALARM LOOP						M- M6-F- 2846	W702215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21910532
RM	241	925	FLW	LOOP	5001		123PS1	TK 25 RISER C3 BACKFLUSH VALVE CONTROL LOGIC LOOP	35	PSIG				M- M6-F- 2848	W700606	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1439-WMO	21910162
RM	241	945	FLW	LOOP	5002		1086	TK 45 BACK FLUSH VALVE CONTROL LOGIC LOOP	35	PSIG				M- M6-F- 2842	W702066	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1145-WMO	21910498
RM	241	944	FLW	LOOP	5003		1018	TK 44 BACK FLUSH VALVE CONTROL LOGIC LOOP	35	PSIG				M- M6-F- 2842	W702066	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1143-WMO	21910497
RM	241	948	FLW	LOOP	5004		1116ps1	TK 48 BACK FLUSH VALVE CONTROL LOOP	35	PSIG				M- M6-F- 2843	W703780	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1401-WMO MTE-F-1402-WMO	21910502
RM	241	947	FLW	LOOP	5005		1166PS1	TK 47 BACK FLUSH VALVE CONTROL LOOP	35	PSIG				M- M6-F- 2843	W703780	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1147-WMO	21910501
RM	241	927	FLW	LOOP	5008		221PS1	TK 27 RISER C3 BACKFLUSH VALVE CONTROL LOGIC LOOP	20	PSIG				M- M6-F- 2845	W700666	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1427-WMO	21910499
RM	241	928	FLW	LOOP	5007		271PS1	TK 28 RISER C3 BACKFLUSH VALVE CONTROL LOGIC LOOP	35	PSIG				M- M6-F- 2845	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1149-WMO	21910526
RM	241	032	HV	LOOP			554PS3	FM FDB-6 PURGE EXHAUST CAM AIRFLOW LOOP	20	INWC					W711196	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0756-WMO	21911990
RM	241	032	HV	LOOP			918	FM FDB-6 RADIATION MONITOR (VAMP) LOOP	3	m/hr					W711196	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1081-WMO	21911990
RM	242	016	HV	LOOP	2002		558PS1	FM EVAP PURGE EXHAUST FILTER DP LOOP	5.2	INWC				M- M6-F- 2985	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0506-WMO	21911987
RM	241	021	HV	LOOP	2003		515PA	PUMP PITS PURGE AIR LOW VACUUM LOOP	2	INWC				M- M6-F- 3122	W700602	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0544-WMO	
RM	242	016	HV	LOOP	2006		554PS1	FM EVAP PURGE EXHAUST CAM AIRFLOW LOOP	20	INWC				M- M6-F- 2985	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0547-WMO MTE-F-0757-WMO	21911980
RM	242	033	HV	LOOP	2006		554PS2	FM FDB-6 PURGE EXHAUST CAM AIRFLOW LOOP	20	INWC				M- M6-F- 3123	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0755-WMO	21911990

(FL & FM - F Tank Farm)(HA-298H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	242-016	HV	LOOP	2007			559WA	FM EVAP PURGE EXHAUST FAN LOOP						M- M6-F- 2985	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21911988
RM	241-021	HV	LOOP	2009			518PA	PUMP PITS PURGE EXHAUST HEPA PRESS DIFF LOOP	4	IN				M- M6-F- 3122	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0545-WMO
RM	241-033	HV	LOOP	2017			911PA	DB-6 PURGE EXHAUST HEPA DIFF PRESS LOOP	4	IN				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0568-WMO
RM	241-033	HV	LOOP	2023				DIVERSION BOX 5 EXHAUST RADIATION MONITOR LOOP	2400	CFM				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0155-WMO
RM	241-021	HV	LOOP	2024			520XS	PUMP PITS PURGE EXHAUST RADIATION MONITOR LOOP	2400	CFM				M- M6-F- 3122	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0125-WMO
RM	241-021	HV	LOOP	2024			520XA	PUMP PITS PURGE EXHAUST CAM FAILURE LOOP	20	INWC				M- M6-F- 3122	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0918-WMO
RM	241-926	HV	LOOP	2027			350	TK 26 HV TANK VACUUM LOOP	1	INWC				M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0146B-WMO 21238501
RM	241-927	HV	LOOP	2027			390PA	TK 27 HV TANK VACUUM LOOP	0.1	INWC		14475		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0145A-WMO 21241701
RM	241-944	HV	LOOP	2027			1200PS	TK 44 HV TANK VACUUM LOOP	0.1	INWC		14475		M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1385A-WMO 21247901
RM	241-945	HV	LOOP	2027				TK 45 HV TANK VACUUM LOOP	0.1	INWC		14475		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0142-WMO 21251101
RM	241-948	HV	LOOP	2027			1308	TK 46 HV TANK VACUUM LOOP	0.1	INWC		14328		M- M6-F- 3189	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-141C-WMO 21254201
RM	241-947	HV	LOOP	2027			1350	TK 47 HV TANK VACUUM LOOP	1	PSIG		14328		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0140-WMO 21257301
RM	241-925	HV	LOOP	2028			318	TK 25 HV TANK LOW VACUUM INDICATION LOOP	1	INWC				M- M6-F- 3068	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0176A-WMO 21915385
RM	241-927	HV	LOOP	2030			398T2	TK 27 HV PURGE EXHAUST AIR TEMPERATURE LOOP						M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916253
RM	241-945	HV	LOOP	2030			1281	TK 45 HV PURGE EXHAUST AIR TEMPERATURE LOOP	65	degC				M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917340
RM	241-948	HV	LOOP	2030			1311	TK 48 HV PURGE EXHAUST AIR TEMP LOOP						M- M6-F- 3189	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917877

(FL & FM - F Tank Farm) (HA-290H) (HE & HF) (HG-NWTF) (HL & HM - H Tank Farm)

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FC = Functional Class
OLN = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-947	HV	LOOP		2030		1361T2	TK 47 HV PURGE EXHAUST AIR TEMPERATURE LOOP						M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917217
RM	241-944	HV	LOOP		2030	A B C	1210T1 1210T2 1210T3	TK 44 HV PURGE EXHAUST AIR TEMPERATURE LOOP	65	degC				M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916931
RM	241-927	HV	LOOP		2033		389PA	TK 27 HV PURGE FILTER HIGH DP ALARM LOOP	4	INWC				M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0604-WMO 21916254
RM	241-944	HV	LOOP		2033		1202	TK 44 HV PURGE FILTER HIGH DP ALARM LOOP	4.0	INWC				M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0600-WMO 21916856
RM	241-945	HV	LOOP		2033		1252	TK 45 HV PURGE FILTER HIGH DP ALARM LOOP	4	INWC				M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0578-WMO 21917341
RM	241-946	HV	LOOP		2033		1204PS5	TK 46 HV PURGE FILTER HIGH DP ALARM LOOP	4.0	PSIG				M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0507-WMO 21917678
RM	241-947	HV	LOOP		2033		1352	TK 47 HV PURGE FILTER HIGH DP ALARM LOOP	4	INWC		14328		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0517-WMO 21257201
RM	241-927	HV	LOOP		2037		383XA	TK 27 HV PURGE CAM ALARM LOOP	2400	CFM		14305		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0001-WMO 21241901
RM	241-944	HV	LOOP		2037		1203	TK 44 HV PURGE CAM ALARM LOOP	2400	CFM		14305		M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0038-WMO 21248101
RM	241-945	HV	LOOP		2037		1253	TK 45 HV PURGE CAM ALARM LOOP	2400	CFM		14305		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0197A-WMO 21251301
RM	241-946	HV	LOOP		2037		1303	TK 46 HV PURGE CAM ALARM LOOP	2400	CFM				M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0295-WMO 21254401
RM	241-947	HV	LOOP		2037		1353	TK 47 HV PURGE CAM ALARM LOOP	2400	CFM		14305		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0297-WMO 21257501
RM	241-927	HV	LOOP		2039		310PS5	TK 27 HV PURGE CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0587-WMO 21242501
RM	241-944	HV	LOOP		2039		1204	TK 44 HV PURGE CAM LOW FLOW ALARM LOOP	20	INWC				M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0586-WMO 21248701 MTE-F-0586-WMO
RM	241-945	HV	LOOP		2039		1204PS3	TK 45 HV PURGE CAM LOW FLOW ALARM LOOP	20	INWC		14378		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0605-WMO 21251901
RM	241-946	HV	LOOP		2039		310PS7	TK 46 HV PURGE CAM LOW FLOW ALARM LOOP				14378		M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21255001

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM	241-947	HV	LOOP	2039			1204PS7	TK 47 HV PURGE CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0616-WMO MTE-F-0617-WMO	21258101
RM	241-927	HV	LOOP	2041			399	TK 27 HV ANNULUS INLET TEMPERATURE LOOP				14907		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21242101
RM	241-944	HV	LOOP	2041			1219	TK 44 HV ANNULUS INLET TEMPERATURE LOOP						M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916932
RM	241-945	HV	LOOP	2041			1269	TK 45 HV ANNULUS INLET TEMPERATURE LOOP				14907		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21251501
RM	241-946	HV	LOOP	2041			1319T	TK 46 HV ANNULUS INLET TEMPERATURE LOOP				14907		M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21254601
RM	241-947	HV	LOOP	2041			1369T	TK 47 HV ANNULUS INLET TEMPERATURE LOOP						M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21258401
RM	241-925	HV	LOOP	2042			7322TG	TK 25 HV ANNULUS OUTLET TEMP LOOP						M- M6-F- 3068	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21235801
RM	241-927	HV	LOOP	2042			3400T	TK 27 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21242801
RM	241-944	HV	LOOP	2042			1222	TK 44 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21249001
RM	241-945	HV	LOOP	2042			1271	TK 45 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21252201
RM	241-946	HV	LOOP	2042			1321T	TK 46 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21255301
RM	241-947	HV	LOOP	2042			1371T	TK 47 HV ANNULUS EXHAUST TEMPERATURE LOOP				14907		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21257701
RM	241-927	HV	LOOP	2053			384XA	TK 27 HV ANNULUS CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0002-WMO	21242001
RM	241-944	HV	LOOP	2053			1207	TK 44 HV ANNULUS CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0314-WMO	21248201
RM	241-945	HV	LOOP	2053			1256X	TK 45 HV ANNULUS CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0198-WMO	21251401
RM	241-946	HV	LOOP	2053			1308	TK 46 HV ANNULUS CAM ALARM LOOP	2400	CPM				M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0296A-WMO	21254501

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-947	HV	LOOP	2053			1356XT	TK 47 HV ANNULUS CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0041-WMO 21257601
RM	241-927	HV	LOOP	2055			310PS6	TK 27 HV ANNULUS CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0588-WMO 21242401
RM	241-944	HV	LOOP	2055			1204PS1	TK 44 HV ANNULUS CAM LOW FLOW ALARM LOOP	20	INWC				M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916933
RM	241-945	HV	LOOP	2055			1204PS4	TK 45 HV ANNULUS CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0606-WMO 21251801
RM	241-946	HV	LOOP	2055			1204PS6	TK 46 HV ANNULUS CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0607-WMO 21254901 MTE-F-0608-WMO
RM	241-947	HV	LOOP	2055			1204PS8	TK 47 HV ANNULUS CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21258001
RM	241-927	HV	LOOP	2057			381WA	TK 27 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916255
RM	241-944	HV	LOOP	2057			1205	TK 44 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916934
RM	241-945	HV	LOOP	2057			1254WA	TK 45 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917343
RM	241-946	HV	LOOP	2057			1304WA	TK 46 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917680
RM	241-947	HV	LOOP	2057			1354WA	TK 47 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917218
RM	241-927	HV	LOOP	2058			382WA	TK 27 HV ANNULUS FAN OFF ALARM LOOP						M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916257
RM	241-944	HV	LOOP	2058			1208	TK 44 HV ANNULUS FAN OFF ALARM LOOP						M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916935
RM	241-945	HV	LOOP	2058			1257WA	TK 45 HV ANNULUS FAN OFF ALARM LOOP						M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917342
RM	241-946	HV	LOOP	2058			1307WA	TK 46 HV ANNULUS FAN NOT RUNNING LOOP						M- M6-F- 3169	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917879
RM	241-947	HV	LOOP	2058			1357WA	TK 47 HV ANNULUS FAN OFF ALARM LOOP						M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917219

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:54:01 PM
Page 36FC = Functional Class
OL N = Old Loop Number
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AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM		241-925	HV	LOOP	306		306TC	TK 25 HV PURGE REHEATER TEMPERATURE CONTROL LOOP	2	degC				M- M6-F- 3313	W700933	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21236401
RM		241-926	HV	LOOP	341		341WA	TK 26 HV PURGE FAN OFF ALARM LOOP						M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915920
RM		241-926	HV	LOOP	342		342WA	TK 26 HV ANNULUS FAN OFF ALARM LOOP							W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915919
RM		241-928	HV	LOOP	3423		3423XS	TK 28 HV PURGE CAM ALARM LOOP	2400	CFM		14305		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0009-WMO 21245001
RM		241-928	HV	LOOP	3424		3424XT	TK 28 HV ANNULUS CAM ALARM LOOP	3000	CFM		14305		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0010-WMO 21245101
RM		241-928	HV	LOOP	3428		3428	TK 28 HV PURGE REHEATER TEMP CONTROL LOOP						M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21245801
RM		241-928	HV	LOOP	3429		3429PS	TK 28 HV PURGE FILTER HIGH DP ALARM LOOP	4.0	INWC				M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0601-WMO 21916509
RM		241-926	HV	LOOP	343		343	TK 26 HV PURGE CAM ALARM LOOP	2400	CFM				M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0033-WMO 21238701
RM		241-928	HV	LOOP	3430		3430T	TK 28 HV ANNULUS EXHAUST TEMPERATURE LOOP				14907		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21245201
RM		241-926	HV	LOOP	344		344	TK 26 HV ANNULUS CAM ALARM LOOP	2400	CFM		14305			W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21238801
RM		241-926	HV	LOOP	348		348TC	TK 26 HV PURGE EXH REHEATER TEMP CONTROL LOOP	2	degC				M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21239501
RM		241-926	HV	LOOP	349		349	TK 28 HV PURGE FILTER HIGH DP ALARM LOOP	4	INWC				M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3041-WMO 21915980
RM		241-926	HV	LOOP	357			TK 26 HV PURGE EXHAUST AIR TEMPERATURE LOOP						M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915982
RM		241-926	HV	LOOP	358		358	TK 26 HV ANNULUS INLET TEMPERATURE LOOP							W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21239601
RM		241-926	HV	LOOP	359		359	TK 26 HV ANNULUS EXHAUST TEMP LOOP				14907			W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21238901
RM		241-944	HV	LOOP	5116		1212	TK 44 HV PURGE REHEATER TEMP CONTROL LOOP						M- M6-F- 3130	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21248901

(FL & FM - F Tank Farm) (HA 280H) (HE ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 37FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	RUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
RM	241-945	HV	LOOP	5117			1262	TK 45 HV PURGE REHEATER TEMP CONTROL LOOP						M- M6-F- 3154	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21252101
RM	241-946	HV	LOOP	5118				TK 46 HV PURGE REHEATER TEMP CONTROL LOOP						M- M6-F- 3169	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21255201
RM	241-947	HV	LOOP	5119			1362TC	TK 47 HV PURGE REHEATER TEMPERATURE LOOP						M- M6-F- 3105	W703627	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21258301
RM	241-021	HV	LOOP	5124				PUMP PITS PURGE EXHAUST TEMPERATURE CONTROL LOOP						M- M6-F- 3122	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-927	HV	LOOP	5126			388	TK 27 HV PURGE REHEATER TEMP CONTROL LOOP	2	degC				M- M6-F- 3086	W700935	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21242701
RM	242-016	HV	LOOP	5133			554XT	FM EVAP PURGE EXHAUST CAM LOOP	2400	CPM				M- M6-F- 2985	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0100-WMO 21182101
RM	241-925	HV	LOOP	7302			7320TG	TK 25 HV PURGE COND TEMP ALARM LOOP						M- M6-F- 3313	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915364
RM	241-925	HV	LOOP	7307			7307PA1	TK 25 HV TANK VACUUM LOOP	5	INWC		14475		M- M6-F- 3313	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21235401
RM	241-925	HV	LOOP	7308			7308PA	TK 25 HV PURGE FILTER HIGH DP ALARM LOOP	4	INWC		14328		M- M6-F- 3313	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0572-WMO 21235301
RM	241-925	HV	LOOP	7309			309	TK 25 HV PURGE CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3313	W700933	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0016-WMO 21235601
RM	241-925	HV	LOOP	7310			310PS1	TK 26 HV PURGE CAM LOW FLOW ALARM LOOP	20	INWC		14376		M- M6-F- 3313	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0575-WMO 21236201
RM	241-925	HV	LOOP	7315			343X 315XT	TK 25 HV ANNULUS CAM ALARM LOOP	2400	CPM		14305		M- M6-F- 3068	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0303-WMO 21235701
RM	241-925	HV	LOOP	7321			7321T	TK 25 HV ANNULUS INLET TEMPERATURE LOOP						M- M6-F- 3068	W827929	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21236501
RM	241-925	HV	LOOP	7326			7326	TK 25 HV MUX CABINET TEMPERATURE INDICATING LOOP						M- M6-F- 3068	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915380
RM	241-928	HV	LOOP	7430			7430PA1	TK 28 HV TANK VACUUM LOOP				14475		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21244801
RM	241-928	HV	LOOP	7439			7439T	TK 28 HV MUX CABINET TEMP LOOP						M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916553

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
RM 241-928	HV	LOOP	8009	3428	TK 28 HV PURGE EXHAUST COND OUTLET TEMP LOOP										M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916615
RM 241-928	HV	LOOP	8010	7430	TK 28 HV PURGE EXHAUST COND OUTLET TEMP LOOP										M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916614
RM 241-928	HV	LOOP	8011	310PS7	TK 28 HV PURGE CAM LOW FLOW ALARM LOOP	20							14376		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0583-WMO	21245601
RM 241-928	HV	LOOP	8012	310PS4	TK 28 HV ANNULUS CAM LOW FLOW ALARM LOOP								14376		M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21245501
RM 241-928	HV	LOOP	8013	3428	TK 28 HV ANNULUS INLET TEMPERATURE LOOP										M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21245901
RM 241-926	HV	LOOP	8035	310PS3	TK 26 HV PURGE CAM LOW FLOW ALARM LOOP	20							14376		M- M6-F- 3076	W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0581-WMO	21239301
RM 241-926	HV	LOOP	8036	310PS4	TK 26 HV ANNULUS CAM LOW FLOW ALARM LOOP	20							14376			W700934	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0582-WMO	21239201
RM 241-018	IA	LOOP	2044	825PS	CPSR HSE PA REDUCING STATION PRESS ALARM LOW LOOP	80									M- M6-F- 2957	W701140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0366-WMO	21913097
RM 241-927	IA	LOOP	2067		TK 27 RISER C2 IA DROP VALVE CONTROL LOOP										M- M6-F- 2960	W701281	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21912914
RM 241-926	IA	LOOP	5008		TK 26 RISER C3 BACKFLUSH VALVE CONTROL LOOP	35									M- M6-F- 2961	W701281	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1456-WMO	21913051
CP RM 241-016	LC	FE	2022	685XT-1	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433						M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only		

SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP RM 241-016	LC	LOOP	2022	658	CONDENSATE GAMMA MONITOR (FLASH TK HI ACTIVITY)	27	CPS	IA	HLWM 17433	SW10.1	M- M6-F- 2929	☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
						13.850	d/m/ml			SW10.2-1 138-8-F-348				
CP RM 241-016	LC	LOOP	2022	2022	CONDENSATE GAMMA MONITOR (FLASH TK FAILURE)	298/444	CPSCPS	IA	HLWM 17433	SW10.1	M- M6-F- 2929	☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
						7	CPS	IA		SW10.2-1 138-8-F-348				

The gamma monitor was installed primarily to detect gross contamination in the evaporator condensate (major contributor is from tube bundle). The Authorization Basis (AB) requires that the evaporator condensate be continuously monitored for radiation and that online diversion systems be operable while condensate is being released to the environment. The condensate is routed to the segregated water system, which is the final monitoring point before release to the environment. Since condensate flow is diverted to the feed tank when high activity is detected, the amount of radioactivity that would actually be sent to the segregated water system would be minimal. High activity in the segregated water system was evaluated by SRIC and thy indicated that a release would not exceed either the onsite or offsite dose OSR significance criteria [Ref. 1] The AB does not specify at what radioactivity level the diversion system is activated, the setpoint was set as low as reasonably possible given the current configuration on the monitor. The uncertainty analysis [Ref. 2] confirms that the alarm/interlock will be acceptable within an acceptable tolerance. (1). Inter-Office Memorandum, J.D. Humphrey to P.D. d'Entremont and W.F. Bates, "Condensate Radiation Monitor", 1/17/94. (2). WSRC-TR-94-031.

Americium: These setpoints are based on the fact that the gamma monitor has an automatic gain compensation circuit to accommodate signal drift (normally due to temperature fluctuations). These limits were established to provide the necessary time for the monitor to compensate and still provide conservative limits to indicate there is a problem with the monitor.

Cesium: The low cesium count is an indication of detector failure. When this occurs, the signal decreases to 0 cps, but to avoid hysteresis, the limit is set at 25% of background, which is currently 20 cps.

The authorization Basis does not specify at what radioactivity level the failure alarm/interlocks will activate within an acceptable tolerance.

(FL & FM: F Tank Farm) (HA 298/444) (HE: ETF) (HG: NWTF) (HL & HM: H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS			Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
CP	RM	241-028	LC	RAH	2022		658XA1	CONDENSATE GAMMA MONITOR	38	CPS	IA	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	RAHL	2022		658XA2	CONDENSATE GAMMA MONITOR	190/590 5	CPS CPS	IA IA	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	FR	2022		N/A	CONDENSATE GAMMA MONITOR	N/A N/A	N/A N/A	N/A N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-016	LC	RT	2022A		658XG	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-016	LC	RY	2022A		658XT-3	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	RSH	2022A		N/A	CONDENSATE GAMMA MONITOR	38	CPS	IA	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	RSL	2022A		N/A	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-018	LC	RT	2022B		658XG	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-018	LC	RY	2022B		658XT-2	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	RSH	2022B		N/A	CONDENSATE GAMMA MONITOR	590	CPS	IA	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	RSL	2022B		N/A	CONDENSATE GAMMA MONITOR	190 5	CPS CPS	IA IA	HLWM 17433		M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	FY	2023		658SV	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A			M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
CP	RM	241-028	LC	HS	2023		658HS	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A			M- M6-F- 2929		☒ Required ☐ Not Required ☐ Undetermined	☐ Complete ☒ Incomplete ☒ Information Only
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																	
RM	241-947	LD	LOOP	2001			1154L2	TK 47 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
MTE-F-3018-WMO																	

(FL & FM - F Tank Farm)(IA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

LIX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 40FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-947	LD	LOOP	2002			1154L1	TK 47 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2994-WMO
RM	241-947	LD	LOOP	2003			1154L3	TK 47 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3019-WMO
RM	241-945	LD	LOOP	2004			1001L2	TK 45 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3004-WMO
RM	241-945	LD	LOOP	2005			1054L1	TK 45 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3002-WMO
RM	241-945	LD	LOOP	2006			1054L2	TK 45 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3005-WMO
RM	241-944	LD	LOOP	2007			1001L1	TK 44 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2985-WMO
RM	241-944	LD	LOOP	2008			1007L2	TK 44 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2983-WMO
RM	241-944	LD	LOOP	2009			1007L1	TK 44 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2982-WMO
RM	241-946	LD	LOOP	2010			1104L2	TK 46 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3011-WMO
RM	241-946	LD	LOOP	2011			1104L1	TK 46 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3010-WMO
RM	241-946	LD	LOOP	2012			1104L3	TK 46 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3013-WMO
RM	241-946	LD	LOOP	2013			1154L4	TK 46 AREA LEAK DETECTION BOX 4 LEVEL LOOP	1/4	IN				M- M6-F- 3173	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3012-WMO
RM	241-928	LD	LOOP	2014			268L	TK 28 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3062-WMO
RM	241-928	LD	LOOP	2015			272L1	TK 28 AREA LEAK DETECTION BOX 4 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3065-WMO
RM	241-928	LD	LOOP	2016			269L1	TK 28 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3063-WMO
RM	241-928	LD	LOOP	2017			269L2	TK 28 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3064-WMO

(FL & FM - F Tank Farm)(HA-2994)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
RM	241-928	LD	LOOP	2018			272L2	TK 28 AREA LEAK DETECTION BOX 5 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W818677	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3066-WMO
RM	241-927	LD	LOOP	2019			217L	TK 27 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☒ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3051-WMO
RM	241-927	LD	LOOP	2020			222L3	TK 27 AREA LEAK DETECTION BOX 6 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3056-WMO
RM	241-927	LD	LOOP	2021			222L2	TK 27 AREA LEAK DETECTION BOX 5 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-2055-WMO
RM	241-927	LD	LOOP	2022			219L2	TK 27 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3052-WMO
RM	241-927	LD	LOOP	2023			219L1	TK 27 AREA LEAK DETECTION BOX 3 (CHARGING HOPPER) LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3053-WMO
RM	241-927	LD	LOOP	2024			222L1	TK 27 AREA LEAK DETECTION BOX 4 LEVEL LOOP	1/4	IN				M- M6-F- 3174	W700656	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3054-WMO
RM	241-926	LD	LOOP	2025			174L1	TK 26 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3036-WMO
RM	241-926	LD	LOOP	2026			173L1	TK 26 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3035-WMO
RM	241-926	LD	LOOP	2027			183L2	TK 26 AREA LEAK DETECTION BOX 10 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3044-WMO
RM	241-926	LD	LOOP	2028				TK 26 AREA LEAK DETECTION BOX 11 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☒ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3045-WMO
RM	241-926	LD	LOOP	2029			173L2	TK 26 AREA LEAK DETECTION BOX 9 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W701226	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3043-WMO
RM	241-926	LD	LOOP	2030			174L2	TK 26 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3037-WMO
RM	241-926	LD	LOOP	2031			174L3	TK 26 AREA LEAK DETECTION BOX 4 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W700655	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3038-WMO
RM	241-926	LD	LOOP	2032			173L4	TK 26 AREA LEAK DETECTION BOX 5 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W701226	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3039-WMO
RM	241-926	LD	LOOP	2033			173L5	TK 26 AREA LEAK DETECTION BOX 6 LEVEL LOOP	1/4	IN				M- M6-F- 3175	W701226	<div>☐ Required ☐ Not Required ☒ Undetermined</div>	<div>☐ Complete ☒ Incomplete ☐ Information Only</div>	MTE-F-3040-WMO

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 42FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N				M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
RM	241-926	LD	LOOP	2034	173L3	TK 26 AREA LEAK DETECTION BOX 7 LEVEL LOOP	1/4	IN			M- M6-F- 3175	W701226	☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3041-WMO
RM	241-926	LD	LOOP	2035	175L	TK 26 AREA LEAK DETECTION BOX 8 LEVEL LOOP	1/4	IN			M- M6-F- 3175	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3042-WMO
RM	241-925	LD	LOOP	2036	121L1	TK 25 AREA LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN			M- M6-F- 3175	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3028-WMO
RM	241-925	LD	LOOP	2037	121L2	TK 25 AREA LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN			M- M6-F- 3175	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3027-WMO
RM	241-925	LD	LOOP	2038	120L	TK 25 AREA LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN			M- M6-F- 3175	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3029-WMO
RM	241-033	LD	LOOP	2039	905L2	FDB-5 LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3068-WMO
RM	241-033	LD	LOOP	2040	905L1	FDB-5 LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3067-WMO
RM	241-021	LD	LOOP	2041	3479L1	FDB-4 LEAK DETECTION BOX 3 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☒ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3069-WMO
RM	241-021	LD	LOOP	2042	3479L2	FDB-4 LEAK DETECTION BOX 4 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3070-WMO
RM	241-021	LD	LOOP	2043	3478L1	PUMP PIT 2 LEAK DETECTION BOX 2 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3083-WMO
RM	241-021	LD	LOOP	2044	3475L2	PUMP PIT 3 LEAK DETECTION BOX 1 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3082-WMO
RM	241-021	LD	LOOP	2045	3481L	PUMP PITS 2 & 3 LEAK DETECTION BOX 10 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3076-WMO
RM	241-021	LD	LOOP	2046	3482L1	PUMP PIT 3 LEAK DETECTION BOX 13 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3079-WMO
RM	241-021	LD	LOOP	2047	3482L2	PUMP PIT 2 LEAK DETECTION BOX 14 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3079-WMO
RM	241-021	LD	LOOP	2048	3483L	PUMP PITS 2 & 3 LEAK DETECTION BOX 15 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3081-WMO
RM	241-021	LD	LOOP	2049	3478L2	PUMP PIT 3 LEAK DETECTION BOX 9 LEVEL LOOP	1/4	IN			M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3075-WMO

(FL & FM - F Tank Farm) (HA 206H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
CC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-021	LD	LOOP	2050			3477L2	FDB-4 LEAK DETECTION BOX 7 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3073-WMO
RM	241-021	LD	LOOP	2051			3477L1	FDB-4 LEAK DETECTION BOX 8 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3074-WMO
RM	241-021	LD	LOOP	2052			3478L1	FDB-4 LEAK DETECTION BOX 6 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3072-WMO
RM	241-021	LD	LOOP	2053			3478L2	FDB-4 LEAK DETECTION BOX 5 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3071-WMO
RM	241-021	LD	LOOP	2054			3484L1	PUMP PIT 2 LEAK DETECTION BOX 11 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3077-WMO
RM	241-021	LD	LOOP	2055			3484L2	FDB-4 LEAK DETECTION BOX 12 LEVEL LOOP	1/4	IN				M- M6-F- 3176	W700782	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3078-WMO
RM	242-016	LS	LOOP	2013			652PS2	EVAP WARMING COIL EXIT PRESSURE	10 20	PSIG PSIG				M- M6-F- 2929	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0477-WMO 21182301 MTE-F-0830-WMO
RM	242-016	LS	LOOP	2015				EVAP CONDENSATE LEVEL CHAMBER CONTROL LOOP						M- M6-F- 2929	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21911300
RM	241-944	LS	LOOP	2024			1206	TK 44 ANNULUS PRESSURE LOOP	5.0	PSIG		14357		M- M6-F- 2930	W704078	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21248401
RM	241-945	LS	LOOP	2025			1255	TK 45 ANNULUS VENT STEAM LOW PRESSURE LOOP	5.0	PSIG				M- M6-F- 2931	W704078	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0734A-WMO 21251601
RM	241-946	LS	LOOP	2027			1305	TK 46 ANNULUS VENT STEAM LOW PRESSURE LOOP	5.0	PSIG		14357		M- M6-F- 2932	W704078	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0735-WMO 21254701
RM	241-947	LS	LOOP	2028			1355	TK 47 ANNULUS VENT STEAM LOW PRESSURE LOOP	5.0	PSIG		14357		M- M6-F- 2933	W704078	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0732-WMO 21257801
RM	241-925	LS	LOOP	2029			319PS	TK 25 ANNULUS VENT PRESSURE ALARM	5.0	PSIG		14357		M- M6-F- 2935	W700833	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0728-WMO 21235901
RM	241-926	LS	LOOP	2030			356PS	TK 26 ANNULUS VENT HTR LO STEAM PRESSURE ALARM	5.0	PSIG				M- M6-F- 2936	W700834	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0729-WMO 21239001
RM	241-927	LS	LOOP	2031			391PS	TK 27 ANNULUS VENT (HTR LO STEAM PRESSURE) ALARM	5.0	PSIG				M- M6-F- 2937	W700835	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0730-WMO 21242201
RM	241-928	LS	LOOP	2032			3427PS2	TK 28 ANNULUS VENT PRESSURE ALARM (LO STEAM) LOOP	5.0	PSIG				M- M6-F- 2938	W700851	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0731-WMO 21245301

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIENT										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM		241-058	LS	LOOP	5041			MAINTENANCE BLDG TEMPERATURE VALVE CONTROL LOOP						M- M6-F- 2927	W703472	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21911316
RM		242-016	LS	LOOP	5114		552LV	EVAP LIFT GV SUPPLY LEVEL LOOP				17037		M- M6-F- 2928	W700672	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21180101
RM		242-016	MS	LOOP	2014		651	EVAP TUBE BUNDLE PRESSURE	10 30	PSIG PSIG		17044		M- M6-F- 2929	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0450-WMO MTE-F-0451A-WMO 21181501
RM		242-016	MS	LOOP	2018		650	EVAP FLASH TANK LEVEL	32 36	INWC INWC	AI A	17047		M- M6-F- 2929	W700673	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0446-WMO MTE-F-1958-WMO MTE-F-0758-WMO MTE-F-0759-WMO 21182901
RM		242-016	MS	LOOP	5042		555WS	EVAP TUBE BUNDLE TEMPERATURE LOOP	4	PSIG		17028		M- M6-F- 2928	W700672	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0460-WMO MTE-F-0769-WMO MTE-F-3245-WMO 21180301
CP	RM	242-016	MS	TY	5042		555 SV	EVAPORATOR POT TEMP	N/A	VAC psig	I			M- M6-F- 2928		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	RM	242-018	MS	TV	5042		555TV	EVAPORATOR POT TEMP	N/A	psig	I			M- M6-F- 2928		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	RM	242-018	MS	ZC	5042A		555TR	EVAPORATOR POT TEMP & PRESSURE	N/A	ma psig	I	HLWM 17029		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
SEE LOOP DESCRIPTION																		
RM		241-053	PA	LOOP	2001			CPRSR HSE PA CPRSR #1 CONTROL LOOP						M- M6-F- 2956	W701140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21913052
RM		241-053	PA	LOOP	2012			CPRSR HSE PA CPRSR #2 CONTROL LOOP						M- M6-F- 2956	W703454	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21913053
RM		241-018	PA	LOOP	2028			CPRSR HSE PA CPRSR #1 & #2 PRESS ALARM LOW LOOP						M- M6-F- 2956	W701140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21913098
RM		241-053	PA	LOOP	2027			CPRSR HSE PA AIR DRYER CONTROL LOOP						M- M6-F- 2957	W703454	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21913054
RM		907-004	SSEW	LOOP	2001		1812	907-4F DIVERSION GATE TO CREEK POSITION IND LOOP						M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915633
RM		907-004	SSEW	LOOP	2003		1811	907-4F DIVERSION GATE TO BASIN POSITION IND LOOP						M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915634

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AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM		907-004	SSEW	LOOP	2005		1607	907-4F STORM WATER MONITOR RADN IND/ALARM LOOP	60/130 5/52	CPS/AMER KHZ/CES				M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2175-WMO MTE-F-2176-WMO MTE-F-1330-WMO	21915635
									22	CPS/above background									
RM		907-004	SSEW	LOOP	2006		1613TS	907-4F STORM WATER MONITOR LOW TEMP CONTROL LOOP						M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915638
RM		907-004	SSEW	LOOP	2007		1609	907-4F STORM WATER MONITOR HIGH TEMP CONTROL LOOP						M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915636
RM		907-004	SSEW	LOOP	2008		1608	907-4F STORM WATER MONITOR DOOR OPEN IND LOOP						M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915637
RM		907-004	SSEW	LOOP	2009		1615E	907-4F STORM WATER MONITOR TROUBLE/MAINT IND LOOP				14321		M- M6-F- 3128	W738427	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21193101
RM		241-927	WE	LOOP	2030		700F	TK 27 CRC AIR VENT LIQUID DETECTION FLOW LOOP	1/4	INWC				M- M6-F- 3027	W702864	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2998-WMO	21911929
RM		242-016	WEE	LOOP	2002		675	EVAP LIFT GANG VALVE JET FV OUT PRESSURE LOOP	40	PSG		17061		M- M6-F- 3021	W700674	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0508-WMO	21181601
RM		242-016	WEE	LOOP	2004		680	EVAP LANCE GANG VALVE JET FV OUTLET PRESSURE LOOP				17063		M- M6-F- 3022	W700675	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21181701
RM		242-016	WEE	LOOP	2005		685	EVAP SUMP JET GANG V LOOP	40 65	PSG PSG				M- M6-F- 3023	W700721	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0513-WMO MTE-F-515A-WMO	21911920
RM		242-016	WEE	LOOP	2007		685	EVAP SUMP JET GANG V JET FV OUT PRESS LOOP				14357		M- M6-F- 3023	W700721	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21183301
RM		242-016	WEE	LOOP	2010		692	EVAP SUMP LEVEL LOOP	30	INWC				M- M6-F- 3024	W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2999-WMO MTE-F-2997-WMO	21911931
RM		242-016	WEE	LOOP	2012		691	EVAP SUMP & OVERHEADS SUMP LEVEL LOOP	20	INWC		17039		M- M6-F- 3024	W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0443-WMO	21180701
RM		242-016	WEE	LOOP	2013		690	EVAP LINER LEAK DETECTION BOX LEVEL LOOP	1/4	IN				M- M6-F- 3024	W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2996-WMO	21911932
RM		242-016	WEE	LOOP	2014		553	EVAP FOAM LEVEL LOOP	6	INWC		17025		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0455-WMO	21180401
RM		242-016	WEE	LOOP	2015		556	EVAP SPECIFIC GRAVITY LOOP						M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911921

(FL & FM - F Tank Farm)(H-A-299H)(H-E-ETF)(H-G-NWTF)(H-L & H-M - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM	242-016	WEE	LOOP	2016			576TS	EVAP OVERHEADS CONDENSER VENT TEMPERATURE LOOP	95	degC				M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1160-WMO MTE-F-3200-WMO	21911922
RM	242-016	WEE	LOOP	2017			575	EVAP OVERHEADS CONDENSER VENT TEMPERATURE LOOP						M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911923
RM	242-016	WEE	LOOP	2018			585	EVAP OVERHEADS CONDENSER INLET TEMPERATURE LOOP						M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911924
RM	242-016	WEE	LOOP	2019			584	EVAP MERCURY REMOVAL TANK INLET TEMP LOOP						M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911925
RM	242-016	WEE	LOOP	2020			580	EVAP OVERHEADS GAMMA DETECTION LOOP	4000 53	VDC/CPM OPS		PROC. 14471		M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0106-WMO MTE-F-0396-WMO	21181901
RM	242-016	WEE	LOOP	2021			577	EVAP CRC FEED TANK INLET FLOW LOOP						M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911926
RM	242-016	WEE	LOOP	2022			581	EVAP CRC FEED TANK LEVEL LOOP	17	INWC				M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3201-WMO	21911927
RM	242-016	WEE	LOOP	2023			582	EVAP CRC FEED TANK LEVEL LOOP	4.25 9	PSIG PSIG				M- M6-F- 3026	W700723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1197-WMO MTE-F-1196-WMO	21911928
RM	241-018	WEE	LOOP	2034			124	GDL TO TANKS HIGH / LOW TEMPERATURE ALARM LOOP	80	degC				M- M6-F- 3031	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0891-WMO	21911947
RM	242-016	WEE	LOOP	2037			600	EVAP OVERHEAD RECEIVERS INLET GAMMA DETECTION LOOP						M- M6-F- 3028	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911933
RM	242-016	WEE	LOOP	2039			606	EVAP OVERHEAD RECEIVERS INLET DIVERTER FLOW LOOP						M- M6-F- 3028	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911934
RM	242-016	WEE	LOOP	2040			603	EVAP OVERHEAD WEE-TK-8 LEVEL LOOP	55	INWC		17032		M- M6-F- 3028	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0443-WMO	21180901
RM	242-018	WEE	LOOP	2043			603	EVAP OVERHEAD WEE-TK-9 LEVEL LOOP	55	INWC		DPSOL 17033		M- M6-F- 3028	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911935
RM	242-018	WEE	LOOP	2048			610	EVAP OVERHEAD WEE-TK-8 OUT DIVERTER FV FLOW LOOP						M- M6-F- 3029	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911936
RM	242-018	WEE	LOOP	2049			611	EVAP OVERHEAD WEE-TK-9 OUT DIVERTER FV FLOW LOOP						M- M6-F- 3029	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911937
RM	242-016	WEE	LOOP	2050			601	EVAP OVERHEAD RECEIVERS SUMP LEVEL LOOP	10	INWC		17040		M- M6-F- 3029	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21181001

(FL & FM - F Tank Farm)(HA-2004)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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OLN = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
FM		242-018	WEE	LOOP	2051		612	EVAP OVERHEAD RECEIVERS SUMP LEVEL LOOP	1/4	INWC				M- M6-F- 3029	W701230	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2965-WMO	21911938
FM		241-926	WEE	LOOP	2057		168	TK 28 EVAPORATOR FEED PUMP FLOW LOOP	0/100	%				M- M6-F- 3030	W702215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21911930
FM		242-016	WEE	LOOP	2062			EVAP LIFT SOUTHSIDE VENT LINE TO TK 27 TEMP LOOP							W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FM		242-016	WEE	LOOP	2063			EVAP LIFT SOUTHSIDE VENT LINE TO TK 28 TEMP LOOP							W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FM		242-016	WEE	LOOP	2084			EVAP LIFT NORTHSIDE VENT LINE TO TK 25 TEMP LOOP							W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FM		242-016	WEE	LOOP	2065			EVAP LIFT NORTHSIDE VENT LINE TO TK 26 TEMP LOOP							W701069	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
FM		242-016	WEE	LOOP	5009		680	EVAP LANCE GANG VALVE LOOP	40	PSIG				M- M6-F- 3022	W700675	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0509-WMO	21911401
FM		241-016	WEE	LOOP	5042		553	EVAPORATOR POT PRESSURE	30	PSIG				M- M6-F- 3025		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0455-WMO	
CP	RM	241-018	WEE	LOOP	5042		555	EVAPORATOR POT TEMP	154	DEGC	IA	HLWM 17029	SW10.1 SW10.2-1 241-FH-1014	M- M6-F- 3025	W701091 W701069 W704066 W704226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0861-WMO MTE-F-0512-WMO MTE-F-0101-WMO MTE-F-0753-WMO	
This setpoint provides a conservative margin of error to maintain the temperature below the OSRTS requirements of 160 deg C [refs. 2 & 3]. The loop uncertainty evaluation performed by SRTC [ref. 1] indicates that the instrument uncertainty is 4.3 deg C. (1). WSRC-TR-94-031, 2F Evap CP class instrumentation uncertainties evaluations (U). 2/28/94. (2). Technical Standard 241-9.01, C.1. (3). Operational Safety Requirements DPW-86-103, 1.2.2.4.C.1, 1.1.C.6, 2.1.C.5. (4). HLWM Procedure 17028, Loop Verification for 2F Evaporator Pot Temperature Loop 5042 (Old Loop 555) (U). Tech Review / Work Request (G-TRC-F-00050 / WRI# KYN 11) performed to change setpoint from 150 deg C to 154 deg C																			
CP	RM	241-018	WEE	TAH	5042		555TA	EVAPORATOR POT TEMP	154 110	DEGC VAC	A	HLWM 17028		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MANUAL	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																			
CP	RM	241-018	WEE	TC	5042		555TC	EVAPORATOR POT TEMP	N/A	ma	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
SEE LOOP DESCRIPTION																			
THIS VALVE IS INTERLOCKED CLOSED FOR THE FOLLOWING ALARMS: HI POT TEMP., HI POT PRESSURE, LO LO POT LEVEL, HI COND. VENT TEMP & HI FOAM LEVEL WSRC-TR-94-031.																			
CP	RM	242-016	WEE	TT	5042		555TT	EVAPORATOR POT TEMP	N/A	DEGC	N/A	HLWM 17028		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0101-WMO	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																			
CP	RM	242-016	WEE	TE	5042		555T	EVAPORATOR POT TEMP	N/A	DEGC ma	N/A	HLWM 17028		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0753-WMO	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																			

(FL & FM - F Tank Farm) (IA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Hgt. Date: 1/18/95
Report Run Time: 2:23:01 PM
Page 44

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	AREA	BLDG	SYS	FUN	SEQ	SUB	OLD N	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M. ILL. D. or OTHER TYPE	Basis Requirements and Info Status	IPL COORDINATOR ASSIGNED NO.	IDP #
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CP	RM	242-016	WEE	TSH	5042		N/A	EVAPORATOR POT TEMP	154	DEGC	IA	HLWM 17028		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
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SEE LOOP DESCRIPTION

INTERLOCKS TV 5042 CLOSED TO PREVENT STRUCTURAL DAMAGE TO POT AND CARRYOVER RADIOACTIVE MATERIAL TO OHS
KYN 11 TO CHANGE INTERLOCK FROM 150 TO 154 U-PMT-F-00124 2/14/94 BY JEG WSRC-TR 94-031

CP	RM	241-018	WEE	LR	5042B		555C	EVAPORATOR POT TEMP	154	DEGC	N/A	HLWM 17028		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0861-WMO
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SEE LOOP DESCRIPTION

GS	RM	241-016	WEE	LOOP	5114		552LC	EVAPORATOR LIQUID LEVEL	39		INWC	IA	SW10.1 SW10.2-1 241-FH-1014 138-B-F-102C	M- M6-F- 3025	W701091 W700672 W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1346-WMO MTE-F-0444-WMO MTE-F-0444S-WMO
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MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desalt/descale operations will be required. SETPOINT CHANGE
U-PMT-H-00620

GS	RM	241-018	WEE	LAL	5114		552LA1	POT LEVEL (TRUE)	39		INWC	IA		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0444-WMO MANUAL
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INTERLOCKS EVAP. TEMP. CONTROL VALVE (TV 5042) CLOSED.

GS	RM	241-018	WEE	LAH	5114		552LA2	POT LEVEL (TRUE)	48		INWC	A		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MANUAL
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RELAY-496JA

GS	RM	241-018	WEE	HS	5114		552PB	EVAP LEVEL CONTROL SWITCH	N/A		N/A	IA		M- M6-F- 3025		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
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MOORE CONTROLLER IS USED TO ADJUST LIFT STEAM CONTROL VALVE (LV5114)

GS	RM	241-18F	WEE	LR	5114		552C	LIQUID LEVEL (TRUE)	N/A		N/A	N/A		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0442-WMO
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BLUE PIN

GS	RM	242-016	WEE	LT	5114		552LT	POT LEVEL (TRUE)	N/A		INWC	N/A		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0098-WMO
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GS	RM	242-016	WEE	DT	5114		551WT	EVAPORATOR POT SPECIFIC GRAVITY (PRIMARY)	N/A		INWC	N/A		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0505-WMO
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GS	RM	242-018	WEE	LC	5114		552LC	EVAPORATOR LIQUID LEVEL FIND LIC5114 FOR STATIC LOGIC IN LAYOUT(CONF MODES)	39 48		INWC INWC	N/A		M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	
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MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desalt/descale operations will be required. SETPOINT CHANGE
U-PMT-H-00620

RM	242-016	WEE	LOOP	5115		829PS	EVAP LIFT GANG VALVE LOOP	3		PSG				M- M6-F- 3021	W700674	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0510A-WMO 21911429
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(FL & FM - F Tank Farm)(HA 290H)(HE ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:13:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																	

(FL & FM - F Tank Farm)(HA 290H)(HE-ETF)(HG NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN

REFERENCE DRAWINGS

Basic Requirements
and Info Status

IPI COORDINATOR
ASSIGNED NO.

IDP #

FC	A	BLDG	SYS	RUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the lo to liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The lo to liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																			
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the lo to liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The lo to liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																			
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
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GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the lo to liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The lo to liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																			
GS	RM	242-018	WEE	N/A	LIC5114		552LC	EVAPORATOR LIQUID LEVEL CONTROLLER MOORE 352E CONTROLLER CONFIGURATION (MODES)	N/A	N/A	N/A			M- M6-F- 3025	W701091	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
MOORE CONTROLLER REGULATES STEAM TO LIFT BY ADJUSTING LIFT STEAM CONTROL VALVE (LV 5114) POSITION. WR MYS 22 will install a 15 sec time delay on the evaporator pot to liquid level interlock. The time delay will prevent temporary fluctuations in SG from activating the lo to liquid level interlock. The SG fluctuation will have to be sustained for more than 15 sec before the interlock is activated. The lo to liquid level interlock is not considered a safety interlock but rather an operational interlock which prevents the tube bundle from being uncovered during operation which will result in a decrease in evaporator utility since more frequent desal/descale operations will be required. SETPOINT CHANGE																			
RM	241-925	WTE	LOOP	118			118	TK 25 WTE RISER C2 RADIATION MONITOR ALARM LOOP	3	mi/hr				M- M6-F- 3261	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1279-WMO MTE-F-1286-WMO	21234801
RM	241-925	WTE	LOOP	119			1519	TK 25 WTE RISER C3 RADIATION MONITOR ALARM LOOP	3	mi/hr				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1079-WMO	21915105
RM	241-926	WTE	LOOP	150			150	TK 26 WTE RISER C1 RADIATION MONITOR ALARM LOOP	3	mi/hr				M- M6-F- 3289	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1208-WMO	21915976
RM	241-926	WTE	LOOP	151	A	151T1		TK 26 WTE TANK BOTTOM TEMPERATURE LOOP	35/0-100	FT/IN-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915967
					B	151T2			28/8-100	FT/IN-degC									
					C	151T3			25/0-100	FT/IN-degC									
					D	151T4			15/0-100	FT/IN-degC									
					E	151T5			8/8-100	FT/IN-degC									
					F	151T6			6/0-100	FT/IN-degC									
RM	241-926	WTE	LOOP	152			152	TK 26 WTE REEL TAPE LEVEL LOOP						M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21237401

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:53:01 PM
Page 51FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM	241-926	WTE	LOOP	153	A	153T1	153T1	TK 26 WTE TANK BOTTOM TEMPERATURE LOOP	35/0-100	FT/IN-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21915968	
					B	153T2	153T2		26/6-100	FT/IN-degC									
					C	153T3	153T3		25/0-100	FT/IN-degC									
					D	153T4	153T4		15/0-100	FT/IN-degC									
					E	153T5	153T5		6/6-100	FT/IN-degC									
					F	153T6	153T6		6/0-100	FT/IN-degC									
RM	241-926	WTE	LOOP	154			154	TK 26 WTE RISER R1 RADIATION MONITOR ALARM LOOP	3	mt/hr				M- M6-F- 3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3227-WMO	21915978
RM	241-926	WTE	LOOP	155			255	TK 26 WTE RISER E2 LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-P-3033-WMO	21915984
RM	241-926	WTE	LOOP	157	A	157T1	157T1	TK 26 WTE RISER D1 TEMPERATURE LOOP	0/1-100	IN/FT-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915984
					B	157T2	157T2		0/6-100	IN/FT-degC									
					C	157T3	157T3		1/0-100	IN/FT-degC									
					D	157T4	157T4		1/6-100	IN/FT-degC									
					E	157T5	157T5		3/0-100	IN/FT-degC									
					F	157T6	157T6		6/0-100	IN/FT-degC									
					G	157T7	157T7		12/0-100	IN/FT-degC									
RM	241-926	WTE	LOOP	158	A	158T1	158T1	TK 26 WTE RISER D2 TEMPERATURE LOOP	0/1-100	IN/FT-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915985
					B	158T2	158T2		0/6-100	IN/FT-degC									
					C	158T3	158T3		1/0-100	IN/FT-degC									
					D	158T4	158T4		1/6-100	IN/FT-degC									
					E	158T5	158T5		3/0-100	IN/FT-degC									
					F	158T6	158T6		6/0-100	IN/FT-degC									
					G	158T7	158T7		12/0-100	IN/FT-degC									
RM	241-926	WTE	LOOP	160	A	160T1	160T1	TK 26 WTE BASE SLAB TEMPERATURE LOOP						M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915911
					B	160T2	160T2												
RM	241-926	WTE	LOOP	161			161	TK 26 WTE WORK SLAB TEMPERATURE LOOP						M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915910
RM	241-926	WTE	LOOP	162	A	162T1	162T1	TK 26 WTE RISER D3 TEMPERATURE LOOP	0/1-100	IN/FT-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915886
					B	162T2	162T2		0/6-100	IN/FT-degC									
					C	162T3	162T3		1/0-100	IN/FT-degC									
					D	162T4	162T4		1/6-100	IN/FT-degC									
					E	162T5	162T5		3/0-100	IN/FT-degC									
					F	162T6	162T6		6/0-100	IN/FT-degC									
					G	162T7	162T7		19/0-100	IN/FT-degC									
RM	241-926	WTE	LOOP	164	A	163T1	163T1	TK 26 WTE RISER D4 TEMPERATURE LOOP	0/1-100	IN/FT-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915887
					B	163T2	163T2		0/6-100	IN/FT-degC									
					C	163T3	163T3		1/0-100	IN/FT-degC									
					D	163T4	163T4		1/6-100	IN/FT-degC									
					E	163T5	163T5		3/0-100	IN/FT-degC									
					F	163T6	163T6		27/0-100	IN/FT-degC									
					G	163T7	163T7		28/0-100	IN/FT-degC									
RM	241-926	WTE	LOOP	168			168	TK 26 WTE RISER A1 DIPTUBE LEVEL LOOP	1	INWC		17109		M- M6-F- 3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0021A-WMO MTE-F-0470-WMO MTE-F-1459-WMO	21237701
RM	241-926	WTE	LOOP	167			167	TK 26 WTE RISER C2 RADIATION MONITOR ALARM LOOP	3	mt/hr				M- M6-F- 3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1205-WMO	21238001

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTE/ESP/ET/NWTF ALARM/INTERLOCK SETPOINT DATABASE

REFERENCE DRAWINGS

Basic Requirements
and Info Status

IPL COORDINATOR
ASSIGNED NO.

IDP #

FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

CLIN BLDG SYS RUN SEQ SUB OLN DESCRIPTION SE U ALL MAINT PROC OPS PROC M TYPE W or OTHER TYPE

RM 241-926 WTE LOOP	169	169	TK 28 WTE RISER C3 LOOP	169	3	m/h	M-M6-F-3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1355-WMO	21915977
RM 241-926 WTE LOOP	176	176	TK 28 WTE RISER C3 LEVEL	176	1	IN	M-M6-F-3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0434-WMO	21915974
RM 241-927 WTE LOOP	385	385	TK 27 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	385	0.25/1.75	INWC	M-M6-F-3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1260-WMO	21916258
RM 241-944 WTE LOOP	2001	2001	TK 44 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	2001	10/5.0	%/ma	M-M6-F-3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0223A-WMO	21916917
RM 241-945 WTE AE	2001	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-945 WTE AT	2001	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-945 WTE LOOP	2001	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153	W703626	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-945 WTE LOOP	2001	1251	TK 45 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	2001	10/5.0	%/ma	M-M6-F-3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0300-WMO	21917315
RM 241-946 WTE LOOP	2001	1301	TK 46 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	2001	10/5.0	%/ma	M-M6-F-3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0225A-WMO	21917655
RM 241-947 WTE LOOP	2001		TK 47 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	2001	10/5.0	%/ma	M-M6-F-3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0226A-WMO	21917211
RM 241-018 WTE AT	2001-45	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-018 WTE AAH	2001-45	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-018 WTE AX	2001-47	N/A	HYDROGEN MONITOR	N/A	N/A	N/A	M-M6-F-3153		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM 241-928 WTE LOOP	2002	45	deg	TK 28 WTE H2 MONITOR HEAT TRACE CONTROL LOOP	45	deg	M-M6-F-3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916513
RM 241-928 WTE LOOP	2003	45	deg	TK 28 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	deg	M-M6-F-3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915883
RM 241-927 WTE LOOP	2003	10/5.0	%/ma	TK 27 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	10/5.0	%/ma	M-M6-F-3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1258-WMO	21916259

FL & FM - F Tank Farm (PL & HM - H Tank Farm)
ETP (H2G-NWTF) (PL & HM - H Tank Farm)
SORT BY AREA, SYSTEM SEQ, NUMBER, SEQ, SUB NUMBER, OLD LOOP NUMBER, IDP NUMBER FOR ALL AREAS EXCEPT ETP, ETP SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAIDS ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 53FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM	241-944	WTE	LOOP	2003			1201	TK 44 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	25/1.75	INWC				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1036A-WMO	21916942
RM	241-945	WTE	LOOP	2003			1201	TK 45 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	25/1.75	INWC				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1113C-WMO	21917316
RM	241-946	WTE	LOOP	2003			1301PS	TK 46 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	25/1.75	INWC				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1114-WMO	21917656
RM	241-947	WTE	LOOP	2003			1301	TK 47 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	25/1.75	INWC				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1115A-WMO	21917212
RM	241-925	WTE	LOOP	2005				TK 25 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3068	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915387
RM	241-927	WTE	LOOP	2005				TK 27 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3086	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916256
RM	241-944	WTE	LOOP	2005				TK 44 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916918
RM	241-945	WTE	LOOP	2005				TK 45 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917317
RM	241-946	WTE	LOOP	2005				TK 46 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917657
RM	241-947	WTE	LOOP	2005				TK 47 WTE HYDROGEN MONITOR HEAT TRACE CONTROL LOOP	45	degF				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917213
RM	241-927	WTE	LOOP	2007	A	200T7		TK 27 WTE TANK SIDEWALL	4/0-100	FT/IN-degC				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916219
					B	200T8		TEMPERATURE LOOP	10/0-100	FT/IN-degC									
					C	200T9			25/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2007	A	1004T7		TK 44 WTE TANK SIDEWALL	4/0-100	FT/IN-degC		14906		M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21246501
					B	1004T8		TEMPERATURE LOOP	10/0-100	FT/IN-degC									
					C	1004T8			25/0-100	FT/IN-degC									
RM	241-945	WTE	LOOP	2007	A	1055T7		TK 45 WTE TANK SIDEWALL	4/0-100	degC		14906B		M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21249601
					B	1055T8		TEMPERATURE LOOP	10/0-100	degC									
					C	1055T9			25/0-100	degC									
RM	241-946	WTE	LOOP	2007	A	1105T7		TK 46 WTE TANK SIDEWALL	4/0-100	FT/IN-degC		14906B		M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21252801
					B	1105T8		TEMPERATURE LOOP	10/0-100	FT/IN-degC									
					C	1105T9			25/0-100	FT/IN-degC									
RM	241-947	WTE	LOOP	2007	A	1155T7		TK 47 WTE TANK SIDEWALL	4/0-100	FT/IN-degC				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917257
					B	1155T8		TEMPERATURE LOOP	10/0-100	FT/IN-degC									
					C	1155T9			25/0-100	FT/IN-degC									

(FL & FM - F Tank Farm) (HA 290H) (HE - ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-927	WTE	LOOP	2008	A	201T7	TK 27 WTE TANK SIDEWALL	470-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required	☐ Complete	21916220
						201T8	TEMPERATURE LOOP	10/0-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						201T9	TEMPERATURE LOOP	25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
RM	241-944	WTE	LOOP	2008	A	1012T7	TK 44 WTE TANK SIDEWALL	4/0-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required	☐ Complete	21916833
						1012T8	TEMPERATURE LOOP	10/0-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1012T9	TEMPERATURE LOOP	25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
RM	241-945	WTE	LOOP	2008	A	1080T7	TK 45 WTE SIDEWALL	4/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917318
						1080T8	TEMPERATURE LOOP	10/0-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1080T9	TEMPERATURE LOOP	25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
RM	241-946	WTE	LOOP	2008	A	1110T7	TK 46 WTE TANK SIDEWALL	4/0-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required	☐ Complete	21917658
						1110T8	TEMPERATURE LOOP	10/0-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1110T9	TEMPERATURE LOOP	25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
RM	241-947	WTE	LOOP	2008	A	1180T7	TK 47 WTE TANK SIDEWALL	4/0-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required	☐ Complete	21917200
						1180T8	TEMPERATURE LOOP	10/0-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1180T9	TEMPERATURE LOOP	25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
RM	241-925	WTE	LOOP	2009	A	110T1	TK 25 WTE TANK BOTTOM	100	degC					M- M6-F- 3067	W700430	☐ Required	☐ Complete	21915366
						110T2	TEMPERATURE LOOP									☒ Not Required	☒ Incomplete	
						110T3										☒ Undetermined	☐ Information Only	
						110T4												
						110T5												
						110T6												
RM	241-927	WTE	LOOP	2009	A	200T1	TK 27 WTE TANK BOTTOM	35/0-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required	☐ Complete	21916189
						200T2	TEMPERATURE LOOP	26/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						200T3		35/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						200T4		15/0-100	FT/IN-degC									
						200T5		6/8-100	FT/IN-degC									
						200T6		6/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2009	A	1004T1	TK 44 WTE TANK BOTTOM	35/0-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required	☐ Complete	21916846
						1004T2	TEMPERATURE LOOP	26/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1004T3		25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						1004T4		15/0-100	FT/IN-degC									
						1004T5		6/8-100	FT/IN-degC									
						1004T6		6/0-100	FT/IN-degC									
RM	241-945	WTE	LOOP	2009	A	1055T1	TK 45 WTE TANK BOTTOM	35/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917323
						1055T2	TEMPERATURE LOOP	26/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1055T3		25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						1055T4		15/0-100	FT/IN-degC									
						1055T5		6/8-100	FT/IN-degC									
						1055T6		6/0-100	FT/IN-degC									
RM	241-946	WTE	LOOP	2009	A	1105T1	TK 46 WTE TANK BOTTOM	35/0-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required	☐ Complete	21917659
						1105T2	TEMPERATURE LOOP	26/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1105T3		25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						1105T4		15/0-100	FT/IN-degC									
						1105T5		6/8-100	FT/IN-degC									
						1105T6		6/0-100	FT/IN-degC									
RM	241-947	WTE	LOOP	2009	A	1155T1	TK 47 WTE TANK BOTTOM	35/0-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required	☐ Complete	21917201
						1155T2	TEMPERATURE LOOP	26/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						1155T3		25/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						1155T4		15/0-100	FT/IN-degC									
						1155T5		6/8-100	FT/IN-degC									
						1155T6		6/0-100	FT/IN-degC									

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 55FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
RM	241-925	WTE	LOOP	2010	A	111T1	TK 25 WTE TANK BOTTOM							M- M6-F- 3068	W700430	☐ Required ☐ Complete	21915383	
					B	111T2	TEMPERATURE LOOP									☐ Not Required ☒ Incomplete		
					C	111T3										☒ Undetermined ☐ Information Only		
					D	111T4												
					E	111T5												
					F	111T6												
RM	241-927	WTE	LOOP	2010	A	201T1	TK 27 WTE TANK BOTTOM		35/0-100	FT/IN-degC				M- M6-F- 3085	W700656	☐ Required ☐ Complete	21916190	
					B	201T2	TEMPERATURE LOOP		26/6-100	FT/IN-degC						☐ Not Required ☒ Incomplete		
					C	201T3			25/0-100	FT/IN-degC						☒ Undetermined ☐ Information Only		
					D	201T4			15/0-100	FT/IN-degC								
					E	201T5			6/6-100	FT/IN-degC								
					F	201T6			6/0-100	FT/IN-degC								
RM	241-944	WTE	LOOP	2010	A	1012T1	TK 44 WTE TANK BOTTOM		35/0-100	FT/IN-degC				M- M6-F- 3129	W702812	☐ Required ☐ Complete	21916919	
					B	1012T2	TEMPERATURE LOOP		26/6-100	FT/IN-degC						☐ Not Required ☒ Incomplete		
					C	1012T3			25/0-100	FT/IN-degC						☒ Undetermined ☐ Information Only		
					D	1012T4			15/0-100	FT/IN-degC								
					E	1012T5			6/6-100	FT/IN-degC								
					F	1012T6			0/6-100	FT/IN-degC								
RM	241-945	WTE	LOOP	2010	A	1060T1	TK 45 WTE TANK BOTTOM		35/0-100	FT/IN-degC				M- M6-F- 3153	W702813	☐ Required ☐ Complete	21917324	
					B	1060T2	TEMPERATURE LOOP		26/6-100	FT/IN-degC						☐ Not Required ☒ Incomplete		
					C	1060T3			25/0-100	FT/IN-degC						☒ Undetermined ☐ Information Only		
					D	1060T4			15/0-100	FT/IN-degC								
					E	1060T5			6/6-100	FT/IN-degC								
					F	1060T6			6/0-100	FT/IN-degC								
RM	241-946	WTE	LOOP	2010	A	1110T1	TK 46 WTE TANK BOTTOM		35/0-100	FT/IN-degC				M- M6-F- 3168	W702814	☐ Required ☐ Complete	21917660	
					B	1110T2	TEMPERATURE LOOP		26/6-100	FT/IN-degC						☐ Not Required ☒ Incomplete		
					C	1110T3			25/0-100	FT/IN-degC						☒ Undetermined ☐ Information Only		
					D	1110T4			15/0-100	FT/IN-degC								
					E	1110T5			6/6-100	FT/IN-degC								
					F	1110T6			6/0-100	FT/IN-degC								
RM	241-947	WTE	LOOP	2010	A	1160T1	TK 47 WTE TANK BOTTOM		35/0-100	FT/IN-degC				M- M6-F- 3104	W702815	☐ Required ☐ Complete	21917202	
					B	1160T2	TEMPERATURE LOOP		26/6-100	FT/IN-degC						☐ Not Required ☒ Incomplete		
					C	1160T3			25/0-100	FT/IN-degC						☒ Undetermined ☐ Information Only		
					D	1160T4			15/0-100	FT/IN-degC								
					E	1160T5			6/6-100	FT/IN-degC								
					F	1160T6			6/0-100	FT/IN-degC								
RM	241-927	WTE	LOOP	2011	A	392T1	TK 27 WTE KNUCKLE PLATE		25	degC				M- M6-F- 3085	W700656	☐ Required ☐ Complete	21916218	
					B	392T2	TEMPERATURE LOOP									☐ Not Required ☒ Incomplete		
					C	392T3										☒ Undetermined ☐ Information Only		
					D	392T4												
RM	241-944	WTE	LOOP	2011	A	1216T1	TK 44 WTE KNUCKLE PLATE		25	degC				M- M6-F- 3129	W702812	☐ Required ☐ Complete	21916920	
					B	1216T2	TEMPERATURE LOOP									☐ Not Required ☒ Incomplete		
					C	1216T3										☒ Undetermined ☐ Information Only		
					D	1216T4												
RM	241-945	WTE	LOOP	2011	A	1266T1	TK 45 WTE KNUCKLE PLATE		25	degC				M- M6-F- 3153	W702813	☐ Required ☐ Complete	21917325	
					B	1266T2	TEMPERATURE LOOP									☐ Not Required ☒ Incomplete		
					C	1266T3										☒ Undetermined ☐ Information Only		
					D	1266T4												
RM	241-946	WTE	LOOP	2011	A	1316T1	TK 46 WTE KNUCKLE PLATE		25	degC				M- M6-F- 3168	W702814	☐ Required ☐ Complete	21917661	
					B	1316T2	TEMPERATURE LOOP									☐ Not Required ☒ Incomplete		
					C	1316T3										☒ Undetermined ☐ Information Only		
					D	1316T4												

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-947	WTE	LOOP	2011	A	1366T1	TK 47 WTE KNUCKLE PLATE	25	degC			14906B		M- M6-F- 3104	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21255901
					B	1366T2	TEMPERATURE LOOP											
					C	1366T3												
					D	1366T4												
RM	241-927	WTE	LOOP	2012	A	213T1	TK 27 WTE BASE SLAB							M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916196
					B	213T2	TEMPERATURE LOOP											
RM	241-944	WTE	LOOP	2012	A	1013T1	TK 44 WTE BASE SLAB							M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916921
					B	1013T2	TEMPERATURE LOOP											
RM	241-945	WTE	LOOP	2012	A	1083T1	TK 45 WTE BASE SLAB							M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917326
					B	1083T2	TEMPERATURE LOOP											
RM	241-946	WTE	LOOP	2012	A	1113T1	TK 46 WTE BASE SLAB							M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917662
					B	1113T2	TEMPERATURE LOOP											
RM	241-947	WTE	LOOP	2012	A	1183T1	TK 47 WTE BASE SLAB							M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917203
					B	1183T2	TEMPERATURE LOOP											
RM	241-946	WTE	LOOP	2013			TK 46 WTE WORK SLAB							M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917663
							TEMPERATURE LOOP											
RM	241-927	WTE	LOOP	2013	A	214T1	TK 27 WTE WORK SLAB							M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916195
					B	214T2	TEMPERATURE LOOP											
RM	241-944	WTE	LOOP	2013	A	1014T1	TK 44 WTE WORK SLAB							M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916922
					B	1014T2	TEMPERATURE LOOP											
RM	241-945	WTE	LOOP	2013	A	1084T1	TK 45 WTE WORK SLAB							M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917327
					B	1084T2	TEMPERATURE LOOP											
RM	241-947	WTE	LOOP	2013	A	1184T1	TK 47 WTE WORK SLAB							M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21917204
					B	1184T2	TEMPERATURE LOOP											
RM	241-927	WTE	LOOP	2014	A	211T1	TK 27 WTE RISER D4	0/1-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916183
					B	211T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC									
					C	211T3		1/0-100	FT/IN-degC									
					D	211T4		1/6-100	FT/IN-degC									
					E	211T5		3/0-100	FT/IN-degC									
					F	211T6		27/0-100	FT/IN-degC									
					G	211T7		26/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2014	A	1011T1	TK 44 WTE RISER D4	0/1-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	21916929
					B	1011T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC									
					C	1011T3		1/0-100	FT/IN-degC									
					D	1011T4		1/6-100	FT/IN-degC									
					E	1011T5		3/0-100	FT/IN-degC									
					F	1011T6		25/0-100	FT/IN-degC									
					G	1011T7		26/0-100	FT/IN-degC									

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Report Run Time - 2:39:01 PM
Page 57FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-945	WTE	LOOP	2014	A	1059T1	TK 45 WTE RISER D4	1/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917328
						B	1059T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1059T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1059T4	1/6-100	FT/IN-degC									
						E	1059T5	3/0-100	FT/IN-degC									
						F	1059T6	6/0-100	FT/IN-degC									
						G	1059T7	26/0-100	FT/IN-degC									
RM	241-946	WTE	LOOP	2014	A	1109T1	TK 46 WTE RISER D4	0/1-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required	☐ Complete	21917664
						B	1109T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1109T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1109T4	1/6-100	FT/IN-degC									
						E	1109T5	3/0-100	FT/IN-degC									
						F	1109T6	6/0-100	FT/IN-degC									
						G	1109T7	26/0-100	FT/IN-degC									
RM	241-947	WTE	LOOP	2014	A	1159T1	TK 47 WTE RISER D4	0/1-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required	☐ Complete	21917199
						B	1159T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1159T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1159T4	1/6-100	FT/IN-degC									
						E	1159T5	3/0-100	FT/IN-degC									
						F	1159T6	27/0-100	FT/IN-degC									
						G	1159T7	26/0-100	FT/IN-degC									
RM	241-927	WTE	LOOP	2015	A	210T1	TK 27 WTE RISER D3	0/1-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required	☐ Complete	21916182
						B	210T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	210T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	210T4	1/6-100	FT/IN-degC									
						E	210T5	3/0-100	FT/IN-degC									
						F	210T6	6/0-100	FT/IN-degC									
						G	210T7	19/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2015	A	1010T1	TK 44 WTE RISER D3	0/1-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required	☐ Complete	21916830
						B	1010T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1010T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1010T4	1/6-100	FT/IN-degC									
						E	1010T5	3/0-100	FT/IN-degC									
						F	1010T6	6/0-100	FT/IN-degC									
						G	1010T7	19/0-100	FT/IN-degC									
RM	241-945	WTE	LOOP	2015	A	1058T1	TK 45 WTE RISER D3	1/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917329
						B	1058T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1058T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1058T4	1/6-100	FT/IN-degC									
						E	1058T5	3/0-100	FT/IN-degC									
						F	1058T6	6/0-100	FT/IN-degC									
						G	1058T7	19/0-100	FT/IN-degC									
RM	241-946	WTE	LOOP	2015	A	1108T1	TK 46 WTE RISER D3	0/1-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required	☐ Complete	21917665
						B	1108T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1108T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1108T4	1/6-100	FT/IN-degC									
						E	1108T5	3/0-100	FT/IN-degC									
						F	1108T6	6/0-100	FT/IN-degC									
						G	1108T7	26/0-100	FT/IN-degC									
RM	241-947	WTE	LOOP	2015	A	1158T1	TK 47 WTE RISER D3	0/1-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required	☐ Complete	21917198
						B	1158T2	0/6-100	FT/IN-degC			☐ Not Required	☒ Incomplete					
						C	1158T3	1/0-100	FT/IN-degC			☒ Undetermined	☐ Information Only					
						D	1158T4	1/6-100	FT/IN-degC									
						E	1158T5	3/0-100	FT/IN-degC									
						F	1158T6	6/0-100	FT/IN-degC									
						G	1158T7	19/0-100	FT/IN-degC									

(FL & FM - F Tank Farm)(HA 280H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:39:01 PM
Page 58FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-927	WTE	LOOP	2016	A	209T1	TK 27 WTE RISER D2	0/1-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required	☐ Complete	21916181
						B	209T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	209T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	209T4	1/8-100	FT/IN-degC									
						E	209T5	3/0-100	FT/IN-degC									
						F	209T6	6/0-100	FT/IN-degC									
						G	209T7	12/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2016	A	1009T1	TK 44 WTE RISER D2	0/1-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required	☐ Complete	21916831
						B	1009T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1009T3	12/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1009T4	1/8-100	FT/IN-degC									
						E	1009T5	3/0-100	FT/IN-degC									
						F	1009T6	6/0-100	FT/IN-degC									
						G	1009T7	25/0-100	FT/IN-degC									
RM	241-945	WTE	LOOP	2016	A	1057T1	TK 45 WTE RISER D2	1/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917330
						B	1057T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1057T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1057T4	1/8-100	FT/IN-degC									
						E	1057T5	3/0-100	FT/IN-degC									
						F	1057T6	6/0-100	FT/IN-degC									
						G	1057T7	25/0-100	FT/IN-degC									
RM	241-946	WTE	LOOP	2016	A	1107T1	TK 46 WTE RISER D2	0/1-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required	☐ Complete	21917666
						B	1107T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1107T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1107T4	1/8-100	FT/IN-degC									
						E	1107T5	3/0-100	FT/IN-degC									
						F	1107T6	6/0-100	FT/IN-degC									
						G	1107T7	12/0-100	FT/IN-degC									
RM	241-947	WTE	LOOP	2016	A	1157T1	TK 47 WTE RISER D2	0/1-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required	☐ Complete	21917197
						B	1157T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1157T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1157T4	1/8-100	FT/IN-degC									
						E	1157T5	3/0-100	FT/IN-degC									
						F	1157T6	6/0-100	FT/IN-degC									
						G	1157T7	12/0-100	FT/IN-degC									
RM	241-927	WTE	LOOP	2017	A	208T1	TK 27 WTE RISER D1	0/1-100	FT/IN-degC					M- M6-F- 3085	W700656	☐ Required	☐ Complete	21916180
						B	208T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	208T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	208T4	1/8-100	FT/IN-degC									
						E	208T5	3/0-100	FT/IN-degC									
						F	208T6	6/0-100	FT/IN-degC									
						G	208T7	12/0-100	FT/IN-degC									
RM	241-944	WTE	LOOP	2017	A	1008T1	TK 44 WTE RISER D1	0/1-100	FT/IN-degC					M- M6-F- 3129	W702812	☐ Required	☐ Complete	21916832
						B	1008T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1008T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1008T4	1/8-100	FT/IN-degC									
						E	1008T5	3/0-100	FT/IN-degC									
						F	1008T6	6/0-100	FT/IN-degC									
						G	1008T7	12/0-100	FT/IN-degC									
RM	241-945	WTE	LOOP	2017	A	1056T1	TK 45 WTE RISER D1	1/0-100	FT/IN-degC					M- M6-F- 3153	W702813	☐ Required	☐ Complete	21917331
						B	1056T2	0/8-100	FT/IN-degC							☐ Not Required	☒ Incomplete	
						C	1056T3	1/0-100	FT/IN-degC							☒ Undetermined	☐ Information Only	
						D	1056T4	1/8-100	FT/IN-degC									
						E	1056T5	3/0-100	FT/IN-degC									
						F	1056T6	6/0-100	FT/IN-degC									
						G	1056T7	12/0-100	FT/IN-degC									

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ NUMBER SEQ SUB NUMBER OLD LOOP NUMBER IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 59FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status				IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	ASSIGNED NO.	IDP #
RM	241-946	WTE	LOOP	2017	A	1106T1	TK 46 WTE RISER D1	0/1-100	FT/IN-degC					M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917667
					B	1106T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC										
					C	1106T3		1/0-100	FT/IN-degC										
					D	1106T4		1/6-100	FT/IN-degC										
					E	1106T5		3/0-100	FT/IN-degC										
					F	1106T6		6/0-100	FT/IN-degC										
					G	1106T7		12/0-100	FT/IN-degC										
RM	241-947	WTE	LOOP	2017	A	1156T1	TK 47 WTE RISER D1	0/1-100	FT/IN-degC					M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21917196
					B	1156T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC										
					C	1156T3		1/0-100	FT/IN-degC										
					D	1156T4		1/6-100	FT/IN-degC										
					E	1156T5		3/0-100	FT/IN-degC										
					F	1156T6		6/0-100	FT/IN-degC										
					G	1156T7		12/0-100	FT/IN-degC										
RM	241-927	WTE	LOOP	2018		208L1	TK 27 WTE RISER E2 LEVEL LOOP	1/4	INWC					M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3046-WMO	21916264
RM	241-944	WTE	LOOP	2018		1005	TK 44 WTE RISER E2 LEVEL LOOP	1/4	IN					M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2989-WMO	21451191
RM	241-945	WTE	LOOP	2018		1052L1	TK 45 WTE RISER E2 LEVEL LOOP	1/4	IN			14355		M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3006-WMO	21250101
RM	241-946	WTE	LOOP	2018		1102L1	TK 46 WTE RISER E2 LEVEL LOOP	1/4	IN			14355		M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21253201
RM	241-947	WTE	LOOP	2018		1152L1	TK 47 WTE RISER E2 LEVEL LOOP	1/4	IN					M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2993-WMO	21917208
RM	241-927	WTE	LOOP	2019		208LA	TK 27 WTE RISER A2 LEVEL LOOP	1/4	INWC					M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3048-WMO	21916261
RM	241-944	WTE	LOOP	2019		1005	TK 44 WTE RISER A2 LEVEL LOOP	1/4	IN					M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2986-WMO	21916923
RM	241-945	WTE	LOOP	2019		1052L2	TK 45 WTE RISER A2 LEVEL LOOP	1/4	IN					M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3008-WMO	21917334
RM	241-946	WTE	LOOP	2019		1102L2	TK 46 WTE RISER A2 LEVEL LOOP	1/4	IN					M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3015-WMO	21917668
RM	241-947	WTE	LOOP	2019		1152L2	TK 47 WTE RISER A2 LEVEL LOOP	1/4	IN					M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2992-WMO	21917206
RM	241-927	WTE	LOOP	2020		208L3	TK 27 WTE RISER A4 LEVEL LOOP	1/4	IN					M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3050-WMO	21916262
RM	241-944	WTE	LOOP	2020		1005	TK 44 WTE RISER A4 LEVEL LOOP	1/4	IN					M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2984-WMO	21916924

(FL & FM - F Tank Farm) (HA-2904) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-945	WTE	LOOP	2020			1052L3	TK 45 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3001-WMO 21917332
RM	241-946	WTE	LOOP	2020			1102L3	TK 46 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3017-WMO 21917669
RM	241-947	WTE	LOOP	2020			1152L3	TK 47 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2990-WMO 21917207
RM	241-927	WTE	LOOP	2021			206L4	TK 27 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3049-WMO 21916260
RM	241-944	WTE	LOOP	2021			1005	TK 44 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2987-WMO 21916925
RM	241-945	WTE	LOOP	2021			1052L4	TK 45 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3000-WMO 21917333
RM	241-946	WTE	LOOP	2021			1102L8	TK 46 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3016-WMO 21917670
RM	241-947	WTE	LOOP	2021			1152L4	TK 47 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2991-WMO 21917205
RM	241-927	WTE	LOOP	2022			206L5	TK 27 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3047-WMO 21916269
RM	241-944	WTE	LOOP	2022			1005	TK 44 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-2988-WMO 21916926
RM	241-945	WTE	LOOP	2022			1052L5	TK 45 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3007-WMO 21917335
RM	241-946	WTE	LOOP	2022			1102L5	TK 46 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3014-WMO 21917671
RM	241-947	WTE	LOOP	2022			155LE3	TK 47 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3021-WMO 21917209
RM	241-927	WTE	LOOP	2023			206L8	TK 27 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3116-WMO 21916270
RM	241-944	WTE	LOOP	2023			1005	TK 44 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3110-WMO 21916927
RM	241-945	WTE	LOOP	2023			1052L8	TK 45 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3111-WMO 21917336

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

LIX-G-0001
(Ref: WSRC-TR-94-400)

Report Due Date 11/04/04
Report Number 2310174

FTF/HTF/ESP/ETFF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

EC A BLDG SYS FUN SEQ SUB QLN DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W or OTHER TYPE REFERENCE DRAWINGS Basic Requirements and Info Status IPL COORDINATOR ASSIGNED NO IDP #

RM	241-946	WTE	LOOP	2023	1102L6	TK 46 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN		M	M6-F-3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-3112-WMO	21917672
RM	241-947	WTE	LOOP	2023	1152L6	TK 47 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN		M	M6-F-3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-3113-WMO	21917210
RM	241-927	WTE	LOOP	2024	202LA	TK 27 WTE REEL TAPE LEVEL LOOP				M	M6-F-3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		21240601
RM	241-944	WTE	LOOP	2024	1003	TK 44 WTE REEL TAPE LEVEL LOOP				M	M6-F-3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		21249801
RM	241-945	WTE	LOOP	2024	1051	TK 45 WTE REEL TAPE LEVEL LOOP				M	M6-F-3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		21249901
RM	241-946	WTE	LOOP	2024	1101	TK 46 WTE RISER E2 REEL TAPE LOOP				M	M6-F-3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		21253101
RM	241-947	WTE	LOOP	2024	252LA	TK 47 WTE REEL TAPE LEVEL LOOP				M	M6-F-3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		21256201
RM	241-927	WTE	LOOP	2025	220LA	TK 27 WTE RISER C3 LEVEL LOOP	1	IN		M	M6-F-3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0435-WMO	21918265
RM	241-944	WTE	LOOP	2025	1017	TK 44 WTE RISER C3 LEVEL LOOP	1	INWC		M	M6-F-3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0437A-WMO	21918928
RM	241-945	WTE	LOOP	2025	1065	TK 45 WTE RISER C3 LEVEL LOOP	1	INWC		M	M6-F-3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0438-WMO	21917337
RM	241-946	WTE	LOOP	2025	1115PS	TK 46 WTE RISER C3 LEVEL (SOL-BFV) LOOP	1	INWC		M	M6-F-3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0439-WMO	21917673
RM	241-947	WTE	LOOP	2025	1166LS	TK 47 WTE RISER C3 LEVEL LOOP	1	INWC		M	M6-F-3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0440-WMO	21917214
RM	241-927	WTE	LOOP	2026	203C	TK 27 WTE RISER A1 DIPTUBE LEVEL LOOP	1	IN		M	M6-F-3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0137-WMO MTE-F-0467-WMO	21918263
RM	241-944	WTE	LOOP	2026	1006	TK 44 WTE RISER A1 DIPTUBE LEVEL LOOP	1	IN		M	M6-F-3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0482-WMO MTE-F-0282-WMO MTE-F-1420-WMO	21247101
RM	241-945	WTE	LOOP	2026	1053LT	TK 45 WTE RISER A1 DIPTUBE LEVEL LOOP	1	INWC		M	M6-F-3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0482-WMO MTE-F-0050-WMO MTE-F-1410-WMO	21250301
RM	241-946	WTE	LOOP	2026	1103	TK 46 WTE RISER A1 DIPTUBE LEVEL LOOP	0.1	INWC		M	M6-F-3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	MTE-F-0044-WMO MTE-F-0421-WMO MTE-F-1411-WMO	21253401

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM	241-947	WTE	LOOP	2028			1153	TK 47 WTE RISER A1 DIPTUBE LEVEL LOOP	1	INWC		17109		M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0086-WMO MTE-F-1412-WMO	21256501
RM	241-928	WTE	LOOP	2030			3428T2	TK 28 HV PURGE EXH AIR TEMP LOOP						M- M6-F- 3132	W818683	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916510
RM	241-927	WTE	LOOP	2060			218	TK 27 WTE RISER C2 VAMP LOOP	3	ml/hr				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0032-WMO	21241201
RM	241-925	WTE	LOOP	2061			103X1	TK 25 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1271-WMO	21915106
RM	241-927	WTE	LOOP	2061			206X1H	TK 27 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1269-WMO	21916268
RM	241-944	WTE	LOOP	2061			1002X2	TK 44 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3216-WMO	21916929
RM	241-945	WTE	LOOP	2061			1050	TK 45 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3217-WMO	21917338
RM	241-946	WTE	LOOP	2061			1100	TK 46 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1082-WMO	21917674
RM	241-947	WTE	LOOP	2061			1150X2	TK 47 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP	3	ml/hr				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1204-WMO	21917216
RM	241-927	WTE	LOOP	2062			205E1	TK 27 WTE RISER C1 VAMP ALARM LOOP	3	ml/hr				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1357-WMO	21916267
RM	241-944	WTE	LOOP	2062			1002X1	TK 44 WTE RISER C1 VAMP ALARM LOOP	3	ml/hr				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3313-WMO	21247401
RM	241-945	WTE	LOOP	2062			1287	TK 45 WTE RISER C1 VAMP ALARM	3	ml/hr				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1287-WMO	21917339
RM	241-946	WTE	LOOP	2062			1100	TK 46 WTE RISER C1 VAMP ALARM LOOP	3	ml/hr				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1270-WMO	21917675
RM	241-947	WTE	LOOP	2062			206	TK 47 WTE RISER C1 VAMP ALARM LOOP	3	ml/hr				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21256801
RM	241-927	WTE	LOOP	2063			204E1	TK 27 WTE RISER C3 VAMP LOOP	3	ml/hr				M- M6-F- 3085	W700656	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1358-WMO	21916266
RM	241-944	WTE	LOOP	2063			1002X3	TK 44 WTE RISER C3 VAMP LOOP	3	ml/hr				M- M6-F- 3129	W702812	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1294-WMO	21916930

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 63FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
RM		241-945	WTE	LOOP	2063			TK 45 WTE RISER C3 VAMP LOOP	3	mr/hr				M- M6-F- 3153	W702813	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1070-WMO 21917344
RM		241-946	WTE	LOOP	2063			TK 46 WTE RISER C3 RAD MONITOR LOOP	3	mr/hr				M- M6-F- 3168	W702814	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1096-WMO 21917676 MTE-F-1354-WMO
RM		241-947	WTE	LOOP	2063		1150	TK 47 WTE RISER C3 VAMP ALARM LOOP	3	mr/hr				M- M6-F- 3104	W702815	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1291-WMO 21917215 MTE-F-1292-WMO
RM		241-926	WTE	LOOP	2065			TK 28 WTE RISER E1 REEL TAPE LOOP						M- M6-F- 3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21915979
RM		241-928	WTE	LOOP	250		250X	TK 28 WTE RISER C1 RADIATION MONITOR ALARM LOOP	3	mr				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3220-WMO 21916506
RM		241-928	WTE	LOOP	252			TK 28 WTE RISER E2 REEL TAPE LEVEL LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21243701
RM		241-928	WTE	LOOP	253		253LT	TK 28 WTE RISER A1 DIPTUBE LEVEL LOOP	1	IN		17109		M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-0006-WMO 21244001
RM		241-928	WTE	LOOP	254		254X2	TK 28 WTE RISER C3 RADIATION MONITOR ALARM LOOP	3	mr				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3222-WMO 21916507
RM		241-928	WTE	LOOP	255		255LA1	TK 28 WTE RISER E2 LEVEL LOOP	1/4	IN		14355		M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3057-WMO 21243801
RM		241-928	WTE	LOOP	257	A B C D E F	257T1 257T2 257T3 257T4 257T5 257T6	TK 28 WTE TANK BOTTOM TEMPERATURE LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21916516
RM		241-928	WTE	LOOP	258	A B C D E F	258T1 258T2 258T3 258T4 258T5 258T6	TK 28 WTE TANK BOTTOM TEMPERATURE LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21916517
RM		241-928	WTE	LOOP	260	A B	260T1 260T2	TK 28 WTE BASE SLAB TEMPERATURE LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21916548
RM		241-928	WTE	LOOP	261	A B	261T1 261T2	TK 28 WTE WORK SLAB TEMPERATURE LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only 21916547

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
FM	241-928	WTE	LOOP	262	A	262T1	262T1	TK 28 WTE RISER D1	0/1-100	FT/IN-degC				M- M6-F- 3131	W818677	☐ Required	☐ Complete	21916554
						B		262T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC					☐ Not Required	☒ Incomplete	
						C		262T3		1/0-100	FT/IN-degC					☒ Undetermined	☐ Information Only	
						D		262T4		1/6-100	FT/IN-degC							
						E		262T5		3/0-100	FT/IN-degC							
						F		262T6		6/0-100	FT/IN-degC							
						G		262T7		12/0-100	FT/IN-degC							
FM	241-928	WTE	LOOP	263	A	263T1	263T1	TK 28 WTE RISER D2	0/1-100	FT/IN-degC				M- M6-F- 3131	W818677	☐ Required	☐ Complete	21916550
						B		263T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC					☐ Not Required	☒ Incomplete	
						C		263T3		1/0-100	FT/IN-degC					☒ Undetermined	☐ Information Only	
						D		263T4		1/6-100	FT/IN-degC							
						E		263T5		3/0-100	FT/IN-degC							
						F		263T6		6/0-100	FT/IN-degC							
						G		263T7		12/0-100	FT/IN-degC							
FM	241-928	WTE	LOOP	264	A	264T1	264T1	TK 28 WTE RISER D3	0/1-100	FT/IN-degC				M- M6-F- 3131	W818677	☐ Required	☐ Complete	21916549
						B		264T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC					☐ Not Required	☒ Incomplete	
						C		264T3		1/0-100	FT/IN-degC					☒ Undetermined	☐ Information Only	
						D		264T4		1/6-100	FT/IN-degC							
						E		264T5		3/0-100	FT/IN-degC							
						F		264T6		6/0-100	FT/IN-degC							
						G		264T7		12/0-100	FT/IN-degC							
FM	241-928	WTE	LOOP	265	A	265T1	265T1	TK 28 WTE RISER D4	0/1-100	FT/IN-degC				M- M6-F- 3131	W818677	☐ Required	☐ Complete	21916548
						B		265T2	TEMPERATURE LOOP	0/6-100	FT/IN-degC					☐ Not Required	☒ Incomplete	
						C		265T3		1/0-100	FT/IN-degC					☒ Undetermined	☐ Information Only	
						D		265T4		3/0-100	FT/IN-degC							
						E		265T5		27/0-100	FT/IN-degC							
						F		265T6		26/0-100	FT/IN-degC							
						G												
FM	241-928	WTE	LOOP	267		267X1		TK 28 WTE RISER C2	3	mr				M- M6-F- 3131	W818677	☐ Required	☐ Complete	MTE-F-3221-WMO 21244301
								RADIATION MONITOR ALARM								☐ Not Required	☒ Incomplete	
								LOOP								☒ Undetermined	☐ Information Only	
FM	241-928	WTE	LOOP	270		270LA		TK 28 WTE RISER C3 LEVEL						M- M6-F- 3276	W818677	☐ Required	☐ Complete	MTE-F-0436-WMO 21916552
								LOOP								☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
FM	241-928	WTE	LOOP	3425		3425		TK 28 WTE H2 MONITOR	10/5 6	%/ma				M- M6-F- 3131	W818677	☐ Required	☐ Complete	MTE-F-2000-WMO 21916511
								LEVEL/ALARM LOOP								☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
FM	241-928	WTE	LOOP	3432		3432T1		TK 28 WTE KNUCKLE PLATE	25	deg C		14908		M- M6-F- 3131	W818677	☐ Required	☐ Complete	21243401
						B		TEMPERATURE LOOP								☐ Not Required	☒ Incomplete	
						C										☒ Undetermined	☐ Information Only	
						D												
FM	241-928	WTE	LOOP	345				TK 28 WTE HYDROGEN	10/5 6	%/ma				M- M6-F- 3075	W700655	☐ Required	☐ Complete	MTE-F-1218-WMO 21915963
								MONITOR LEVEL/ALARM LOOP								☐ Not Required	☒ Incomplete	MTE-F-1220-WMO
																☒ Undetermined	☐ Information Only	
FM	241-928	WTE	LOOP	352		352		TK 28 WTE KNUCKLE PLATE	25	degC				M- M6-F- 3075	W700655	☐ Required	☐ Complete	21915918
								TEMPERATURE LOOP								☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
FM	241-925	WTE	LOOP	7101		7101		TK 25 WTE RISER E2 REEL						M- M6-F- 3067	W827930	☐ Required	☐ Complete	21234301
								TAPE LEVEL LOOP								☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
FM	241-925	WTE	LOOP	7103		103		TK 25 WTE RISER C1	3	mr/hr				M- M6-F- 3261	W700430	☐ Required	☐ Complete	MTE-F-1063-WMO 21915104
								RADIATION MONITOR ALARM								☐ Not Required	☒ Incomplete	
								LOOP								☒ Undetermined	☐ Information Only	

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	REFERENCE DRAWINGS										Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #					
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE					
RM	241-925	WTE	LOOP	7105			105L1	TK 25 WTE RISER E2 LEVEL LOOP	1/4	IN		14355		M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3026-WMO	21234401	
RM	241-925	WTE	LOOP	7106			106	TK 25 WTE RISER A1 DIPTUBE LEVEL LOOP	1	INWC		17109		M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0016-WMO MTE-F-0014-WMO MTE-F-0470-WMO	21234601	
RM	241-925	WTE	LOOP	7107	A		107T1 107T2	TK 25 WTE WORK SLAB TEMPERATURE LOOP						M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915385	
RM	241-925	WTE	LOOP	7108	A		108T1 108T2	TK 25 WTE BASE SLAB TEMPERATURE LOOP						M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915384	
RM	241-925	WTE	LOOP	7113	A		116T1 116T2 116T3 116T4 116T5 116T6 116T7	TK 25 WTE RISER D1 TEMPERATURE LOOP	0/1-100 0/6-100 1/0-100 1/8-100 3/0-100 27/0-100 26/0-100	IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915371	
RM	241-925	WTE	LOOP	7114	A		115T1 115T2 115T3 115T4 115T5 115T6 115T7	TK 25 WTE RISER D2 TEMPERATURE LOOP	0/1-100 0/6-100 1/0-100 1/8-100 3/0-100 6/0-100 19/0-100	IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915370	
RM	241-925	WTE	LOOP	7115	A		114T1 114T2 114T3 114T4 114T5 114T6 114T7	TK 25 WTE RISER D3 TEMPERATURE LOOP	0/1-100 0/6-100 1/0-100 1/8-100 3/0-100 6/0-100 12/0-100	IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915369	
RM	241-925	WTE	LOOP	7116	A		113T1 113T2 113T3 113T4 113T5 113T6 113T7	TK 25 WTE RISER D4 TEMPERATURE LOOP	0/1-100 0/6-100 1/0-100 1/8-100 3/0-100 6/0-100 12/0-100	IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC IN/FT-degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915368	
RM	241-925	WTE	LOOP	7122			122	TK 25 WTE RISER C3 LEVEL LOOP	1	INWC				M- M6-F- 3261	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0433-WMO	21915386	
RM	241-925	WTE	LOOP	7204			105L2	TK 25 WTE RISER A2 LEVEL LOOP	1/4	IN				M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3022-WMO	21915374	
RM	241-925	WTE	LOOP	7205			105L3	TK 25 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3023-WMO	21915375	
RM	241-925	WTE	LOOP	7200			105L4	TK 25 WTE RISER A3 LEVEL LOOP	1/4	IN		14355		M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3024-WMO	21234501	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 66FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #		
RM		241-925	WTE	LOOP	7297		105L5	TK 25 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3025-WMO	21915372
RM		241-925	WTE	LOOP	7298		105L6	TK 25 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3312	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3114-WMO	21915373
RM		241-925	WTE	LOOP	7299	A B C	110T7 110T8 110T9	TK 25 WTE SIDEWALL TEMPERATURE LOOP	100	degC		14906		M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21234001
RM		241-925	WTE	LOOP	7300	A B C	111T7 111T8 111T9	TK 25 WTE SIDEWALL TEMPERATURE LOOP	100	degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915382
RM		241-925	WTE	LOOP	7303		303	TK 25 WTE HYDROGEN MONITOR LEVEL/ALARM LOOP	25/1 75 10/5 6	INWC %/ma		WMWE 14413		M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1214-WMO MTE-F-1213-WMO	21473523
RM		241-925	WTE	LOOP	7311		311PS1	TK 25 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	10/5 6	%/ma				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1215-WMO	21915381
RM		241-925	WTE	LOOP	7313		7113T	TK 25 WTE KNUCKLE PLATE TEMPERATURE LOOP	25	degC				M- M6-F- 3067	W700430	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915367
RM		241-928	WTE	LOOP	8000			TK 28 WTE H2 MONITOR SAMPLE FLOW LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916512
RM		241-928	WTE	LOOP	8001	A B C	257T7 257T8 257T9	TK 28 WTE TANK SIDEWALL TEMPERATURE LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916514
RM		241-928	WTE	LOOP	8002	A B C	258T7 258T8 258T9	TK 28 WTE TANK SIDEWALL TEMPERATURE LOOP	48-100 120-100 300-100	IN-deg C IN-deg C IN-deg C				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916515
RM		241-928	WTE	LOOP	8003		255LA2	TK 28 WTE RISER A2 LEVEL LOOP	1/4	IN		14355		M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3059-WMO	21243901
RM		241-928	WTE	LOOP	8004		255LA3	TK 28 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3061-WMO	21916555
RM		241-928	WTE	LOOP	8005		255	TK 28 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3063-WMO	21916556
RM		241-928	WTE	LOOP	8006		255LA8	TK 28 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3117-WMO	21916551
RM		241-928	WTE	LOOP	8007		255LA5	TK 28 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3058-WMO	21916557
RM		241-928	WTE	LOOP	8008			TK 28 WTE XFER GANG V HOUSE RADN MON ALARM LOOP						M- M6-F- 3131	W818677	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21916508

(FL & FM - F Tank Farm) (HA-2000) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 67FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP: Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE				
RM	241-926	WTE	LOOP		8025		155	TK 26 WTE RISER A2 LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3032-WMO	21915969
RM	241-926	WTE	LOOP		8026		155	TK 26 WTE RISER A4 LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3031-WMO	21915970
RM	241-926	WTE	LOOP		8027		155	TK 26 WTE RISER A3 LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3030-WMO	21915971
RM	241-926	WTE	LOOP		8028		155	TK 26 WTE CENTER ANNULUS LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3034-WMO	21915972
RM	241-926	WTE	LOOP		8029			TK 26 WTE LEAK DETECTION SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3115-WMO	21915973
RM	241-926	WTE	LOOP		8030		150X1	TK 26 WTE XFER GANG V HOUSE RADN MON ALARM LOOP	3	ml/hr				M- M6-F- 3299	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1092-WMO	21915975
RM	241-926	WTE	LOOP		8031		311PS2	TK 26 WTE HYDROGEN MONITOR SAMPLE FLOW LOOP	25/1 75	INWC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1219-WMO	21915964
RM	241-926	WTE	LOOP		8032	A B	151T7 151T8	TK 26 WTE TANK SIDEWALL TEMPERATURE LOOP						M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915965
RM	241-926	WTE	LOOP		8033	A B C	153T7 153T8 153T9	TK 26 WTE TANK SIDEWALL TEMPERATURE LOOP	4/0-100 10/0-100 25/0-100	FT/IN-degC FT/IN-degC FT/IN-degC				M- M6-F- 3075	W700655	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21915966
RM	241-926	WTE	LOOP		940		940PS2	TK 26 WTE ANN GANG VALVE CONTROL LOOP	65	PSIG				M- M6-F- 3134	W700667	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1374-WMO	21916618
RM	241-021	WTS	LOOP				949LE3	FDB-4 CLEANOUT PORT #22 LEVEL LOOP	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3129-WMO	
RM	241-032	WTS	LOOP					F-DB6 CLEANOUT #3 LEVEL LOOP	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3195-WMO	
RM	241-032	WTS	LOOP					F-DB6 CLEANOUT (EVAP-TK27) LEVEL LOOP	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3122-WMO	
RM	241-033	WTS	LOOP				948	CLEANOUT #9 LEVEL LOOP	1/4	IN						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3123-WMO	
RM	241-925	WTS	LOOP		2001		3484	TK 25 TRANSFER GANG VALVE CONTROL LOOP	65	PSIG				M- M6-F- 3108	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0670-WMO	
RM	241-925	WTS	LOOP		2005		3484	TK 25 TRANSFER GANG VALVE JET PRESSURE LOOP	65	PSIG				M- M6-F- 3108	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0671-WMO	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-925	WTS	LOOP	2006		A	883T	TKS 25 - 28 DROP VALVE	60	degC				M- M6-F- 3106	W702357	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
	241-926					B	884T	TEMPERATURE LOOP										
	241-927					C	886T											
	241-928					D	888T											
RM	241-927	WTS	LOOP	2011			3466PA1	TK 27 TRANSFER GANG VALVE CONTROL LOOP	65	PSIG				M- M6-F- 3108	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-928	WTS	LOOP	2016			3467PS2	TK 28 TRANSFER GANG VALVE CONTROL (LO STEAM) LOOP	65	PSIG				M- M6-F- 3109	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-928	WTS	LOOP	2020			*7310, 7318	TK 28 RISER C1 LEVEL LOOP	1	IN				M- M6-F- 3110	W814737	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-928	WTS	LOOP	2021			*7313, 7314	TK 28 SHIELDED THREE VALVE BOX LEVEL LOOP						M- M6-F- 3110	W814737	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-928	WTS	LOOP	2022			7315	TK 28 SHIELDED ONE VALVE BOX LEVEL LOOP						M- M6-F- 3110	W814737	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-944	WTS	LOOP	2023			1400WV5	TK 44 TRANSFER GANG VALVE CONTROL LOOP						M- M6-F- 3111	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-944	WTS	LOOP	2025			1400	TK 44 TRANSFER GANG VALVE JET PRESSURE LOOP	85	PSIG				M- M6-F- 3111	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-945	WTS	LOOP	2026			1401	TK 45 TRANSFER GANG VALVE CONTROL LOOP	85	PSIG				M- M6-F- 3112	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-945	WTS	LOOP	2028			1401	TK 45 TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-F- 3112	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-946	WTS	LOOP	2029			1402	TK 46 TRANSFER GANG VALVE CONTROL LOOP	85	PSIG				M- M6-F- 3113	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-946	WTS	LOOP	2031			1402	TK 46 TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-F- 3113	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-947	WTS	LOOP	2032			1403	TK 47 TRANSFER GANG VALVE CONTROL LOOP	85	PSIG				M- M6-F- 3114	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-947	WTS	LOOP	2034			1403	TK 47 TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-F- 3114	W704137	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-021	WTS	LOOP	2036			3470	PUMP PIT 2 TRANSFER GANG VALVE CONTROL LOOP	85	PSIG				M- M6-F- 3115	W700563	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
RM	241-021	WTS	LOOP	2039			3470	PUMP PIT 2 TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-F- 3115	W700563	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-021	WTS	LOOP	2040			509 3493	PUMP PITS 2 AND 3 TANK TEMPERATURE LOOP	5 90	deg C deg C				M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1212-WMO	
RM	241-021	WTS	LOOP	2041				PUMP PIT 2 TANK TRUE LEVEL LOOP						M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-021	WTS	LOOP	2042			512	PUMP PIT 2 & 3 SUMP LEVEL LOOP	10 15	INWC INWC				M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-0124-WMO MTE-F-1967-WMO MTE-F-1968-WMO	
RM	241-021	WTS	LOOP	2044			3471	PUMP PIT 3 TRANSFER GANG VALVE CONTROL LOOP	65	PSIG				M- M6-F- 3118	W700563	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1478-WMO	
RM	241-021	WTS	LOOP	2048			3471	PUMP PIT 3 TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-F- 3118	W700563	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-021	WTS	LOOP	2049				PUMP PIT 3 TANK TRUE LEVEL LOOP						M- M6-F- 3120	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-021	WTS	LOOP	2051			520X	PUMP PITS, DB-4 AREA RADIATION MONITOR LOOP	3	mr/hr				M- M6-F- 3120	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3228-WMO MTE-F-0293-WMO	
RM	241-033	WTS	LOOP	2052	A		908L	DB-5 SUMP LEAK DETECTION LEVEL LOOP	1/4	IN				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3108-WMO	
RM	241-033	WTS	LOOP	2052	B		909L	DB-5 LINER LEAK DETECTION LEVEL LOOP	1/4	IN				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3108-WMO	
RM	241-033	WTS	LOOP	2054			907	DIVERSION BOX 5 LEVEL LOOP	8 11	INWC INWC				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-1959-WMO MTE-F-0393-WMO MTE-F-0394-WMO	
RM	241-033	WTS	LOOP	2055				DIVERSION BOX 5 AREA RADIATION MONITOR LOOP	3	mr/hr				M- M6-F- 3123	W701200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3315-WMO	
RM	241-021	WTS	LOOP	2056				PUMP PITS 2 AND 3 SUMP LEVEL LOOP	1/4	IN				M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only MTE-F-3149-WMO	
RM	241-021	WTS	LOOP	2057				PUMP PITS LINER LEAK DETECTION LOOP						M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-925	WTS	LOOP	2058				WASTE CONCENTRATE CLEANOUT #19 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
RM	241-925	WTS	LOOP	2059				WASTE CONCENTRATE CLEANOUT #18 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
RM		241-926	WTS	LOOP		2060		WASTE CONCENTRATE CLEANOUT #17 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-926	WTS	LOOP		2061		WASTE CONCENTRATE CLEANOUT #16 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-033	WTS	LOOP		2062		WASTE CONCENTRATE CLEANOUT #10 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-033	WTS	LOOP		2063		WASTE CONCENTRATE CLEANOUT #11 LEVEL LOOP						M- M6-F- 3124	W700975	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-033	WTS	LOOP		2064		WASTE CONCENTRATE CLEANOUT #12 LEVEL LOOP						M- M6-F- 3124	W700999	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-927	WTS	LOOP		2065		WASTE CONCENTRATE CLEANOUT #13 LEVEL LOOP						M- M6-F- 3124	W700999	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-927	WTS	LOOP		2066		WASTE CONCENTRATE CLEANOUT #14 LEVEL LOOP						M- M6-F- 3124	W700999	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-928	WTS	LOOP		2067		WASTE CONCENTRATE CLEANOUT #15 LEVEL LOOP						M- M6-F- 3124	W700999	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-021	WTS	LOOP		2068		PUMP PIT 3 SUMP LEVEL LOOP						M- M6-F- 3120	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-021	WTS	LOOP		2069		PUMP PIT 2 TANK TRUE LEVEL LOOP						M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☒ Complete ☒ Incomplete ☐ Information Only		
RM		241-021	WTS	LOOP		2070		PUMP PIT 3 TANK TRUE LEVEL LOOP						M- M6-F- 3120	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-926	WTS	LOOP		3485	3485	TK 26 TRANSFER GANG VALVE CONTROL LOOP	65		PSIG		14357	M- M6-F- 3107	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0668-WMO	21238101
RM		241-925	WTS	LOOP		5010	"878,879"	TANK 25 DROP VALVE CONTROL LOOP	1		INWC			M- M6-F- 3106	W702357	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-926	WTS	LOOP		5011	886PS1A	TANK 26 DROP VALVE CONTROL LOOP	1		INWC			M- M6-F- 3107	W702357	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1449-WMO	
RM		241-927	WTS	LOOP		5012	881LA2	TANK 27 DROP VALVE CONTROL LOOP	1		IN			M- M6-F- 3108	W702357	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
RM		241-928	WTS	LOOP		5013	"889, 882"	TANK 28 DROP VALVE CONTROL LOOP						M- M6-F- 3110	W702357	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FC = Functional Class
OL N = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #		
FM	241	021	WTS	LOOP	5014		3480	PUMP PIT 2 TANK PUMP CONTROL LOOP	12 15 66 75 0 30	INWC INWC INWC INWC AMPS AMPS				M- M6-F- 3117	W700901	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-1961-WMO MTE-F-1962-WMO MTE-F-1964-WMO MTE-F-0012-WMO MTE-F-1963-WMO	
FM	241	021	WTS	LOOP	5015		510	PUMP PIT 3 TANK PUMP CONTROL LOOP	0 30 12 15 66 75	AMPS AMPS INWC INWC INWC INWC				M- M6-F- 3120	W700902	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3134-WMO MTE-F-3134-WMO MTE-F-1969-WMO MTE-F-1970-WMO MTE-F-1971-WMO MTE-F-1972-WMO	
FM	241	026	WTS	LOOP	8221		3485	TK 26 TRANSFER GANG VALVE JET PRESSURE LOOP	65	PSIG		14344		M- M6-F- 3107	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-0669-WMO	21238201
FM	241	027	WTS	LOOP	8222		3486PT	TK 27 TRANSFER GANG VALVE JET PRESSURE LOOP	N/A	PSIG		14357		M- M6-F- 3108	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21238301
FM	241	028	WTS	LOOP	8223		3487PT	TK 28 TRANSFER GANG VALVE JET PRESSURE (LO STM) LOOP				14357		M- M6-F- 3109	W700668	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		21244601
FM	241	065	WW	LOOP	6445			BREATHING AIR CMPSR WW TEMP CONTROL LOOP						M- M6-F- 3199	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
FM	241	065	WW	LOOP	7002			BREATHING AIR CPRSR WW DISCH TEMP SHUTDOWN LOOP						M- M6-F- 3199	W713480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only		
HA	299	000	AFM	FS				SWT CAM VACUUM FLOW	0 / 13	INWC		WMWE-14376			W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213649 80012602	
HA	299	000	BA	PSL				SWT BREATHING AIR STATION LO PRES	0 / 90	PSI		WMWE-14357			W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213538 80012495	
HA	299	000	BA	PSL				SWT BREATHING AIR STATION LO PRES	0 / 90	PSI		WMWE-14357			W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213654 80012607	
HA	299	002	BA	FS				SWT BREATH AIR TK COOL H2O SUP PRES	30 / 45	PSIG					W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213792 80012730	
HA	299	002	BA	PS				SWT BREATHING AIR RECV TK PRES	0 / 90	PSIG					W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213793 80012731	
HA	299	002	BA	LOOP	6069			BACK-UP BREATHING CPRSR CAPACITY CONTROL LOOP						M- M6-H- 8980	W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HA	299	002	BA	LOOP	6070			BACK-UP BREATHING AIR CPRSR LOW OIL PRESSURE LOOP						M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm) (HA 299) (HE - ETF) (HG - NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 72FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPL COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS							M TYPE	W or OTHER TYPE			
HA	299-002	BA	LOOP	6071	BACK-UP BREATHING AIR CPRSR HIGH OIL TEMP LOOP					M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	BA	LOOP	6072	BACK-UP BREATHING AIR CPRSR HIGH VIBRATION LOOP					M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	BA	LOOP	6073	BACK-UP BREATHING AIR CPRSR HIGH DISCH TEMP LOOP					M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	BA	LOOP	6074	BREATHING AIR RECEIVER LOW PRESSURE LOOP					M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	BA	LOOP	6075	EMERGENCY BREATHING AIR LOOP					M- M6-H- 8980	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	BA	LOOP	6076	BREATHING AIR CARBON MONOXIDE ANALYZER LOOP					M- M6-H- 8980	W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	BA	LOOP	6077	4701 BREATHING AIR LOW PRESSURE LOOP					M- M6-H- 8980	W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	BA	LOOP	6078	4702 BREATHING AIR LOW PRESSURE LOOP					M- M6-H- 8980	W702608	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	CAUS	LSH		SWT CAUSTIC TANK HI LVL	0 / 82		INWC	WMWE-14357		W702692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213675 80012626
HA	299000	CAUS	TSH		SWT CAUSTIC TANK HI TEMP	0 / 70		DEGC	WMWE-14357		W707136	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213687 80012635
HA	299-000	CAUS	LOOP	6188	CAUSTIC MAKE-UP TANK TEMPERATURE CONTROL LOOP					M- M6-H- 9058	W702692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CAUS	LOOP	7302	CAUSTIC MAKE-UP TANK LEVEL LOOP					M- M6-H- 9058	W702692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CAUS	LOOP	7303	CAUSTIC MAKE-UP TANK DRAIN CONTROL LOOP					M- M6-H- 9058	W702692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	CHW	PS		SWT CW RETURN PRES	0 / 8		PSIG			W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213685 80012633
HA	299002	CHW	R		COOLING PMP SYS LOW WATER FLOW	0 / 10		PSI				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214023
HA	299-002	CHW	LOOP	8053	2107 AIR CPRSR #5 COOLING WATER PUMPS LOW FLOW LOOP					M- M6-H- 8983	S5210162	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-299000)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 73

FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE			
HA	299-002	CHW	LOOP		6054					M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6190					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6191					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6192					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6193					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6194					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6195					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6196					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6197					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6198					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CHW	LOOP		6199					M- M6-H- 9047	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	CTW	TS								W707797	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213724 80012668
HA	299000	CTW	TS								W707798	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213725 80012669
HA	299-000	CTW	LOOP		6027					M- M6-H- 9068	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CTW	LOOP		6028					M- M6-H- 9068	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CTW	LOOP		8068					M- M6-H- 9068	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 74FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HA	299-000	CTW	LOOP	6067				COOLING WATER SYSTEM BLOWDOWN CONTROL LOOP						M- M6-H- 9068	W704670	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	CTW	LOOP	7306		2191PS2		BACK-UP AIR CPRSR CLG WTR LOW PRESS SHUTDOWN LOOP						M- M6-H- 9069	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	CTW	LOOP	7307		2191PS1		BACK-UP AIR CPRSR COOLING WTR LOW PRESS ALARM LOOP						M- M6-H- 9069	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	CTW	LOOP	7308				BACK-UP BA CPRSR LOW CLG WTR PRESS SHUTDOWN LOOP						M- M6-H- 9069	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	CTW	LOOP	7309				COMPRESSOR #1 LOW CLG WATER PRESSURE SHUTDOWN LOOP						M- M6-H- 9069	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	FLW	LIS					SWT FW TANK LO LO	0 / 20	INWC		WMWE-14357			W702609	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213531 80012489
HA	299000	FLW	LIS					SWT FLUSH H2O TANK LVL	40 / 60	INWC		WMWE-14328				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213532 80012490
HA	299000	FLW	LSH					SWT FW TANK HI HI	0 / 70	INWC		WMWE-14357			W702609	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213533 80012491
HA	299000	FLW	LSH					SWT SLAB TK HI LVL	0 / 24	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213690 80012638
HA	299000	FLW	LSL					SWT SLAB TK LO LVL	0 / 5	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213691 80012639
HA	299-000	FLW	LOOP	6457		2117		FLUSH WATER TANK HIGH-HIGH LEVEL ALARM LOOP						M- M6-H- 9229	W702609	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	FLW	LOOP	6458		2117		FLUSH WATER TANK LEVEL INDICATING LOOP						M- M6-H- 9229	W702609	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	FLW	LOOP	6459		2117		FLUSH WATER TANK LOW-LOW LEVEL ALARM LOOP						M- M6-H- 9229	W702609	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	FLW	LOOP	6460		2006		DECON CELL FLUSH WATER SUPPLY CONTROL LOOP						M- M6-H- 9229	W702250	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	FLW	LOOP	6461		2007		DECON CELL WINDOW SPRAYER FLW CONTROL LOOP						M- M6-H- 9229	W702250	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	HV	FAN					SWT DECON CELL EXH FAN 1	0 / 2	INWC					W707796	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213520 80012478

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 11/6/95
Report Run Time: 2:30:01 PM
Page 75FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W OF OTHER TYPE			
HA	299000	HV	PS					SWT REG EXH FAN #1 PRES	0 / 2.5	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213611 80012567
HA	299000	HV	PS					SWT REG EXH FAN #2 PRES	0 / 2.5	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213612 80012568
HA	299000	HV	PS					SWT TRUCKWELL EXH FAN #1 PRES	0 / 5	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213613 80012569
HA	299000	HV	PS					SWT TRUCKWELL EXH FAN #2 PRES	0 / 5	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213614 80012570
HA	299000	HV	JS					SWT FAN ON UNIT HTR 2	6 / 10	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213627 80012583
HA	299000	HV	JS					SWT FAN ON UNIT HTR 3	6 / 10	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213628 80012584
HA	299000	HV	JS					SWT FAN ON UNIT HTR 4	6 / 10	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213629 80012585
HA	299000	HV	JS					SWT FAN ON UNIT HTR 1	6 / 10	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213630 80012586
HA	299000	HV	JS					SWT DECON CELL EXH FAN 2	0 / 2	INWC						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213631 80012587
HA	299000	HV	PDI					SWT FAN FAILURE ALARM	0 / 2	IN		WMWE-14376		W704292		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213662 80012614
HA	299000	HV	PDI					QAGE SAND FLTR FL ALM OP	0 / 32	INWC		WMWE-14475				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213683
HA	299000	HV	PS					SWT TOILET EXH PRES	0 / 5	INWC		WMWE-14376		W705109		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213722 80012993
HA	299000	HV	FSL					SWT BLDG EXH AIR MON LO FLOW	0 / 10	INWC		WMWE-14376		W704292		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213739
HA	299-000	HVAC	LOOP				6080	BUILDING AHU PREHEAT TEMPERATURE CONTROL LOOP					M: M6-H-9018	W703365		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP				6081	BUILDING AHU TEMPERATURE LOW LIMIT LOOP					M: M6-H-9018	W703365		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP				6082	BUILDING AHU COOLING TEMPERATURE CONTROL LOOP					M: M6-H-9018	W703365		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 76

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
ALI = Alarm/Interlock
LOOP = Loop description

FTE/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	Bldg	SYS							M TYPE	W or OTHER TYPE			
HA	299-000	HVAC	LOOP	6083	BUILDING AHU REHEAT TEMPERATURE CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6084	OPERATING CORRIDOR TEMPERATURE CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6085	REGULATED SHOP TEMPERATURE CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6086	OFFICES TEMPERATURE CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6087	LUNCH ROOM TEMPERATURE CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6088	BUILDING AHU SUPPLY FAN LOW FLOW ALARM LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6089	BUILDING HVAC HUMIDITY CONTROL LOOP					M- M6-H-9018	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6090	CELL AHU PREHEAT TEMPERATURE CONTROL LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6091	CELL AHU SUPPLY FAN LOW LIMIT TEMPERATURE LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6092	CELL AHU COOLING TEMPERATURE CONTROL LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6093	CELL AHU REHEAT TEMPERATURE CONTROL LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6094	CELL AHU SUPPLY TEMPERATURE CONTROL LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6095	CELL SUPPLY DAMPER CONTROL LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6096	CELL SUPPLY AIR HUMIDITY LOOP					M- M6-H-9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6097	BATHROOMS EXHAUST FAN LOW FLOW LOOP					M- M6-H-9019	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6098	CRANEWAY/CELL SUPPLY AIR CONTROL LOOP					M- M6-H-9019	W703362	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 77FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W OF OTHER TYPE		ASSIGNED NO.	IDP #
HA	299-000	HVAC	LOOP	6099						M- M6-H- 9020	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6100						M- M6-H- 9020	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6101						M- M6-H- 9020	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6102						M- M6-H- 9020	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6103						M- M6-H- 9020	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6104						M- M6-H- 9021	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6105						M- M6-H- 9021	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6106						M- M6-H- 9021	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6107						M- M6-H- 9021	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6108						M- M6-H- 9021	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6109						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6110						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6111						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6112						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6113						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6114						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA 299-H) (HE ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HA	299-000	HVAC	LOOP	6115						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6116						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6117						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6118						M- M6-H- 9022	W703362	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6119						M- M6-H- 9022	W703362	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6120						M- M6-H- 9022	W703363	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6121						M- M6-H- 9022	W703363	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6122						M- M6-H- 9022	W703363	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6123						M- M6-H- 9022	W703363	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6124						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6125						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6126						M- M6-H- 9022	W703361	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6127						M- M6-H- 9023	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6128						M- M6-H- 9023	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6129						M- M6-H- 9023	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP	6130						M- M6-H- 9023	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 79FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
EC	A	BLDG	SYS	FUN	SEQ	SUB	OL N			M TYPE	W or OTHER TYPE			
HA	200-002	HVAC	LOOP		6131					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-002	HVAC	LOOP		6132					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-002	HVAC	LOOP		6133					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-002	HVAC	LOOP		6134					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-002	HVAC	LOOP		6135					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-002	HVAC	LOOP		6136					M-M6-H-9023	S5219184	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6137					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6138					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6139					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6140					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6141					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6142					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6143					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6144					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6145					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	200-000	HVAC	LOOP		6148					M-M6-H-9024	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 80FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	REFERENCE DRAWINGS	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC A BLDG SYS FUN SEQ SUB OL N DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W OF OTHER TYPE				
HA 200-000 HVAC LOOP 6147	AIR LOCK AIR MONITOR LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6148	AIR LOCK AIR MONITOR LOW FLOW LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6149	STORAGE CELL AIR MONITOR LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6150	STORAGE CELL AIR MONITOR LOW FLOW LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6151	REPAIR CELL AIR MONITOR LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6152	REPAIR CELL AIR MONITOR LOW FLOW LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6153	TRUCKWELL AIR MONITOR LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6154	TRUCKWELL AIR MONITOR LOW FLOW LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6155	CRANEWAY AIR MONITOR LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6156	CRANEWAY AIR MONITOR LOW FLOW LOOP	M: M6-H-9025 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6157	HEALTH PHYSICS HOOD EXHAUST AIR MON LOW FLOW LOOP	M: M6-H-9026 W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6158	TRUCKWELL EXHAUST AIR MONITOR LOOP	M: M6-H-9026 W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6159	TRUCKWELL EXHAUST AIR MONITOR LOW FLOW LOOP	M: M6-H-9026 W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6160	BATHROOMS EXHAUST AIR MONITOR LOOP	M: M6-H-9026 W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6161	BATHROOMS EXHAUST AIR MONITOR LOW FLOW LOOP	M: M6-H-9026 W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA 200-000 HVAC LOOP 6162	AIR MONITOR VACUUM PUMPS LOW FLOW ALARM LOOP	M: M6-H-9026 W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

Part 2 of WSRC-TR-94-040

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:39:01 PM
Page 81FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	PI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HA	299-000	HVAC	LOOP		6163					M- M6-H- 9026	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6164					M- M6-H- 9026	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6165					M- M6-H- 9026	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6166					M- M6-H- 9026	W702611	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6167					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6168					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6169					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6170					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6171					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6172					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6173					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6174					M- M6-H- 9027	W704566	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6175					M- M6-H- 9019	W703365	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	HVAC	LOOP		6189					M- M6-H- 9023	W704292	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299002	IA	PS								W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213799 80012737
HA	299002	IA	PS								W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213801 80012738

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ NUMBER-SEQ SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

2 of 3

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 42FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HA	299-000	LD	LOOP		6178			WASTE TANK UNDERLINER LDB CONDUCTIVITY LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	LD	LOOP		6179			WASTE TRANSFER LDB #2 CONDUCTIVITY LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	LD	LOOP		6182			DECON CELL UNDERLINER LEAK DETECTION LOOP						M- M6-H- 9032	W702250	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	LD	LOOP		6185		2138	WASTE TRANSFER TO 241-H LDB CONDUCTIVITY LOOP						M- M6-H- 9032	W702689	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	LS	PS					SWT STEAM HEADER PRES	0 / 20	PSI		WMWE-14357			SSK5-2-4420	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213566 80012523
HA	299000	LS	PS					SWT SELLERS JET STEAM PRES	0 / 5	PSI		WMWE-14357			SSK5-2-4420	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213567 80012524
HA	299000	LS	PS					SWT CLAYTON STEAM PRES	0 / 5	PSI		WMWE-14357			SSK5-2-4420	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213568 80012525
HA	299000	LS	PS					SWT GV JET PRES	0 / 55	PSI		WMWE-14357			W702855	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213655 80012608
HA	299000	LS	PS					SWT GV JET PRES	0 / 70	PSIG		WMWE-14357			W702855	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213656 80012609
HA	299-000	MS	LOOP		6186			MEDIUM STEAM SUPPLY HEADER LOW PRESSURE ALARM LOOP						M- M6-H- 9043	W702607	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	NAS	TSH					SWT ACID TK HI TEMP	0 / 70	DEGC		WMWE-14357			W707136	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213686 80012634
HA	299-000	NAS	LOOP		6187			NITRIC ACID MAKE-UP TANK TEMPERATURE CONTROL LOOP						M- M6-H- 9057	W702691	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	NAS	LOOP		7300			NITRIC ACID MAKE-UP TANK LEVEL LOOP						M- M6-H- 9057	W702691	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	NAS	LOOP		7301			NITRIC ACID MAKE-UP TANK DRAIN CONTROL LOOP						M- M6-H- 9057	W702691	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	NAS	LOOP		7304			SELLERS JET TO DECON CELL CONTROL LOOP						M- M6-H- 9059	W702807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-000	NAS	LOOP		7305			CLAYTON CLEANER TO DECON CELL CONTROL LOOP						M- M6-H- 9059	W702607	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HA	299	002	PA	PS							W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213789 80012727
HA	299	002	PA	PS							W704671	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213802 80012739
HA	299	002	PA	PS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214024
HA	299	002	PA	TS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214027
HA	299	002	PA	TS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214028
HA	299	002	PA	TS								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214029
HA	299	002	PA	TI								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214030
HA	299	002	PA	LOOP	6025					M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6037					M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6038					M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6039					M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6040					M- M6-H- 8961	W704671	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6041					M- M6-H- 8961	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6042					M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6043					M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299	002	PA	LOOP	6044					M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-299-001) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ NUMBER-SEQ SUB NUMBER-OLD LOOP NUMBER IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 84FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS								M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HA	299-002	PA	LOOP	6045	BACK-UP COMPRESSOR LOW OIL LEVEL LOOP						M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6046	AIR COMPRESSOR #1 HIGH VIBRATION LOOP						M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6047	AIR COMPRESSOR #1 LOW PRESSURE LOOP						M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6048	AIR COMPRESSOR #1 HIGH OIL TEMPERATURE LOOP						M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6049	AIR COMPRESSOR #1 HIGH RECEIVER TK PRESSURE LOOP						M- M6-H- 8961	W704140	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6050	BACK-UP COMPRESSOR LP DISCHARGE HIGH TEMP LOOP						M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6051	BACK-UP COMPRESSOR HP DISCHARGE HIGH TEMP LOOP						M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6052	BACK-UP COMPRESSOR INCLR HIGH CNDS LEVEL LOOP						M- M6-H- 8962	W713862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6055	AIR CPRSR #5 LOW OIL PRESSURE LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6056	AIR CPRSR #5 HIGH VIBRATION LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6057	AIR CPRSR #5 LP DISCHARGE HIGH TEMPERATURE LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6058	AIR CPRSR #5 HP DISCHARGE HIGH TEMPERATURE LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6059	AIR CPRSR #5 HIGH OIL TEMPERATURE LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6060	AIR CPRSR #5 HIGH DISCHARGE PRESSURE LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299-002	PA	LOOP	6078	AIR COMPRESSOR #5 CAPACITY CONTROL LOOP						M- M6-H- 8963	S5219182	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HA	299000	WTE	TS		SWT WCT HI TEMP	0 / 90		DEGC	WMWE-14357		W702252		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213688 80012636

(FL & FM - F Tank Farm)(HA 299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 85FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HA	200	000	WTS	LS				SWT (DCA)	0 / 60	INWC		WMWE-14368		W708193	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213678
HA	200	000	WTS	LOOP	6176			WASTE TANK TEMPERATURE LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA	200	000	WTS	LOOP	6177			WASTE COLLECTION PIT SUMP CONDUCTIVITY LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA	200	000	WTS	LOOP	6180			WASTE TANK LIQUID LEVEL LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA	200	000	WTS	LOOP	6181			WASTE TANK PIT SUMP LIQUID LEVEL LOOP						M- M6-H- 9030	W702252	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA	200	000	WTS	LOOP	6183			WASTE TRANSFER GANG VALVE CONTROL LOOP						M- M6-H- 9031	W702855	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HA	200	000	WTS	LOOP	6184			WASTE TRANSFER GANG VALVE JET PRESSURE LOOP						M- M6-H- 9031	W702855	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE							0011LS	RB inlet box level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
1																	
warn prior to overflow inlet manhole (length= 47.50')																	
HE							XS-1	RB inlet gamma								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
2																	
HE							XS-1	RB inlet gamma		CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
3																	
set @ (100 d/mv/ml = cpm) + cpm background																	
HE							XS-2	RB inlet monitor fail		N/A	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
4																	
HE							0012FS	RB pump suction flow	100	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
5																	
prevent pump cavitation																	
HE							0009XS-1	RB outfall gamma	31	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
6																	
set @ 8 d/mv/ml = 13.6 cpm + 17.4 cpm background																	
HE							0009XS-1	RB outfall gamma	34	CPM	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
7																	
set @ 10 d/mv/ml = 16.6 cpm + 17.4 cpm background																	

(FL & FM - F Tank Farm)(HA 200H)(HE ETF)(HG NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

J-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 16

FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0009XS-2	RB outfall monitor fail	N/A		I						
8																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
HE							0201XS-1	CW div box gamma		CPM	A						
9																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
set @ 100 d/mv/ml = cpm + cpm background																	
HE							0201XS-2	CW div box monitor fail	N/A		A						
10																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
HE							0206FS	HCWB weir flow	1	in	I						
11																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
weir fr inlet struct to high still well (length= 97.25')																	
HE							0155LS-1	HCWB level	9	in	A						
12																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
weir fr high still well to mod still well (length= 80.38')																	
HE							0151LS	HCWB level	8	ft	I						
13																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
set per manu reom																	
HE							0153LS	HCWB level	8	ft	I						
14																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
set per manu reom																	
HE							0155LS-2	HCWB level	4	ft	I						
15																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
prevent pump cavitation (length=212.00')																	
HE							0172TS	HCWB agit temp	260	degF	I						
16																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
set per manu reom																	
HE							0173TS	HCWB agit temp	260	degF	I						
17																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
set per manu reom																	
HE							0301LS	HCWB leak detect level	● sump lip		A						
18																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
(length=307.25')																	
HE							0213FS	MCWB weir flow	1	in	I						
19																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
weir fr high still well to mod still well (length=103.75')																	
HE							0120LS	MCWB stilling well level	2	in	I						
20																	
<div><div>☐ Required</div><div>☐ Not Required</div><div>☒ Undetermined</div></div> <div><div>☐ Complete</div><div>☒ Incomplete</div><div>☐ Information Only</div></div>																	
(length=288.75')																	

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 87

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0111LS-1	MCWB level	6	in	A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
21								weir fr high still well to mod still well (length=95.00')									
HE							0111LS-2	MCWB level	2.5	ft	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
22								prevent pump cavitation (length=234.00')									
HE							0303LS	MCWB leak detect level	@ sump lip		A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
23								(length=308.88')									
HE							0170LS-3	CWB pp pit level	2	in	A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
24								(length=240.50')									
HE							0170LS-2	CWB pp pit sump level	7	in	A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
25								(length=252.50')									
HE							0170LS-1	CWB pp pit sump level	2	in	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
26																	
HE							0167XS-1	CWB outfall gamma	53	CPM	A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
27								set @ 8 d/m/ml = 40 cpm + 13 cpm background (ILU74)									
HE							0167XS-1	CWB outfall gamma	63	CPM	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
28								set @ 10 d/m/ml = 50 cpm + 13 cpm background (ILU74)									
HE							0167XS-2	CWB outfall monitor fail	N/A		I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
29																	
HE							0251LS-5	lft sta tk level	75	in	A			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
30								warn that all interlocks have failed									
HE							0268LS-3	lft sta tk level probe	73	in	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
31								prevent overflow									
HE							0251LS-4	lft sta tk level	71	in	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
32																	
HE							0268LS-2	lft sta tk level probe	70	in	I			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
33								back up xdr pump start									

(FL & FM - F Tank Farm) (HA-200+0) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:59:01 PM
Page 88FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE								0251LS-3	lift sta tk level	66	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
34																				
HE								0251LS-6	lift sta tk level	66	in	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
35																				
alert that lag pump has needed to be started																				
HE								0251LS-2	lift sta tk level	47	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
36																				
HE								0251LS-1	lift sta tk level	19	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
37																				
normal end of xtr																				
HE								0268LS-1	lift sta tk level probe	16	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
38																				
back up xtr pump stop																				
HE								0259LS-3	lift sta pp pit level	2	in	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
39																				
HE								0259LS-2	lift sta pp pit sump level	7	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
40																				
HE								0259LS-1	lift sta pp pit sump level	2	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
41																				
HE								0252LS	lift sta tk sump level	● sump lip		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
42																				
HE								18191	gamma - lift sta pump pit	1.4	mR/hr	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
43																				
HE								18189	gamma - CWB pump pit	1.4	mR/hr	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
44																				
HE								0343PS	HCWB xtr pump 1 TS	15	PSI	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
45																				
HE								0345PS	HCWB xtr pump 2 TS	15	PSI	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
46																				
HE								0341PS	MCWB xtr pump TS	15	PSI	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
47																				
HE								0332PS	lift sta xtr pump 1 TS	15	PSI	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
48																				

(FL & FM - F Tank Farm)(HA-280H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:53:01 PM
Page 69

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0335PS	lift sta xtr pump 2 TS	15	PSI	I						
49																	
HE							0377XS-1	F-basin area trouble	N/A		A						
50																	
								un-acknowledged field alarm									
HE							ATS-1	auto xdr switch	N/A		I						
51																	
								DG capacity is limited									
HE							ATS-2	auto xdr switch	N/A		I						
52																	
								DG capacity is limited									
HE							0113EA	xtr to standby power	N/A		A						
53																	
HE							0112EA	diesel generator trouble	N/A		A						
54																	
HE							0114EA	heat trace trouble	N/A		A						
55																	
HE							0263WA	hypochlorite trouble	N/A		A						
56																	
HE							0269LS	force main leak detect	0	in	A						
57																	
								warn of force main leak -- at 1st manhole after lift station									
HE							0266LS	F ret basin line leak detect	8-13/16	in	A						
58																	
								warn of FRB to FLS leak -- at lift station									
HE							0267LS	F CW basin line leak detect	8-13/16	in	A						
59																	
								warn of FCWB to FLS leak -- at lift station									
HE							0271LS	F ret basin line leak detect	10-3 9/16	ft-in_in	A						
60																	
								warn of process sewer to FLS leak -- at lift station									
HE							387LS	Manhole 1 leak detect	20	in	A						
61																	
								warn of force main leak into MH 1 cell									

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 30FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N													REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HE							386LS	Manhole 2 leak detect	20	in	A							
62																		
warn of force main leak into MH 2 cell																		
HE							378LS	Manhole 2 force main leak detect	4- 9, 7/16	ft-in_in	A							
63																		
warn of force main leak into jacket at MH2																		
HE							0011LS	RB inlet box level	6	in								
64																		
warn prior to overfill inlet manhole (length= 47.50')																		
HE							___XS-1	RB inlet gamma		CPM								
65																		
set @ (100 d/m/ml = ___ cpm) + ___ cpm background																		
HE							___XS-2	RB inlet monitor fail		N/A								
66																		
HE							___LS-1	RB underliner sump level										
67																		
HE							___LS-2	RB underliner sump level										
68																		
HE							___LS-3	RB underliner sump level										
69																		
HE							0012FS	RB pump suction flow	100	gpm								
70																		
prevent pump cavitation																		
HE							0009XS-1	RB outfall gamma	47	CPM								
71																		
set @ 8 d/m/ml = 19.1 cpm + 27.9 cpm background (MMF58)																		
HE							0009XS-1	RB outfall gamma	52	CPM								
72																		
set @ 10 d/m/ml = 24.1 cpm + 27.9 cpm background (MMF58)																		
HE							0009XS-2	RB outfall monitor fail		N/A								
73																		
HE							0202LS	CW div box level	1	in								
74																		
weir in diversion box, CW flowing to RB (length= 57.50')																		

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

1-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 11/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE							0201XS-1	CW div box gamma		CFM						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
75								set @ (100 d/mv/ml = ... cpm) + ... cpm background										
HE							0201XS-2	CW div box monitor fail		N/A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
76																		
HE							0214LS-4	CWB screw pp suction level	@ elev of weir top							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
77								weir in diversion box, CW flowing to RB (length= 22.25")										
HE							0214LS-3	CWB screw pp suction level	46	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
78								(length= 70.00")										
HE							0214LS-2	CWB screw pp suction level	7	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
79								(length=109.00")										
HE							0214LS-1	CWB screw pp suction level	12	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
80								(length=114.00")										
HE							0220XA	CWB screw pp tube trouble		N/A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
81																		
HE							0218FS	HCWB weir flow	1	in						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
82								weir fr inlet struct to high still well (length= 62.38")										
HE							0155LS-1	HCWB level	9	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
83								weir fr high still well to mod still well (length= 50.00")										
HE							0151LS	HCWB level	6	ft	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
84								set per manuf recom										
HE							0153LS	HCWB level	6	ft	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
85								set per manuf recom										
HE							0155LS-2	HCWB level	4	ft	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
86								prevent pump cavitation (length=216.50")										
HE							0156TS	HCWB agit temp	280	degF						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
87								set per manuf recom										

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 92FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	REFERENCE DRAWINGS	Basic Requirements and Info Status	IPI COORDINATOR	IDP #
FC A BLDG SYS FUN SEQ SUB OL N DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W or OTHER TYPE			ASSIGNED NO.	
HE 88 set per manuf recom	0157TS HCWB agit temp 260 degF	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 89 (length=278.50')	0301LS HCWB leak detect level ● sump lip	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 90 weir fr high still well to mod still well (length=61.75')	0223FS MCWB weir flow 1 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 91 weir fr high still well to mod still well (length=49.00')	0121LS-2 MCWB stilling well level-Q 4 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 92 weir fr high still well to mod still well (length=50.00')	0121LS-1 MCWB stilling well level-Q 3 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 93 (length=262.25')	0122LS MCWB stilling well level 2 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 94 weir fr high still well to mod still well (length=39.00')	0111LS-1 MCWB level 6 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 95 prevent pump cavitation (length=214.25')	0111LS-2 MCWB level 2.5 ft I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 96 (length=268.00')	0303LS MCWB leak detect level ● sump lip	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 97 (length=6.50')	0182LS-3 CWB pp pit level 2 in A	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 98 (length=7.50')	0182LS-2 CWB pp pit sump level 7 in A	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 99 (length=29.00')	0182LS-1 CWB pp pit sump level 2 in I	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS FUN SEQ SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE				0181XS-1	CWB outfall gamma	44	CPM						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
100	set @ (8 d/mv/ml = 28 cpm) + 16 cpm background (WR# ILU75)													
HE				0181XS-1	CWB outfall gamma	51	CPM						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
101	set @ (10 d/mv/ml = 35 cpm) + 16 cpm background (WR# ILU75)													
HE				0181XS-2	CWB outfall monitor fail	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
102														
HE				0251LS-5	lift sta tk level	75	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
103	warn that all interlocks have failed													
HE				0268LS-3	lift sta tk level probe	73	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
104	prevent overflow													
HE				0251LS-4	lift sta tk level	71	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
105														
HE				0268LS-2	lift sta tk level probe	70	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
106	back up xtr pump start													
HE				0251LS-3	lift sta tk level	66	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
107														
HE				0251LS-6	lift sta tk level	66	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
108	alert that lag pump has needed to be started													
HE				0251LS-2	lift sta tk level	47	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
109														
HE				0251LS-1	lift sta tk level	19	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
110	normal end of xtr													
HE				0268LS-1	lift sta tk level probe	16	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
111	back up xtr pump stop													
HE				0259LS-3	lift sta pp pit level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
112														
HE				0259LS-2	lift sta pp pit sump level	7	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
113														

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0259LS-1	lift sta pp pit sump level	2	in	1					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
114																	
HE							0252LS	lift sta tk sump level	● sump lip							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
115																	
HE							18188	gamma - lift sta pump pit	1.4	mR/hr						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
116																	
HE							18188	gamma - CWB pump pit	1.4	mR/hr						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
117																	
HE							0343PS	HCWB xfr pump 1 TS	15	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
118																	
HE							0345PS	HCWB xfr pump 2 TS	15	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
119																	
HE							0367PS	MCWB xfr pump TS	15	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
120																	
HE							0332PS	lift sta xfr pump 1 TS	15	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
121																	
HE							0335PS	lift sta xfr pump 2 TS	15	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
122																	
HE							0377XS-1	H-basin area trouble	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
123																	
un-acknowledged field alarm																	
HE							ATS-1	auto xfr switch	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
124																	
DG capacity is limited																	
HE							ATS-2	auto xfr switch	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
125																	
DG capacity is limited																	
HE							0114EA	xfr to standby power	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
126																	
HE							0115EA	transformer trouble	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
127																	
HE							0113EA	diesel generator trouble	N/A							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
128																	

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N							REFERENCE DRAWINGS							Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0116EA	heat trace trouble									
129																	
HE							0263WA	hypochlorite trouble									
130																	
HE							0376LS	force main leak detect	0	in	A						
131																	
warn of force main leak -- at manhole by H-lift station																	
HE							0268LS	H ret basin line leak detect	0	in	A						
132																	
warn of HRB to HLS leak -- at lift station																	
HE							0267LS	H CW basin line leak detect	0	in	A						
133																	
warn of HCWB to HLS leak -- at lift station																	
HE							0269LS	H ret basin line leak detect	0	in	A						
134																	
warn of process sewer to HLS leak -- at lift station																	
HE							389LS	Manhole 3 leak detect	20	in	A						
135																	
warn of force main leak into MH 3 cell																	
HE							390LS	Manhole 4 leak detect	20	in	A						
136																	
warn of force main leak into MH 4 cell																	
HE							379LS	MH 4 force main leak detect	0	in	A						
137																	
warn of force main leak into jacket at MH4																	
HE							391LS	Manhole 5 leak detect	20	in	A						
138																	
warn of force main leak into MH 5 cell																	
HE							392LS	Manhole 6 leak detect	20	in	A						
139																	
warn of force main leak into MH 6 cell																	
HE							381LS	MH 6 force main leak detect	0	in	A						
140																	
warn of force main leak into jacket at MH6																	
HE							393LS	Manhole 8 leak detect	20	in	A						
141																	
warn of force main leak into MH 8 cell																	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

J-IX-G-0001

(Ref: WSRG-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 46FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	M TYPE	W or OTHER TYPE	
HE							388LS			
142										
warn of force main leak into jacket at MH8										
HE							394LS			
143										
warn of force main leak into MH 10 cell										
HE							DG LFLS	DG - fuel level	by CSWE	
144										
keep day tank full										
HE							DG OPS	DG - oil pressure	by CSWE	
145										
protect against loss of lubricant										
HE							DG OCR	DG - overcrank	by CSWE	
146										
prevent excessive attempts to start										
HE							DG OSS	DG - overspeed	by CSWE	
147										
prevent damage from overspeed										
HE							DG WTS	DG - water jacket temp	by CSWE	
148										
protect against loss of coolant										
HE							DG WJT	DG - water jacket temp	by CSWE	
149										
starter can't crank the generator if it is too cold										
HE							DG LFLS	DG - fuel level	by CSWE	
150										
keep day tank full										
HE							DG OPS	DG - oil pressure	by CSWE	
151										
protect against loss of lubricant										
HE							DG OCR	DG - overcrank	by CSWE	
152										
prevent excessive attempts to start										
HE							DG OSS	DG - overspeed	by CSWE	
153										
prevent damage from overspeed										

(FL & FM - F Tank Farm)(HA-296H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	ALDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE							DG WTS	DG - water jacket temp	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
154																			
protect against loss of coolant																			
HE							DG WJT	DG - water jacket temp	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
155																			
starter can't crank the generator if it is too cold																			
HE							DG LFLS	DG - fuel level	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
156																			
keep day tank full																			
HE							DG OPS	DG - oil pressure	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
157																			
protect against loss of lubricant																			
HE							DG OCR	DG - overcrank	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
158																			
prevent excessive attempts to start																			
HE							DG OGS	DG - overspeed	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
159																			
prevent damage from overspeed																			
HE							DG WTS	DG - water jacket temp	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
160																			
protect against loss of coolant																			
HE							DG WJT	DG - water jacket temp	by CSWE								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
161																			
starter can't crank the generator if it is too cold																			
HE							0404PS	WW Coil pump 1 TS	20	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
162																			
HE							0405PS	WW Coil pump 2 TS	20	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
163																			
HE							0406PS	hlt 1 stg 1 pump TS	20	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
164																			
HE							0407PS	hlt 1 stg 2 pump TS	40	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
165																			
HE							0408PS	hlt 1 stg 3 pump TS	40	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
166																			
HE							0409PS	hlt 2 stg 1 pump TS	20	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
167																			

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPC COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
HE							0410PS	flk 2 stg 2 pump TS	40	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
168																	
HE							0411PS	flk 2 stg 3 pump TS	40	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
169																	
HE							0412PS	flk 3 stg 1 pump TS	20	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
170																	
HE							0413PS	flk 3 stg 2 pump TS	40	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
171																	
HE							0414PS	flk 3 stg 3 pump TS	40	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
172																	
HE							0415PS	RO feed pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
173																	
HE							0416PS	RO feed pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
174																	
HE							0417PS	RO feed pump 3 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
175																	
HE							0418PS	ch soln mix tk pump TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
176																	
HE							0419PS	IX fd pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
177																	
HE							0420PS	IX fd pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
178																	
HE							0421PS	NANO3 mix pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
179																	
HE							0422PS	NANO3 mix pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
180																	
HE							0423PS	NANO3 recy pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
181																	
HE							0424PS	NANO3 recy pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
182																	
HE							0425PS	evap feed pump 1 TS	20	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
183																	

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(Ref: WSRG-TR-94-400)

Report Run Date: 1/18/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							0426PS	evap feed pump 2 TS	20	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
184																	
HE							0427PS	evap 1 recirc pump TS	25	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
185																	
HE							0428PS	evap 2 recirc pump TS	25	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
186																	
HE							0429PS	chd's tk pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
187																	
HE							0430PS	chd's tk pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
188																	
HE							0433PS	NAOH unloading pump TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
189																	
HE							0434PS	acid unloading pump TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
190																	
HE							0435PS	NAOH storage pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
191																	
HE							0436PS	NAOH storage pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
192																	
HE							0437PS	acid storage pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
193																	
HE							0438PS	acid storage pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
194																	
HE							0439PS	NAOH day pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
195																	
HE							0440PS	NAOH day pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
196																	
HE							0441PS	acid day pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
197																	
HE							0442PS	acid day pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
198																	
HE							0443PS	treated water pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
199																	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA:SYSTEM:SEQ. NUMBER:SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 100FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE							0444PS	treated water pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
200																		
HE							0445PS	treated water recy pp TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
201																		
HE							0446PS	waste conc pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
202																		
HE							0447PS	waste conc pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
203																		
HE							0448PS	process water pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
204																		
HE							0449PS	process water pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
205																		
HE							0450PS	process water pump 3 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
206																		
HE							0451PS	hi pressure water pump TS	70	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
207																		
HE							0452PS	flt conc pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
208																		
HE							0453PS	flt conc pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
209																		
HE							0454PS	org ram fd pump 1 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
210																		
HE							0455PS	org ram fd pump 2 TS	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
211																		
HE							0851XS	gamma - regul change rooms	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
212																		
HE							0851XS-1	gamma - regul change rooms	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
213																		
HE							0852XS	gamma - WW Coll tanks	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
214																		
HE							0852XS-1	gamma - WW Coll tanks	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
215																		

(FL & FM - F Tank Farm)(HA 200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESI/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE					
HE							0853XS	gamma - RO south	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
218																				
HE							0853XS-1	gamma - RO south	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
217																				
HE							0854XS	gamma - RO north	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
218																				
HE							0854XS-1	gamma - RO north	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
219																				
HE							0855XS	gamma - IX west	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
220																				
HE							0855XS-1	gamma - IX west	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
221																				
HE							0856XS	gamma - IX south	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
222																				
HE							0856XS-1	gamma - IX south	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
223																				
HE							0857XS	gamma - IX north	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
224																				
HE							0857XS-1	gamma - IX north	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
225																				
HE							0858XS	gamma - IX east	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
226																				
HE							0858XS-1	gamma - IX east	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
227																				
HE							0859XS	gamma - fill stg 1&2	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
228																				
HE							0859XS-1	gamma - fill stg 1&2	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
229																				
HE							0860XS	gamma - fill stg 3	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
230																				
HE							0860XS-1	gamma - fill stg 3	1.4	mR/hr	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
231																				

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN

CLI N	EC	A	BLDG	SYS	FUN	SEO	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
															M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HE								0861XS	gamma - evap west lower	1.4	mR/hr	A				☐ Required	☐ Complete			
232																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0861XS-1	gamma - evap west lower	1.4	mR/hr	A				☐ Required	☐ Complete			
233																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0862XS	gamma - evap east lower	1.4	mR/hr	A				☐ Required	☐ Complete			
234																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0862XS-1	gamma - evap east lower	1.4	mR/hr	A				☐ Required	☐ Complete			
235																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0863XS	gamma - waste conc tanks	1.4	mR/hr	A				☐ Required	☐ Complete			
236																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0863XS-1	gamma - waste conc tanks	1.4	mR/hr	A				☐ Required	☐ Complete			
237																☒ Not Required	☒ Incomplete	☐ Information Only		
HE								0864XS	gamma - pH adj tks 1&2	1.4	mR/hr	A				☐ Required	☐ Complete			
238																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0864XS-1	gamma - pH adj tks 1&2	1.4	mR/hr	A				☐ Required	☐ Complete			
239																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0865XS	gamma - evap east upper	1.4	mR/hr	A				☐ Required	☐ Complete			
240																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0865XS-1	gamma - evap east upper	1.4	mR/hr	A				☐ Required	☐ Complete			
241																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0866XS	gamma - evap west upper	1.4	mR/hr	A				☐ Required	☐ Complete			
242																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0866XS-1	gamma - evap west upper	1.4	mR/hr	A				☐ Required	☐ Complete			
243																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0867XS	gamma - evap td tks	1.4	mR/hr	A				☐ Required	☐ Complete			
244																☐ Not Required	☒ Incomplete	☐ Information Only		
HE								0867XS-1	gamma - evap td tks	1.4	mR/hr	A				☐ Required	☐ Complete			

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

FL & FM - F Tank Family (FL-200R) (FE-ETP) (FG-100TF) (FL & FM - F Tank Family)

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Report Run Date: 1/16/96
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN												REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HE							0869XS	gamma - RO/IX feed tanks	1.4	mR/hr	A					☐ Required	☐ Complete		
248																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0869XS-1	gamma - RO/IX feed tanks	1.4	mR/hr	A					☐ Required	☐ Complete		
249																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0870XS	gamma - regul maint shop	1.4	mR/hr	A					☐ Required	☐ Complete		
250																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0870XS-1	gamma - regul maint shop	1.4	mR/hr	A					☐ Required	☐ Complete		
251																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0871XS	gamma - org rem hg coils	1.4	mR/hr	A					☐ Required	☐ Complete		
252																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0871XS-1	gamma - org rem hg coils	1.4	mR/hr	A					☐ Required	☐ Complete		
253																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0872XS	gamma - org rem carbon coils	1.4	mR/hr	A					☐ Required	☐ Complete		
254																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0872XS-1	gamma - org rem carbon coils	1.4	mR/hr	A					☐ Required	☐ Complete		
255																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0873XS	gamma - org rem fd tk	1.4	mR/hr	A					☐ Required	☐ Complete		
256																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							0873XS-1	gamma - org rem fd tk	1.4	mR/hr	A					☐ Required	☐ Complete		
257																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
HE							CAM # 1	portable CAM # 1	1700	CPM	A					☐ Required	☐ Complete		
258																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
1400-1600 cpm above background																			
HE							CAM # 2	portable CAM # 2	1700	CPM	A					☐ Required	☐ Complete		
259																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
1400-1600 cpm above background																			
HE							CAM # 3	portable CAM # 3	1700	CPM	A					☐ Required	☐ Complete		
260																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
1400-1600 cpm above background																			
HE							CAM # 4	portable CAM # 4	1700	CPM	A					☐ Required	☐ Complete		
261																☐ Not Required	☒ Incomplete		
																☒ Undetermined	☐ Information Only		
1400-1600 cpm above background																			

(FL & FM - F Tank Farm)(HA-260H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:35:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							CAM # 5	portable CAM # 5	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
262																	
1400-1600 cpm above background																	
HE							CAM # 6	portable CAM # 6	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
263																	
1400-1600 cpm above background																	
HE							CAM # 7	portable CAM # 7	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
264																	
1400-1600 cpm above background																	
HE							CAM # 8	portable CAM # 8	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
265																	
1400-1600 cpm above background																	
HE							CAM # 9	portable CAM # 9	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
266																	
1400-1600 cpm above background																	
HE							CAM # 10	portable CAM # 10	1700	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
267																	
1400-1600 cpm above background																	
HE							0387LS	force main v'pit sump level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
268																	
warn of force main leak, at valve pit across road from HDB-8																	
HE							8063LS	waste conc v'pit sump level	8	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
269																	
alert to leak in diversion box to HDB-8/Tank-50																	
HE							0501LS-1	lab area sump level	8	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
270																	
alert to auto pump cycle																	
HE							0501LS-2	lab area sump level	8	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
271																	
HE							0503LS-1	building area sump level	1	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
272																	
alert to auto pump cycle																	
HE							0503LS-2	building area sump level	1	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
273																	
HE							0505LS-1	clean area sump level	8	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
274																	
alert to auto pump cycle																	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN		REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A BLDG SYS FUN SEQ SUB OL N DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W or OTHER TYPE					ASSIGNED NO.	IDP #
HE	0505LS-2 clean area sump level	6	in	I			
275							
HE	0551LS-1 ewap 1 area sump level	1	in	A			
276							
alert to auto pump cycle							
HE	0551LS-2 ewap 1 area sump level	1	in	I			
277							
HE	0553LS-1 ewap 2 area sump level	1	in	A			
278							
alert to auto pump cycle							
HE	0553LS-2 ewap 2 area sump level	1	in	I			
279							
HE	0615LS acid/NAOH stg dke level	2	in	A			
280							
HE	0611LS-1 acid/NAOH stg sump level	6	in	A			
281							
HE	0611LS-2 acid/NAOH stg sump level	6	in	I			
282							
HE	0724LS day tank dke level	2	in	A			
283							
HE	0701LS-1 day tank sump level	6	in	A			
284							
HE	0701LS-2 day tank sump level	6	in	I			
285							
HE	1059LS WW Coll Tk dke level	15	in	A			
286							
HE	1056LS-1 WW Coll Tk sump level	6	in	A			
287							
HE	1056LS-2 WW Coll Tk sump level	6	in	I			
288							
HE	1060LS WW Coll pp sump level	6	in	A			
289							

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basic Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HE							5007LS	IX/RQ/OR tk dke level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
290																		
HE							5003LS-1	IX/RQ/OR tk sump level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
291																		
HE							5003LS-2	IX/RQ/OR tk sump level	6	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
292																		
HE							6017LS	evap fd tk dke level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
293																		
HE							6001LS-1	evap fd tk sump level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
294																		
HE							6001LS-2	evap fd tk sump level	6	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
295																		
HE							6034LS	evap fd pp sump level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
296																		
HE							6074LS	chd's area dke level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
297																		
HE							6072LS-1	chd's area sump level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
298																		
HE							6072LS-2	chd's area sump level	6	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
299																		
HE							9101LS	Hg/carbon area dke level	2	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
300																		
HE							9102LS-1	Hg/carbon area sump level	6	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
301																		
HE							9102LS-2	Hg/carbon area sump level	6	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
302																		
HE							1005LS-2	WW Coll 1 float			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
303																		
both WW Coll Tk's are full																		
HE							1005LS-1	WW Coll 1 float			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
304																		
about to overflow																		

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/14/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A BLDG SYS RUN SEQ SUB OL N DESCRIPTION	SP	U	A/I	MAINT PROC OPS PROC M TYPE W or OTHER TYPE	ASSIGNED NO.	IDP #
HE	1001LS-1 WW Coll 1 level	80	%	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
305	need to switch to other tank						
HE	1001LS-2 WW Coll 1 level	03		A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
306	warn of impending interlock						
HE	1001LS-3 WW Coll 1 level	01		I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
307	prevent pump cavitation						
HE	1052LS-2 WW Coll 2 float			A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
308	both WW Coll TK's are full						
HE	1052LS-1 WW Coll 2 float			A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
309	about to overflow						
HE	1058LS-1 WW Coll 2 level	80	%	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
310	need to switch to other tank						
HE	1058LS-2 WW Coll 2 level	03		A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
311	warn of impending interlock						
HE	1058LS-3 WW Coll 2 level	01		I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
312	prevent pump cavitation						
HE	1001LS WW Coll avg level	5	%	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
313	deviation vs setpoint, plant isn't keeping up with influent						
HE	1010FS WW Coll exit flow			A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
314	alarm deleted						
HE	1011XS WW Coll exit gamma	17	Kcpm	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
315	set @ (1000 d/mv/ml = 15.9 Kcpm) + 875 cpm background, 2x norm						
HE	1011XS-2 WW Coll exit Cs-137	1000	CPM			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
316	set @ (1000 d/mv/ml = 4.16 Kcpm) + 24 cpm background, 7x norm						

(FL & FM F Tank Farm) (H-A 290H) (HE-ETF) (HG-NWTF) (HL & HM H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
MI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	QPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #		
HE							2001PS	basket strainer delta-P	15	PSI									
317																			
set per manu! recom, need to clean strainer																			
HE							2002XS-1	pH adj tk 1 pH	11.0	PH	A								
318																			
pH control is not within desired range																			
HE							2002XS-2	pH adj tk 1 pH	3.0	PH	A								
319																			
pH control is not within desired range																			
HE							2002XS-3	pH adj tk 1 pH	0.5	PH	A								
320																			
pH probes don't agree																			
HE							2031XS-1	pH adj tk 2 pH	9.0	PH	A								
321																			
pH control @ not 7.5 +/- 0.5																			
HE							2031XS-2	pH adj tk 2 pH	6.0	PH	A								
322																			
pH control @ not 7.5 +/- 0.5																			
HE							2031XS-3	pH adj tk 2 pH	0.5	PH	A								
323																			
pH probes don't agree																			
HE							2064LS	hlt feed tk float	98		I								
324																			
prevent overflow																			
HE							2061LS-3	hlt feed tk level	9		I								
325																			
prevent overflow																			
HE							2061LS-1	hlt feed tk level	8		A								
326																			
warn of impending interlock																			
HE							2061LS-2	hlt feed tk level	2		A								
327																			
warn of impending interlock																			
HE							2061LS-4	hlt feed tk level	1		I								
328																			
prevent pump cavitation																			

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 106FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE								3003LS-4	fil ch tk level	9		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
329																				
prevent overflow																				
HE								3003LS-1	fil ch tk level	85		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
330																				
normal part of clean/rinse cycle																				
HE								3003LS-3	fil ch tk level	1		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
331																				
normal part of clean/rinse cycle																				
HE								3003LS-2	fil ch tk level	03		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
332																				
warn that level went past normal interlock																				
HE								3018PS	fil ch tk filter delta-P	7	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
333																				
set below manu recom of 30 psi, need to change elements																				
HE								3156XS-1	fil 1 conc density									☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
334																				
HE								3157XS	fil 1 turbidity	10	NTU	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
335																				
foul OR/RO if filter leaks solids																				
HE								3256XS-1	fil 2 conc density									☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
336																				
HE								3257XS	fil 2 turbidity	10	NTU	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
337																				
foul OR/RO if filter leaks solids																				
HE								3356XS-1	fil 3 conc density									☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
338																				
HE								3357XS	fil 3 turbidity	10	NTU	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
339																				
foul OR/RO if filter leaks solids																				
HE								3014LS	fil conc tk float	4	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
340																				
prevent overflow ... (& thus S/D the WW Coll xdr pumps)																				
HE								3005LS-1	fil conc tk level	98		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
341																				
prevent overflow																				

(FL & FM - F Tank Farm) (HA 2904-I) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page: 110FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	REFERENCE DRAWINGS	Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE							3005LS-4	fil conc tk level	75		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
342																			
normal start of xtr																			
HE							3005LS-2	fil conc tk level	4		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
343																			
normal end of xtr																			
HE							3005LS-3	fil conc tk level	3		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
344																			
prevent pump cavitation & agitator damage																			
HE							3500PA-3	fil backpulse hdr pressure	95	psig	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
345																			
5 psi above controller setpoint, 5 psi below relief valve setting																			
HE							3500PA-1	fil backpulse hdr pressure	75	psig	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
346																			
5 psi below controller setpoint																			
HE							3500PA-2	fil backpulse hdr pressure	70	psig	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
347																			
could backflow if backpulse with low pressure																			
HE							9003LS	org rem feed tank float	4	in	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
348																			
prevent overflow (& thus S/D the WW Coll xtr pumps)																			
HE							9002LS-1	org rem feed tank level	90	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
349																			
warn of impending interlock																			
HE							9002LS-3	org rem feed tank level	2		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
350																			
warn of impending interlock																			
HE							9002LS-2	org rem feed tank level	15		I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
351																			
prevent pump cavitation																			
HE							3502PA-1	org rem feed pump pressure	150	PSIG	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
352																			
10 psi above controller setpoint, pumps deadhead at 150 psi																			
HE							3502PA-2	org rem feed pump pressure	90	PSIG	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
353																			
10 psi below controller setpoint																			

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/96
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HE							9400PS	org rem Hg col delta-P	50	psig	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
354								30% above normal, overfeeding or need to backwash									
HE							9201PS	org rem carb col delta-P	60	PSI	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
355								30% above normal, overfeeding or plugging									
HE							9200PS	org rem cart filter delta-P	7	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
356								set below manu reom of 30 psi, need to clean/change elements									
HE							9300LS	carbon dewater tank level			I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
357								prevent overflow									
HE							9301LS-1	carbon dewater tank level	31	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
358								start dewatering tank pump out operation									
HE							9301LS-2	carbon dewater tank level	50	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
359								prevent pump cavitation									
HE							9301LS-3	carbon dewater tank level	58	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
360																	
HE							0001FS	RO fluid cooler 1 flow	38	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
361								set to confirm existence of any flow									
HE							0001X	RO fluid cooler 1 conduct	500	umho/cm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
362								starts blowdown & corrosion inhibitor cycle on Frick tower									
HE							5000-31TS	RO fluid cooler 1 temperat	60/45	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
363								prevent the coolers's sump from freezing									
HE							0002FS	RO fluid cooler 2 flow	38	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
364								set to confirm existence of any flow									
HE							0002X	RO fluid cooler 2 conduct	500	umho/cm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
365								starts blowdown & corrosion inhibitor cycle on Frick tower									
HE							5000-33TS	RO fluid cooler 2 temperat	60/45	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
366								prevent the coolers's sump from freezing									

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date - 1/15/85
Report Run Time - 2:33:01 PM
Page 112FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
EC A BLDG SYS FUN SEQ SUB OL N												
HE 367	0003FS RO fluid cooler 3 flow	3.6	gpm	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
set to confirm existence of any flow												
HE 368	0003X RO fluid cooler 3 conduct	500	umho/cm	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
starts blowdown & corrosion inhibitor cycle on Frick tower												
HE 369	5000-35TS RO fluid cooler 3 temperat	60/45	degF	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
prevent the coolers's sump from freezing												
HE 370	3053TS-1 RO cooler exit temp	95	degF	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
hi temp may reduce RO DF, will ultimately 'cook' the membranes												
HE 371	3053TS-2 RO cooler exit temp	50	degF	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
low feed temperature increases RO feed pressure												
HE 372	4012XS-1 RO pH adj tk pH	8.5	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
pH is not 8.0 + 0.5, to minimize RO fouling												
HE 373	4012XS-2 RO pH adj tk pH	3.0	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
pH is not 6.0 + 0.5, to minimize RO fouling												
HE 374	4012XS-3 RO pH adj tk pH	0.5	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
pH probes don't agree												
HE 375	4033LS RO feed tk float	98.2	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
prevent overflow												
HE 376	4027LS-1 RO feed tk level	90	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
warn of impending interlock												
HE 377	4027LS-2 RO feed tk level	15	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
warn of impending interlock												
HE 378	4027LS-3 RO feed tk level	10	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
prevent pump cavitation												

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

1-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
EC	A BLDG SYS FUN SEQ SUB OL N DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W or OTHER TYPE					ASSIGNED NO.	IDP #
HE	4028XS RO feed conduct 16 Kumho/cm A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
379	TDS over 8000 ppm (16200 umho) reduces water recovery						
HE	4026PS-1 RO feed pump press 875 psi A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
380	150 psi > normal, excessive # of pumps online, or deadheaded						
HE	4026PS-2 RO feed pump press 550 psi A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
381	150 psi < normal, pump malfunction or inadeq # online						
HE	4071LS-1 RO cin tk level 90 % I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
382	prevent overflow						
HE	4071LS-4 RO cin tk level 80 % A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
383	warn prior to overflow						
HE	4071LS-3 RO cin tk level 2 I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
384	alert that low level shutdown of clean cycle failed						
HE	4071LS-2 RO cin tk level 5 % I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
385	prevent pump cavitation						
HE	4073TS RO cin tk temp 103 degF A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
386	10 degF below RO trn interlock, heater may have failed						
HE	4074TS-1 RO cin tk temp 82 degF A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
387	set per desired cleaning solution temperature						
HE	4074TS-2 RO cin tk temp 77 degF I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
388	set per desired cleaning solution temperature						
HE	4076PS RO cin tk filter delta-P 7 psi A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
389	set below manu recom of 30 psi, need to change elements						
HE	4101XS-1 RO 1 flow perform ratio 90 A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only			
390	train is fouling						

(FL & FM - F Tank Farm) (HA-280H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 114

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN												REFERENCE DRAWINGS			Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HE							4101XS-2	RO 1 flow perform ratio	80		A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
391								train needs to be cleaned										
HE							4124XS	RO 1 stage 1 DF			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
392								alarm deleted (WR# ILT06)										
HE							4134XS	RO 1 stage 2 DF			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
393								alarm deleted (WR# ILT06)										
HE							4179XS	RO 1 stage 3 DF			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
394								alarm deleted (WR# ILT06)										
HE							4185XS	RO 1 combined conductivity	300	umho/cm	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
395								alarm deleted (WR# IHI060)										
HE							4101FS	RO 1 feed flow	90	gpm	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
396								detect malfunction flow control device, or hi feed TDS/ouking										
HE							4112PS-2	RO 1 stg 1 feed press	950	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
397								prevent blowing RV on booster pump discharge										
HE							4112PS-1	RO 1 stg 1 feed press	700	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
398								200 psi above normal										
HE							4113TS-2	RO 1 stg 1 feed temp	113	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
399								set per manuf recom, avoid 'booking' the membranes										
HE							4113TS-1	RO 1 stg 1 feed temp	103	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
400								warn of impending interlock										
HE							4133PS-1	RO 1 stg 2 feed press	650	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
401								200 psi above normal										
HE							4133PS-2	RO 1 stg 2 feed press	350	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
402								100 psi below normal										

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	
HE							4162PS	RO 1 booster pp suct press	300	psi	A					☐ Required	☐ Complete		
403																☐ Not Required	☒ Incomplete		
100 psi below normal																☒ Undetermined	☐ Information Only		
HE							4162PS-2	RO 1 booster pp suct press	250	psi	I					☐ Required	☐ Complete		
404																☐ Not Required	☒ Incomplete		
S/D booster pump when its not needed																☒ Undetermined	☐ Information Only		
HE							4172PS	RO 1 stg 3 feed press	950	psi	A					☐ Required	☐ Complete		
405																☐ Not Required	☒ Incomplete		
50 psi below booster pump disch RV setting																☒ Undetermined	☐ Information Only		
HE							4174PS	RO 1 concentrate press	950	psi	A					☐ Required	☐ Complete		
406																☐ Not Required	☒ Incomplete		
prevent blowing RV on booster pump discharge																☒ Undetermined	☐ Information Only		
HE							4192FS	RO 1 concentrate flow	3	gpm	I					☐ Required	☐ Complete		
407																☐ Not Required	☒ Incomplete		
excessive water recovery fouls stage 3																☒ Undetermined	☐ Information Only		
HE							4121PS	RO 1 permeate press	20	psi	I					☐ Required	☐ Complete		
408																☐ Not Required	☒ Incomplete		
shouldn't have perm backpress, hurt membranes if > 1d press																☒ Undetermined	☐ Information Only		
HE							4201XS-1	RO 2 flow perform ratio	90		A					☐ Required	☐ Complete		
409																☐ Not Required	☒ Incomplete		
train is fouling																☒ Undetermined	☐ Information Only		
HE							4201XS-2	RO 2 flow perform ratio	80		A					☐ Required	☐ Complete		
410																☐ Not Required	☒ Incomplete		
train needs to be cleaned																☒ Undetermined	☐ Information Only		
HE							4224XS	RO 2 stage 1 DF			A					☐ Required	☐ Complete		
411																☐ Not Required	☒ Incomplete		
alarm deleted (WR# ILT96)																☒ Undetermined	☐ Information Only		
HE							4234XS	RO 2 stage 2 DF			A					☐ Required	☐ Complete		
412																☐ Not Required	☒ Incomplete		
alarm deleted (WR# ILT96)																☒ Undetermined	☐ Information Only		
HE							4279XS	RO 2 stage 3 DF			A					☐ Required	☐ Complete		
413																☐ Not Required	☒ Incomplete		
alarm deleted (WR# ILT96)																☒ Undetermined	☐ Information Only		
HE							4285XS	RO 2 combined conductivity	300	umho/cm	A					☐ Required	☐ Complete		
414																☐ Not Required	☒ Incomplete		
alarm deleted (WR# IHH60)																☒ Undetermined	☐ Information Only		

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basis Requirements		IPL COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
							HE 4201FS	RO 2 feed flow	90	gpm	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
415 detect malfunction flow control device, or hi feed TDS/fouling																		
							HE 4212PS-2	RO 2 stg 1 feed press	950	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
416 prevent blowing RV on booster pump discharge																		
							HE 4212PS-1	RO 2 stg 1 feed press	700	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
417 200 psi above normal																		
							HE 4213TS-2	RO 2 stg 1 feed temp	113	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
418 set per manu reom, avoid 'cooking' the membranes																		
							HE 4213TS-1	RO 2 stg 1 feed temp	103	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
419 warn of impending interlock																		
							HE 4233PS-1	RO 2 stg 2 feed press	650	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
420 200 psi above normal																		
							HE 4233PS-2	RO 2 stg 2 feed press	350	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
421 100 psi below normal																		
							HE 4262PS	RO 2 booster pp suct press	300	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
422 100 psi below normal																		
							HE 4262PS-2	RO 2 booster pp suct press	250	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
423 S/D booster pump when its not needed																		
							HE 4272PS	RO 2 stg 3 feed press	950	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
424 50 psi below booster pump disch RV setting																		
							HE 4274PS	RO 2 concentrate press	950	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
425 prevent blowing RV on booster pump discharge																		
							HE 4292FS	RO 2 concentrate flow	3	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
426 excessive water recovery fouls stage 3																		

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

FC	CL N	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE							4221PS	RO 2 permeate press	20	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
427								shouldn't have perm backpress hurt membranes if > 1d press											
HE							4301XS-1	RO 3 flow perform ratio	90		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
428								train is fouling											
HE							4301XS-2	RO 3 flow perform ratio	80		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
429								train needs to be cleaned											
HE							4324XS	RO 3 stage 1 DF	125		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
430								alarm deleted (WR# ILT96)											
HE							4334XS	RO 3 stage 2 DF	38		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
431								alarm deleted (WR# ILT96)											
HE							4379XS	RO 3 stage 3 DF	9.5		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
432								alarm deleted (WR# ILT96)											
HE							4385XS	RO 3 combined conductivity	300	umho/cm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
433								alarm deleted (WR# JHH80)											
HE							4301FS	RO 3 feed flow	90	gpm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
434								detect malfunction flow control device, or hi feed TDS/fouling											
HE							4312PS-2	RO 3 stg 1 feed press	950	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
435								prevent blowing RV on booster pump discharge											
HE							4312PS-1	RO 3 stg 1 feed press	700	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
436								200 psi above normal											
HE							4313TS-2	RO 3 stg 1 feed temp	113	degF	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
437								set per manuf recom, avoid 'cooking' the membranes											
HE							4313TS-1	RO 3 stg 1 feed temp	103	degF	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
438								warn of impending interlock											

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(Ref: WSRC-TR-94-400)

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Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #				
FC	A BLDG SYS FUN SEQ SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
HE		4333PS-1	RO 3 stg 2 feed press	650	psi	A					☐ Required	☐ Complete
439											☐ Not Required	☒ Incomplete
200 psi above normal												
HE		4333PS-2	RO 3 stg 2 feed press	350	psi	A					☐ Required	☐ Complete
440											☐ Not Required	☒ Incomplete
100 psi below normal												
HE		4362PS	RO 3 booster pp suet press	300	psi	A					☐ Required	☐ Complete
441											☐ Not Required	☒ Incomplete
100 psi below normal												
HE		4362PS-2	RO 3 booster pp suet press	250	psi	I					☐ Required	☐ Complete
442											☐ Not Required	☒ Incomplete
S/D booster pump when its not needed												
HE		4372PS	RO 3 stg 3 feed press	950	psi	A					☐ Required	☐ Complete
443											☐ Not Required	☒ Incomplete
50 psi below booster pump disch RV setting												
HE		4374PS	RO 3 concentrate press	950	psi	A					☐ Required	☐ Complete
444											☐ Not Required	☒ Incomplete
prevent blowing RV on booster pump discharge												
HE		4392FS	RO 3 concentrate flow	3	gpm	I					☐ Required	☐ Complete
445											☐ Not Required	☒ Incomplete
excessive water recovery fouls stage 3												
HE		4321PS	RO 3 permeate press	20	psi	I					☐ Required	☐ Complete
446											☐ Not Required	☒ Incomplete
shouldn't have perm backpress, hurt membranes if > 1d press												
HE		5001XS-1	IX pH adj tk pH	10.5	PH	A					☐ Required	☐ Complete
447											☐ Not Required	☒ Incomplete
set above 9.0 effluent limit to account for pH drop in Hg columns												
HE		5001XS-2	IX pH adj tk pH	6.5	PH	A					☐ Required	☐ Complete
448											☐ Not Required	☒ Incomplete
about to exceed 6.0 pH effluent limit												
HE		5001XS-3	IX pH adj tk pH	0.5	PH	A					☐ Required	☐ Complete
449											☐ Not Required	☒ Incomplete
pH probes don't agree												
HE		5013LS-1	IX 1d tk float	4	in	I					☐ Required	☐ Complete
450											☐ Not Required	☒ Incomplete
prevent overflow												
HE		5013LS-2	IX 1d tk float	4	in	A					☐ Required	☐ Complete
451											☐ Not Required	☒ Incomplete

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:23:01 PM
Page 110FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W	OTHER TYPE	ASSIGNED NO.	IDP #
HE							5012LS-1	IX fd tk level	90	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
452								warn prior to overflow										
HE							5012LS-2	IX fd tk level	10	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
453								warn prior to overflow										
HE							5012LS-3	IX fd tk level	5	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
454								prevent pump cavitation										
HE							5004PS	IX Hg col 1 delta-P	6	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
455								50% above normal, overfeeding or need to backwash										
HE							5504PS	IX Hg col 2 delta-P	6	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
456								50% above normal, overfeeding or need to backwash										
HE							5105PS	cation col 1 delta-P	22	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
457								30% above normal, overfeeding or need to backwash										
HE							5205PS	cation col 2 delta-P	22	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
458								30% above normal, overfeeding or need to backwash										
HE							5305PS	cation col 3 delta-P	22	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
459								30% above normal, overfeeding or need to backwash										
HE							5037XS-1	IX effluent pH probe 1	8.9	pH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
460								exceeding the 9.0 pH effluent limit										
HE							5037XS-2	IX effluent pH probe 1	6.5	pH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
461								exceeding the 6.0 pH effluent limit										
HE							5038XS-1	IX effluent pH probe 2	8.9	pH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
462								exceeding the 9.0 pH effluent limit										
HE							5038XS-2	IX effluent pH probe 2	6.5	pH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
463								exceeding the 6.0 pH effluent limit										

(FL & FM - F Tank Farm)(HA 290H)(HE ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB. NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 120FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN		REFERENCE DRAWINGS		Basis Requirements		IPI COORDINATOR							
EC	A BLDG SYS FUN SEQ SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE		5037-8XA	IX effluent pH	0.5	PH	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
464													
pH probes don't agree													
HE		5033PS	IX effluent filter delta-P	7	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
465													
set below manu! recom of 30 psi, need to change elements													
HE		5034HV	IX effluent destination			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
466													
alert that destination is not normal													
HE		7010LS	fire water tk float	99		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
467													
prevent overflow													
HE		7003LS-1	fire water tk (TWT#1) level	6		A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
468													
fire water tank should be near full (temp use for TWT #1)													
HE		7003LS-2	fire water tk (TWT#1) level	06		A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
469													
alert that low level shutdown of pumpout has failed													
HE		7003LS-3	fire water tk (TWT#1) level								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
470													
alarm deleted													
HE		7003LS-4	fire water tk (TWT#1) level								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
471													
alarm deleted													
HE		7011LS	treated water tk 2 float	99		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
472													
prevent overflow													
HE		7007LS-1	treated water tk 2 level	85	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
473													
need to switch to other tank													
HE		7007LS-3	treated water tk 2 level	6	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
474													
stop xdr (pump S/D by disch valve limit switches)													
HE		7007LS-2	treated water tk 2 level	3	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
475													
alert that low level shutdown of pumpout has failed													

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	ALRG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS M TYPE W or OTHER TYPE	Basic Requirements and Info Status	IPL COORDINATOR ASSIGNED NO.	IDP #
HE 476 prevent overflow							7035LS	treated water tk 3 float	99		I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 477 need to switch to other tank							7032LS-1	treated water tk 3 level	85	%	A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 478 stop xlr (pump S/D by disch valve limit switches)							7032LS-3	treated water tk 3 level	8	%	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 479 alert that low level shutdown of pumpout has failed							7032LS-2	treated water tk 3 level	3	%	A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 480 prevent boiling tank, or 'cooking' ix resin							5053TS-2	NANO3 max tk temp	180	degF	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 481 prevent boiling tank, or 'cooking' ix resin							5054TS-2	NANO3 max tk temp	180	degF	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 482 warn of impending interlock							5053TS-1	NANO3 max tk temp	180	degF	A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 483 warn of impending interlock							5054TS-1	NANO3 max tk temp	180	degF	A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 484 need high pH before allowing acid addition							5055XS-4	NANO3 max tk pH	10.5	PH	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 485 normal end of acid addition							5055XS-5	NANO3 max tk pH	8.5	PH	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 486 can't have low pH when starting caustic addition							5055XS-6	NANO3 max tk pH	8.0	PH	I				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE 487 pH probes don't agree							5055XS-2	NANO3 max tk pH	0.5	PH	A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basic Requirements		IPI COORDINATOR						
FC	A BLDG SYS FUN SEQ SUB OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE	5055-HI	NANO3 acid titrate	8.0	PH	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
488		prevent acid titrating unless pH is high										
HE	5055-LO	NANO3 NAOH titrate	6.0	PH	I					☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
489		prevent NAOH titrating unless pH is low										
HE	5058LS-1	NANO3 mix tk float	4	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
490		about to overflow										
HE	5058LS-2	NANO3 mix tk float	972		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
491												
HE	5080LS-5	NANO3 mix tk level	93.0	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
492		prior to float switch, batch makeup should have stopped										
HE	5080LS-1	NANO3 mix tk level	89.0	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
493		normal end of batch cycle										
HE	5080LS-2	NANO3 mix tk level	40.0	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
494		during acid add'n, pH should stop flow at 25-30% level										
HE	5080LS-3	NANO3 mix tk level	20.8	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
495		normal end of caustic addition										
HE	5080LS-4	NANO3 mix tk level	10.0	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
496		normal end of fresh regen & begin of next batch										
HE	5085XS	NANO3 cool wtr conduct	190	umho/cm	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
497		2x normal, leak from process side to water side of cooler										
HE	5086FS	NANO3 cool wtr outflow	10	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
498		20% of normal flow										
HE	5087FS	NANO3 mix tk pH flow	10	gpm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
499		20% of normal flow										
HE	5078LS	NANO3 recy tk float	4	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
500		about to overflow										

(FL & FM - F Tank Farm) (HA-298H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date : 1/15/95
Report Run Time : 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N													REFERENCE DRAWINGS		Basis Requirements		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	QPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE							5077LS-4	NANO3 recy tk level	93	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
501																		
regen cycle should have stopped already																		
HE							5077LS-1	NANO3 recy tk level	90	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
502																		
flow from max tank should have ended on low max tank level																		
HE							5077LS-3	NANO3 recy tk level	5	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
503																		
normal end of recycle regeneration																		
HE							5077LS-2	NANO3 recy tk level	3	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
504																		
lo level should have stopped this seq step, prevent pump cavit																		
HE							5094LS-1	IX resin dewater tk level	80	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
505																		
warn prior to overflow																		
HE							6014LS	evap fd tk 1 float	978		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
506																		
about to overflow																		
HE							6009LS-1	evap fd tk 1 level	85	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
507																		
need to switch to other tank																		
HE							6009LS-4	evap fd tk 1 level	25	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
508																		
prevent exposing agitator blades																		
HE							6009LS-3	evap fd tk 1 level	5	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
509																		
prevent pump cavitation																		
HE							6009LS-2	evap fd tk 1 level	3	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
510																		
lo level interlock failed to work																		
HE							6015LS	evap fd tk 2 float	978		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
511																		
about to overflow																		
HE							6013LS-1	evap fd tk 2 level	85	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
512																		
need to switch to other tank																		

(FL & FM - F Tank Farm)(HA-200H)(HE ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 124FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	REFERENCE DRAWINGS	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE							6013LS-4	evap fd tk 2 level	25	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
513																			
prevent exposing agitator blades																			
HE							6013LS-3	evap fd tk 2 level	5	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
514																			
prevent pump cavitation																			
HE							6013LS-2	evap fd tk 2 level	3	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
515																			
to level interlock failed to work																			
HE							6031XA-1	evap fd tks pH	7.0	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
516																			
need to add acid to evap fd tk (low pH may reduce fouling)																			
HE							6031XA-2	evap fd tks pH	6.1	PH							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
517																			
HE							6031XA-3	evap fd tks pH	6.0	PH							☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
518																			
HE							6031XA-4	evap fd tks pH	5.0	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
519																			
too acidic to feed to evaps (corrosion, acid boils overhead)																			
HE							6031XS	evap fd tks pH	0.5	PH	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
520																			
pH probes don't agree																			
HE							6024FS-1	evap 1 feed flow	25	gpm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
521																			
design feed rate, steam capacity																			
HE							6105PS	evap 1 press	60	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
522																			
2x normal pressure, 50% of press needed to blow seal loop																			
HE							6106LS	evap 1 upper float	-62%	%	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
523																			
about to overflow																			
HE							6107LS-1	evap 1 true level	40	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
524																			
high level increases entrainment																			
HE							6107LS-2	evap 1 true level	15	%	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
525																			
warn of impending interlock																			

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

FC = Functional Class
OL N = Old Loop Number
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AI = Alarm/Interlock
LOOP = Loop description

CLIN REFERENCE DRAWINGS BASE REQUIREMENTS IPI COORDINATOR IDP #
EC A BLDG SYS FUN SEQ SUB QLN DESCRIPTION SP U AI MAINT PROC QPS PROC M TYPE W or OTHER TYPE and Info Status ASSIGNED NO.

HE 6108LS ewap 1 lower float 3.5 psi 1
526
no longer a float switch, prevent pump cavitation
HE 6112WS ewap 1 circ pump amps 70 1 A
527
15% above normal, indicates hi solids
HE 6113XS-3 ewap 1 conc density 1.35 SFG A
528
warn that density meter has failed
HE 6113XS-1 ewap 1 conc density 1.23 SFG A
529
corresp to 35% solids, vs 30% normal
HE 6113XS-2 ewap 1 conc density 1.15 SFG A
530
corresp to 20% solids, vs 30% normal
HE 6117TS ewap 1 hr feed temp 220 degF A
531
warn that density meter has failed
HE 6118TS ewap 1 hr exit temp 232 degF A
532
vs 105 degC normal, indicates inadeq heating or low solids
HE 6044PS ewap 1 demister delta-P 8 inwc A
533
vs 105 degC normal, indicates hi solids
HE 6043LS ewap 1 demister float A
534
3x normal, demister pad needs flushing
HE 6024FS-2 ewap 2 feed flow 25 gpm A
535
demister not draining or ewap overflow
HE 6205PS ewap 2 press 60 inwc A
536
design feed rate, steam capacity
HE 2x normal pressure, 50% of press needed to blow seal loop
537

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS				Basis Requirements		IPI COORDINATOR	
FC	A BLDG SYS FUN SEO SUB OLN	DESCRIPTION	SP	U	A/I MAINT PROC OPS PROC	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO. IDP #
HE	6206LS	evap 2 upper float	-62%	%	I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
538		about to overflow							
HE	6207LS-1	evap 2 true level	40	%	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
539		high level increases entrainment							
HE	6207LS-2	evap 2 true level	15	%	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
540		warn of impending interlock							
HE	6208LS	evap 2 lower "float"	3.5	psi	I			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
541		no longer a float switch, prevent pump cavitation							
HE	6212WS	evap 2 circ pump amps	85	I	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
542		15% above normal, indicates hi solids							
HE	6213XS-3	evap 2 conc density	1.35	SPG	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
543		warn that density meter has failed							
HE	6213XS-1	evap 2 conc density	1.23	SPG	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
544		corresp to 35% solids, vs 30% normal							
HE	6213XS-2	evap 2 conc density	1.15	SPG	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
545		corresp to 20% solids, vs 30% normal							
HE	6213XS-4	evap 2 conc density	0.95	SPG	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
546		warn that density meter has failed							
HE	6217TS	evap 2 htr feed temp	220	degF	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
547		vs 105 degC normal, indicates inadeq heating or low solids							
HE	6216TS	evap 2 htr exit temp	232	degF	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
548		vs 105 degC normal, indicates hi solids							
HE	6042PS	evap 2 demister delta-P	8	inwc	A			☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only	
549		3x normal, demister pad needs flushing							

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N													REFERENCE DRAWINGS		Basic Requirements		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE							6041LS	evap 2 demister float			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
550								demister not draining or evap overflow										
HE							6050TS-1	ambient temp	35	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
551								need to valve on heating steam to evap condenser										
HE							6046WS	ohd's fan 1 vibration	1.0	in/SEC	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
552								mechanical malfunction of fan										
HE							6045WS	ohd's fan 2 vibration	1.0	in/SEC	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
553								mechanical malfunction of fan										
HE							6047TS	ohd's fan outlet temp	130	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
554								10 degF > normal, fans overloaded, resin may get 'cooked'										
HE							6071XS	ohd's tk inlet conduct	190	umho/cm	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
555								2x design entrainment										
HE							6062LS	ohd's tk float	4	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
556								about to overflow										
HE							6068LS-1	ohd's tk level	9		A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
557								warn prior to overflow (note xfr pump gets S/D on low level)										
HE							6068LS-3	ohd's tk level	20	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
558								prevent pump cavitation										
HE							6068LS-2	ohd's tk level	10	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
559								ohd's pumps should have S/D already on low level										
HE							6070XS	ohd's tk outlet conduct	190	umho/cm	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
560								2x design entrainment										
HE							6066HV	ohd's tk destination			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
561								alert that destination is not normal										

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #		
HE							8013LS	waste conc tk 1 float	4	in	I								
562																			
about to overflow																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8003LS-1	waste conc tk 1 level	80	%	A								
563																			
need to switch to other tank																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8003LS-3	waste conc tk 1 level	20	%	I								
564																			
prevent exposing agitator blades																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8003LS-4	waste conc tk 1 level	5	%	I								
565																			
normal end of transfer																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8003LS-2	waste conc tk 1 level	3	%	A								
566																			
to level auto stop of pumpout cycle has failed																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8060LS	waste conc tk 2 float	4	in	I								
567																			
about to overflow																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8053LS-1	waste conc tk 2 level	80	%	A								
568																			
need to switch to other tank																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8053LS-3	waste conc tk 2 level	20	%	I								
569																			
prevent exposing agitator blades																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8053LS-4	waste conc tk 2 level	5	%	I								
570																			
normal end of transfer																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							8053LS-2	waste conc tk 2 level	3	%	A								
571																			
to level auto stop of pumpout cycle has failed																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							0011FS	air comp cool water flow	38	gpm	I								
572																			
set to confirm existence of any flow																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	
HE							0011X	air comp cool water conduct	500	umho/cm	I								
573																			
starts blowdown & corrosion inhibitor cycle on cooling towers																	☐ Required	☐ Complete	
																	☐ Not Required	☒ Incomplete	
																	☒ Undetermined	☐ Information Only	

(FL & FM - F Tank Farm) (H-A-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-JX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/85
Report Run Time: 2:33:01 PM
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OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS										Basis Requirements and Info Status		IPI COORDINATOR	
FC	A BLDG SYS FUN SEQ SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #	
HE		0123PS	air comp 1 suction press	8	inwc(vac)	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
574			set per manuf reoom, need to change filter												
HE		0020SS-2	air comp 1 vibration	1.8	in /sec	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
575			set per manuf reoom												
HE		0020SS-1	air comp 1 vibration	72	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
576			set per manuf reoom												
HE		0020PSL-1	air comp 1 oil pressure	20	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
577			set per manuf reoom												
HE		0020PSL-2	air comp 1 oil pressure	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
578			set per manuf reoom												
HE		0020TSH-2	air comp 1 water temp	150	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
579			set per manuf reoom												
HE		0020TSH-1	air comp 1 water temp	140	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
580			set per manuf reoom												
HE		0020TSH-2	air comp 1 air temp	450	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
581			set below manuf reoom												
HE		0020TSH-1	air comp 1 air temp	425	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
582			set below manuf reoom												
HE		0020AP-1	air comp 1 air press - pn	115/108	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
583			set per manuf reoom												
HE		0020AP-2	air comp 1 air press - sec	111/104	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
584			set per manuf reoom												
HE		0020AP-3	air comp 1 air press - tert	111/100	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only			
585			set per manuf reoom												

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page: 130FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE							0122PS	air comp 2 suction press	6	inwc(vac)	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
586																		
set per manuform, need to change filter																		
HE							0051SS-2	air comp 2 vibration	2.0	in/sec	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
587																		
set per manuform																		
HE							0051SS-1	air comp 2 vibration	80	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
588																		
set per manuform																		
HE							0051PSL-1	air comp 2 oil pressure	20	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
589																		
set per manuform																		
HE							0051PSL-2	air comp 2 oil pressure	15	PSI	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
590																		
set per manuform																		
HE							0051TSH-2	air comp 2 water temp	150	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
591																		
set per manuform																		
HE							0051TSH-1	air comp 2 water temp	140	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
592																		
set per manuform																		
HE							0051TSH-2	air comp 2 air temp	450	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
593																		
set below manuform																		
HE							0051TSH-1	air comp 2 air temp	425	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
594																		
set below manuform																		
HE							0051AP-1	air comp 2 air press - pri	115/108	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
595																		
set per manuform																		
HE							0051AP-2	air comp 2 air press - sec	111/104	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
596																		
set per manuform																		
HE							0051AP-3	air comp 2 air press - tert	111/100	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
597																		
set per manuform																		

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN		REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR		IDP #	
FC	A BLDG SYS FUN SEQ SUB OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE
HE		0121PS air comp 3 suction press	6	inwc(vac)	A				
598									
set per manu recom, need to change filter									
HE		0081SS-2 air comp 3 vibration	18	in/sec	I				
599									
set per manu recom									
HE		0081SS-1 air comp 3 vibration	72	%	A				
600									
set per manu recom									
HE		0081PSL-1 air comp 3 oil pressure	20	psi	A				
601									
set per manu recom									
HE		0081PSL-2 air comp 3 oil pressure	15	PSI	I				
602									
set per manu recom									
HE		0081TSH-2 air comp 3 water temp	150	degF	I				
603									
set per manu recom									
HE		0081TSH-1 air comp 3 water temp	140	degF	A				
604									
set per manu recom									
HE		0081TSH-2 air comp 3 air temp	450	degF	I				
605									
set below manu recom									
HE		0081TSH-1 air comp 3 air temp	425	degF	A				
606									
set below manu recom									
HE		0081AP-1 air comp 3 air press - pri	115/108	psi	I				
607									
set per manu recom									
HE		0081AP-2 air comp 3 air press - sec	111/104	psi	I				
608									
set per manu recom									
HE		0081AP-3 air comp 3 air press - tert	111/100	psi	I				
609									
set per manu recom									

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

☐ Required ☐ Complete
☐ Not Required ☒ Incomplete
☒ Undetermined ☐ Information Only

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 132FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEO	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Required	Complete	Assigned No.	IDP #
							0127WS	air compressor fault	N/A		A					☐ Required	☐ Complete		
							610									☐ Not Required	☒ Incomplete		
un-acknowledged field alarm																			
							0140LS	air receiver level			A					☐ Required	☐ Complete		
							611									☐ Not Required	☒ Incomplete		
minimize water carryover to dryers																			
							0143PS	air filt 1 delta-P	7	psi	A					☐ Required	☐ Complete		
							612									☐ Not Required	☒ Incomplete		
set per manuf recom																			
							0141XS	air dryer 1 humidity	-20	degF	A					☐ Required	☐ Complete		
							613									☐ Not Required	☒ Incomplete		
minimize winter-time instrument freeze-ups																			
							0147PS	air filt 2 delta-P	7	psi	A					☐ Required	☐ Complete		
							614									☐ Not Required	☒ Incomplete		
set per manuf recom																			
							0142XS	air dryer 2 humidity	-20	degF	A					☐ Required	☐ Complete		
							615									☐ Not Required	☒ Incomplete		
minimize winter-time instrument freeze-ups																			
							0146TS	instrument air hdr temp	120	degF	A					☐ Required	☐ Complete		
							616									☐ Not Required	☒ Incomplete		
20 degF above normal, aftercooler operation is abnormal																			
							0144PS	instrument air hdr pressure	80	psi	A					☐ Required	☐ Complete		
							617									☐ Not Required	☒ Incomplete		
set per manuf recom																			
							0182PS	plant air hdr pressure	80	psi	A					☐ Required	☐ Complete		
							618									☐ Not Required	☒ Incomplete		
20 psi below normal																			
							0181PS	BA compressor suction press	6	inwc(vac)	A					☐ Required	☐ Complete		
							619									☐ Not Required	☒ Incomplete		
set per manuf recom, need to change filter																			
							0028VIB	BA compressor vibration	9.00	position	A/I					☐ Required	☐ Complete		
							620									☐ Not Required	☒ Incomplete		
set per manuf recom																			
							0028CHOT	BA compressor oil temp	145	degF	A/I					☐ Required	☐ Complete		
							621									☐ Not Required	☒ Incomplete		
set per manuf recom																			

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page: 133FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE								0026CLOP	BA compressor oil press	15	PSI	A/I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
622																				
set per manu reom																				
HE								0026HWT	BA compressor water temp	145	degF	A/I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
623																				
set per manu																				
HE								0026HAT	BA compressor air temp	425	degF	A/I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
624																				
set below manu reom																				
HE								0026APS	BA compressor diach press	115/108	psi	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
625																				
set per manu reom																				
HE								0171WS	BA - compressor fault	N/A		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
626																				
un-acknowledged field alarm																				
HE								0185LS	BA - receiver level			A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
627																				
minimize water carryover to dryers/purifiers																				
HE								0134LT-4	BA - fail to switch purif	N/A		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
628																				
warn of failure to switch dessicant towers per timer setting																				
HE								0130LT-3	BA - CO alarm	20	ppm CO	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
629																				
warn of malfunctioning catalytic converter (CO -> CO2)																				
HE								0112LT-2	BA - CO monitor inactive	N/A		A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
630																				
warn that CO monitor is inactive																				
HE								0174PS	BA - hdr pressure	95	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
631																				
10 psi below normal, inadeq pressure for users																				
HE								0182PS	BA - hdr pressure	95	psi	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
632																				
10 psi below normal, inadeq pressure for users																				
HE								0182FS	TP supply blower	18.000	cfm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
633																				
fan must have S/D (50% of normal)																				

(FL & FM - F Tank Farm)(HA 290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

(Ref: WSRC-TR-94-400)

Report Run Date 1/16/85
Report Run Time 2:33:01 PM
Page 134

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

<u>CLIN</u>						<u>REFERENCE DRAWINGS</u>		<u>Basis Requirements</u>	<u>IPI COORDINATOR</u>		
<u>FC</u>	<u>A BLDG SYS FUN SEQ SUB</u>	<u>OLN</u>	<u>DESCRIPTION</u>	<u>SP</u>	<u>V</u>	<u>A/I MAINT PROC.</u>	<u>OPS PROC.</u>	<u>M TYPE W or OTHER TYPE</u>	<u>and Info Status</u>	<u>ASSIGNED NO.</u>	<u>IDP #</u>

CLIN	BLDG	SYS	FUN	SEO	SUB	QLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE						0942PS-1	TP exh hepa inlet vacuum	-2.0	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
634																		
vacuum required to get design stack flow																		
HE						0942PS-3	TP exh hepa inlet vacuum	-2.0	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
635																		
vacuum required to get design stack flow																		
HE						0942PS-2	TP exh hepa inlet vacuum	-1.15	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
636																		
vacuum required to get design stack flow																		
HE						0942PS-4	TP exh hepa inlet vacuum	-1.15	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
637																		
vacuum required to get design stack flow																		
HE						0943PS	TP exh hepa delta-p	5	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
638																		
fans can't pull full flow thru fouled filters																		
HE						0943PS-2	TP exh hepa delta-P	5	inwc	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
639																		
fans can't pull full flow thru fouled filters																		
HE						0948FS	TP exh blower 1 flow	7,000	ctm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
640																		
fan must have S/D (50% of 1/3 of normal total)																		
HE						0949FS	TP exh blower 2 flow	7,000	ctm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
641																		
fan must have S/D (50% of 1/3 of normal total)																		
HE						0950FS	TP exh blower 3 flow	7,000	ctm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
642																		
fan must have S/D (50% of 1/3 of normal total)																		
HE						0819FS	TP duct flow	38,000	ctm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
643																		
10% below normal/design																		
HE						0819FS-2	TP duct flow	38,000	ctm	I						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
644																		
10% below normal/design																		
HE						0819FS-3	TP duct flow	38,000	ctm	A						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
645																		
10% below normal/design																		

(FL & FM - F Tank Farm)(HA 290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

(FL & FM - F Tank Farm)(HA 290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)
 SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

IX-G-0001

WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page: 136FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

ET/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS M TYPE W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HE						0821FS-1	TP duct flow	38,000	cfm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
646																
below normal/design																
HE						0820FS	TP isokinetic sampler A	200	lpm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
647																
isokinetic flow through chamber A																
HE						0821FS-2	TP isokinetic sampler B	200	lpm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
648																
isokinetic flow through chamber B																
HE						0826XS	large stack isokinetic CAM	500	CFM	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
649																
PA filter malfunction/breakthru																
HE						0826XS-2	large stack isokinetic CAM	100	CFM	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
650																
PA filter failure																
HE						0186FS	vessel vent hdr flow	450	scfm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
651																
% of HEPA filter capacity																
HE						0187PS-1	vessel vent hdr pressure	1.0	inwc	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
652																
excessive vacuum will open vacuum breakers																
HE						0187PS-2	vessel vent hdr pressure	0.2	inwc	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
653																
adequate vacuum on tanks to minimize out leakage																
HE						0197FS	clean area supply blower	1,100	cfm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
654																
must have S/D (50% of normal)																
HE						0986FS	lab hood supply blower	2,700	cfm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
655																
must have S/D (50% of normal)																
HE						0988FS	con bldg supply blower	1,250	cfm	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
656																
must have S/D (50% of normal)																
HE						0982PS-1	fume hood		by HP	A				☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
657																
by HP to ensure proper hood face velocity																

FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

RT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:22:01 PM
Page 136

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
							0982PS-2	fume hood	by HP		A							
							668											
set by HP to ensure proper hood face velocity																		
							0983PS-1	fume hood	by HP		A							
							669											
set by HP to ensure proper hood face velocity																		
							0983PS-2	fume hood	by HP		A							
							660											
set by HP to ensure proper hood face velocity																		
							0984PS-1	fume hood	by HP		A							
							661											
set by HP to ensure proper hood face velocity																		
							0984PS-2	fume hood	by HP		A							
							662											
set by HP to ensure proper hood face velocity																		
							0985PS-1	fume hood	by HP		A							
							663											
set by HP to ensure proper hood face velocity																		
							0985PS-2	fume hood	by HP		A							
							664											
set by HP to ensure proper hood face velocity																		
							0910PS-1	con bldg exh hepa inlet	-1.7	inwc	A							
							665											
vacuum required to get design stack flow																		
							0910PS-3	con bldg exh hepa inlet	-1.7	inwc	A							
							666											
vacuum required to get design stack flow																		
							0910PS-2	con bldg exh hepa inlet	-1.15	inwc	A							
							667											
vacuum required to get design stack flow																		
							0910PS-4	con bldg exh hepa inlet	-1.15	inwc	A							
							668											
vacuum required to get design stack flow																		
							0908PS-1	con bldg exh hepa delta-P	5	inwc	A							
							669											
fans can't pull full flow thru fouled filters																		

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 11/18/95
Report Run Time: 2:22:07 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS				Basis Requirements and Info Status				IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only	ASSIGNED NO.	IDP #
							0908PS-2	con bldg exh hepa delta-P	5	inwc	A					☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							670	fans can't pull full flow thru fouled filters															
							HE	0911FS	con bldg exh blower 2 flow	4,000	cfm	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							671																
								fan must have S/D (50% of normal)															
							HE	0912FS	con bldg exh blower 1 flow	4,000	cfm	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							672																
								fan must have S/D (50% of normal)															
							HE	0801FS-2	con bldg duct flow	6,500	cfm	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							673																
								10% below normal/design															
							HE	0801FS-3	con bldg duct flow	6,500	cfm	I				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							674																
								10% below normal/design															
							HE	0801FS-4	con bldg duct flow	6,500		A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							675																
								10% below normal/design (WR# ILT91)															
							HE	0801FS-5	con bldg duct flow	6,500	cfm	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							676																
								10% below normal/design															
							HE	0801FS-1	con bldg isokinetic sampler	200		A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							677																
								non-isokinetic flow															
							HE	0257TS-1	plant stm hdr temp	297	degF	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							678																
								5 degF above temp of 45 psi saturated stm, inadequate desuperheat															
							HE	0267TS-2	plant stm hdr temp	266	degF	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							679																
								temperature of 30 psi saturated steam															
							HE	0258PS	plant stm hdr press	45/30	psi	A				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							680																
								warn of nonroutine operation															
							HE	0207LS	stm/cond receiver level	N/A		I				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							681																
							HE	0211XS	stm/cond exit conduct	95	gph/ftcm	I				☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
							682																
								5x normal, may have leak in evap reboiler															

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HQ-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 139FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS			Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HE							0212XS	stm/cond exit gamma	440	CPM	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
683																		
set @ (8 d/m/ml = 132 cpm) + 378 cpm background																		
HE							0212XS	stm/cond exit gamma	470	CPM	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
684																		
set @ (10 d/m/ml = 172 cpm) + 378 cpm background																		
HE							0213HV	stm/cond destination			A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
685																		
alert that destination is not normal																		
HE							0220PA	desuperheater pressure	45	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
686																		
inadequate pressure to control stm hdr temperature																		
HE							0317PS	domestic water hdr press	60	PSI	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
687																		
minimum pressure to ensure adeq flow at safety showers																		
HE							0321PS	domestic water hdr press	60	PSI	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
688																		
ensure adeq flow at safety showers																		
HE							0303LS	process water tank float	4	in	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
689																		
about to overflow (may have backflow of process into tank)																		
HE							0302LS-1	process water tank level	80	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
690																		
warn prior to overflow																		
HE							0302LS-2	process water tank level	8	%	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
691																		
warn of potential pump cavitation																		
HE							0312PS-1	process water hdr press	65	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
692																		
near deadhead pressure of pumps																		
HE							0312PS-2	process water hdr press	50	psi	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
693																		
inadequate pressure to prevent/minimize backflow																		
HE							0312PS-3	process water hdr press	40	psi	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
694																		
warn that attempted startup of 2nd pump was inadequate																		

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS			Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
							0584FS-1	hi pressure water pump flow	100	gpm	A					☐ Required	☐ Complete		
							695									☐ Not Required	☒ Incomplete		
critical alarm panel																☒ Undetermined	☐ Information Only		
							0584FS-2	hi pressure water pump flow	100	gpm	I					☐ Required	☐ Complete		
							696									☐ Not Required	☒ Incomplete		
stop pump when flow is low (hoses are all shut off)																☒ Undetermined	☐ Information Only		
							4050LA-5	cleaning soln mix tk level	85	%	A					☐ Required	☐ Complete		
							697									☐ Not Required	☒ Incomplete		
batch makeup did not end when it should have																☒ Undetermined	☐ Information Only		
							4050LS-1	cleaning soln mix tk level	78	%	I					☐ Required	☐ Complete		
							698									☐ Not Required	☒ Incomplete		
normal end of batch makeup																☒ Undetermined	☐ Information Only		
							4050LS-3	cleaning soln mix tk level	69.8	%	I					☐ Required	☐ Complete		
							699									☐ Not Required	☒ Incomplete		
midpoint of caustic batch																☒ Undetermined	☐ Information Only		
							4050LS-2	cleaning soln mix tk level	25.5	%	I					☐ Required	☐ Complete		
							700									☐ Not Required	☒ Incomplete		
midpoint of nitric batch																☒ Undetermined	☐ Information Only		
							4050LS-4	cleaning soln mix tk level	5	%	I					☐ Required	☐ Complete		
							701									☐ Not Required	☒ Incomplete		
normal end of transfer																☒ Undetermined	☐ Information Only		
							4050LA-6	cleaning soln mix tk level	3	%	A					☐ Required	☐ Complete		
							702									☐ Not Required	☒ Incomplete		
transfer did not end when it should have																☒ Undetermined	☐ Information Only		
							4011LS-3	bauxite feed tk level	55	%	A					☐ Required	☐ Complete		
							703									☐ Not Required	☒ Incomplete		
batch makeup should have stopped																☒ Undetermined	☐ Information Only		
							4011LS-2	bauxite feed tk level	50	%	I					☐ Required	☐ Complete		
							704									☐ Not Required	☒ Incomplete		
normal end of batch (makes 10% soln from 20 Kg. of chemical)																☒ Undetermined	☐ Information Only		
							4011LS-1	bauxite feed tk level	10	%	A					☐ Required	☐ Complete		
							705									☐ Not Required	☒ Incomplete		
need to restock tank																☒ Undetermined	☐ Information Only		
							4056LS-1	scale inhibitor tk level	90	%	A					☐ Required	☐ Complete		
							706									☐ Not Required	☒ Incomplete		
batch makeup did not end when it should have																☒ Undetermined	☐ Information Only		

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N		REFERENCE DRAWINGS		Basic Requirements		IPI COORDINATOR			
FC	A BLDG SYS FUN SEQ SUB OLN	DESCRIPTION	SP	U	A/I MAINT PROC. OPS PROC.	M TYPE W or OTHER TYPE	and Info Status	ASSIGNED NO.	IDP #
HE	4056LS-4	scale inhibitor tk level	85	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
707		batch complete (10%- 85% uses 20 Kg. solid to make 5% soln.)							
HE	4056LS-2	scale inhibitor tk level	10	%	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
708		need to restock tank							
HE	4056LS-3	scale inhibitor tk level	5	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
709		protect pump & agitator							
HE	0617FS	acid unload pump flow	N/A		I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
710		prevent pump cavitation when truck is empty							
HE	0605LS	acid storg tk float	12	in	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
711		prevent overflow							
HE	0606LS-1	acid storg tk level	85	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
712		warn prior to overfill (91 % volume full)							
HE	0606LS-2	acid storg tk level	4		A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
713		warn to restock acid							
HE	0606LS-3	acid storg tk level	5	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
714		prevent pump cavitation							
HE	0722LS	acid day tk float	98		I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
715		about to overflow							
HE	0704LS-5	acid day tk level	93	%	A		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
716		prior to float switch, batch makeup should have stopped							
HE	0704LS-1	acid day tk level	90	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
717		normal end of batch sequence							
HE	0704LS-3	acid day tk level	42.00	%	I		☐ Required ☐ Complete ☐ Not Required ☒ Incomplete ☒ Undetermined ☐ Information Only		
718		set to make 5 wt% acid							

(FL & FM - F Tank Farm)(HA-296H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Date: 1/1/00
Report Title: 2-2201354
Page 141FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W. or OTHER TYPE	ASSIGNED NO.	IDP #	
HE							0704LS-4	acid day tk level	40	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
719								normal beginning of batch makeup										
HE							0704LS-2	acid day tk level	8	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
720								prevent pump cavitation										
HE							0710PA	acid day tk hdr press	15	PSI	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
721								inadequate pressure to supply pH adj control valves										
HE							0616FS	NAOH unload pump flow	N/A		I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
722								prevent pump cavitation when truck is empty										
HE							0652LS	NAOH storg tk float	12	in	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
723								prevent overflow										
HE							0653LS-1	NAOH storg tk level	85	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
724								warn prior to overfill (91 % volume full)										
HE							0653LS-2	NAOH storg tk level	4		A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
725								warn to restock caustic										
HE							0653LS-5	NAOH storg tk level	19	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
726								prevent burning out the heater if not immersed in liquid										
HE							0653LS-6	NAOH storg tk level	19	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
727								prevent burning out the heater if not immersed in liquid										
HE							0653LS-3	NAOH storg tk level	5	%	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
728								prevent pump cavitation										
HE							0651TS-1	NAOH storg tk temp	110	degF	A					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
729								prevent excessive corrosion from high temperature										
HE							0659TS	NAOH storg tk heater	90/85	degF	I					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
730								caustic freezes at 55 degF										

J-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:23:01 PM
Page: 142

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HE							0680TS	NAOH storg tk heater	90/85	degF	I					☐ Required	☐ Complete	
731																☐ Not Required	☒ Incomplete	
caustic freezes at 55 degF																☒ Undetermined	☐ Information Only	
HE							0651TS-2	NAOH storg tk temp	75	degF	A					☐ Required	☐ Complete	
732																☐ Not Required	☒ Incomplete	
prevent freezing the caustic at 55 degF																☒ Undetermined	☐ Information Only	
HE							0723LS	NAOH day tk float	4	in	I					☐ Required	☐ Complete	
733																☐ Not Required	☒ Incomplete	
about to overflow																☒ Undetermined	☐ Information Only	
HE							0711LS-5	NAOH day tk level	93	%	A					☐ Required	☐ Complete	
734																☐ Not Required	☒ Incomplete	
prior to float switch, batch makeup should have stopped																☒ Undetermined	☐ Information Only	
HE							0711LS-1	NAOH day tk level	90	%	I					☐ Required	☐ Complete	
735																☐ Not Required	☒ Incomplete	
normal end of batch sequence																☒ Undetermined	☐ Information Only	
HE							0711LS-3	NAOH day tk level	48		I					☐ Required	☐ Complete	
736																☐ Not Required	☒ Incomplete	
set to make 10 wt% NAOH (IWR ILU67)																☒ Undetermined	☐ Information Only	
HE							0711LS-4	NAOH day tk level	40	%	I					☐ Required	☐ Complete	
737																☐ Not Required	☒ Incomplete	
normal beginning of batch makeup																☒ Undetermined	☐ Information Only	
HE							0711LS-2	NAOH day tk level	18	%	I					☐ Required	☐ Complete	
738																☐ Not Required	☒ Incomplete	
prevent pump cavitation																☒ Undetermined	☐ Information Only	
HE							0714PA	NAOH day tk hdr press	15	PSI	A					☐ Required	☐ Complete	
739																☐ Not Required	☒ Incomplete	
inadequate pressure to supply pH adj control valves																☒ Undetermined	☐ Information Only	
HE							PLCALMS	loss of alarms from PLC	N/A		A					☐ Required	☐ Complete	
740																☐ Not Required	☒ Incomplete	
alert that FDI has quit communicating PLC alarms to the DCS																☒ Undetermined	☐ Information Only	
HE	241-084	HS	LOOP	251			251	36 PSIG STEAM PRESSURE CONTROL LOOP						M- M6-H- 9299	W811065	☐ Required	☐ Complete	
																☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
HE	241-084	HS	LOOP	252			252	36 PSIG STEAM PRESSURE CONTROL LOOP						M- M6-H- 9300	W811065	☐ Required	☐ Complete	
																☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	
HE	241-084	HS	LOOP	254			254	300 PSIG SUPPLY HEADER FLOW LOOP						M- M6-H- 9299	W811065	☐ Required	☐ Complete	
																☐ Not Required	☒ Incomplete	
																☒ Undetermined	☐ Information Only	

(FL & FM - F Tank Farm)(HA-298H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Assigned NO.	IDP #
HE	241-081	LC	LOOP		207		207	CONDENSATE RECEIVER LEVEL LOOP						M- M6-H- 9307	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		211		211	RECEIVER CONDENSATE CONDUCTIVITY LOOP						M- M6-H- 9308	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		212		212	RECEIVER CONDENSATE RADIOACTIVITY LOOP						M- M6-H- 9308	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		213		213	CONDENSATE TO WASTE WATER FLOW CONTROL LOOP						M- M6-H- 9308	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		218		218	CONDENSATE TO SEGREGATED WATER FLOW CONTROL LOOP						M- M6-H- 9308	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		220		220	CONDENSATE RECEIVER RECIRC LINE PRESSURE LOOP						M- M6-H- 9307	W811026	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		8122		8122	EVAP #1 HEATER STEAM TRAP LEVEL CONTROL LOOP						M- M6-H- 9305	W811061	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LC	LOOP		8222		8222	EVAP #2 HEATER TRAP LEVEL CONTROL LOOP						M- M6-H- 9306	W811062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-084	LS	LOOP		257		257	35 PSIG STEAM TEMPERATURE CONTROL LOOP						M- M6-H- 9299	W811065	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-084	LS	LOOP		258		258	35 PSIG STEAM SUPPLY HEADER LOW PRESSURE LOOP						M- M6-H- 9300	W811065	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LS	LOOP		8115		8115	35 PSIG STEAM TO EVAP #1 HEATER FLOW CONTROL LOOP						M- M6-H- 9305	W811061	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LS	LOOP		8120		8120	35 PSIG STEAM TO EVAP #1 HEATER FLOW LOOP						M- M6-H- 9305	W811061	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LS	LOOP		8215		8215	35 PSIG STEAM TO EVAP #2 HEATER FLOW CONTROL LOOP						M- M6-H- 9306	W811062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-081	LS	LOOP		8220		8220	35 PSIG STEAM TO EVAP #2 HEATER FLOW LOOP						M- M6-H- 9306	W811062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-084	LS	LOOP		7315			CONTROL BLDG HEATING TEMPERATURE CONTROL LOOP						M- M6-H- 9304	W811087	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only
HE	241-084	LS	LOOP		7317			CONTROL BLDG HEATING TEMPERATURE CONTROL LOOP						M- M6-H- 9302	W811086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 144FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				SEQ	SUB	OLN	DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS										M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HE	241-084	LS	LOOP	7318			CONTROL BLDG HEATING TEMPERATURE CONTROL LOOP						M-M6-H-9302	W811085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE	241-081	LS	LOOP	7319			TREATMENT BLDG HEATING TEMPERATURE CONTROL LOOP						M-M6-H-9303	W811086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HE	241-081	LS	LOOP	7320			TREATMENT BLDG HEATING TEMPERATURE CONTROL LOOP						M-M6-H-9303	W811088	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8795			HDB8 DIV. BOX & PUMP PITS PROCESS VENT HEPA AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8796			HDB8 DIV. BOX & PUMP PITS H&V HEPA HOUSING AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8797			HDB8 DB&PP CRANE CONTROL ROOM AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8798			HDB8 DB&PP PASSAGE NORTH-WEST AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8799			HDB8 DB&PP PASSAGE NORTH-CENTER AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8800			HDB8 DB&PP PASSAGE NORTH-EAST AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8801			HDB8 DB&PP PASSAGE SOUTH-WEST AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8802			HDB8 DB&PP PASSAGE SOUTH-CENTER AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8803			HDB8 DB&PP PASSAGE SOUTH-EAST AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	AFM	LOOP	8804			HDB8 DB&PP VACUUM PUMP ROOM AREA RADIATION MONITOR		mR/hr				J-J8-H-7674		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	BA	LOOP	7145			BREATHING AIR PRESSURE		PSI				M-M6-H-9279		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	BA	LOOP	7146			MAIN ENTRANCE NEXT TO STEP OFF PAD BREATHING AIR STATION		PSI				M-M6-H-9279		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	BA	LOOP	7147			DB&PP ENCLOSURE SW ENTRANCE BREATHING AIR		PSI				M-M6-H-9279		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page: 146FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	Basis Requirements and Info Status	IPL COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS							M TYPE W or OTHER TYPE			
HG	241-101	BA	LOOP	7148		PSI				M-M6-H-9279	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	BA	LOOP	7149		PSI				M-M6-H-9279	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	DW	LOOP	6636		PSI				M-M6-H-9278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	FLW	LOOP	7129		IN				M-M6-H-9263	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	FLW	LOOP	7137		PSI				M-M6-H-9263	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6214		nWC				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6215		nWC				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6225		CFM				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6239		PSIG				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6240		PSIG				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	6241		CFM				M-M6-H-9262	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	8396		%RH				M-M6-H-9259	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	8397		nWC				M-M6-H-9259, M-M6-H-9260	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	HV	LOOP	8399		nWC				M-M6-H-9259, M-M6-H-9260	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	HV	LOOP	8400		CFM				M-M6-H-9259, M-M6-H-9261	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	8406						M-M6-H-9261	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA - 200H) (HE - ETF) (HG - NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page: 146FC = Functional Class
OL N = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS								M TYPE	W or OTHER TYPE			
HG	241-100	HV	LOOP	8408	HDB8 BLDG/PITS WEST HEPA DIFF PRESSURE LOOP		nWC				M-M6-H-9259, M-M6-H-9260		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HV	LOOP	8409	HDB8 BLDG/PITS EAST HEPA DIFF PRESSURE LOOP		nWC				M-M6-H-9259, M-M6-H-9260		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	8815	NWTF INSTRUMENT MEZZANINE TEMP		deg C				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	7491	HDB8 ECR/BATT/VAC BLR/CR AIR HANDLING UNIT TEMP CONTROLLER LOOP		deg C				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	7492	HDB8 ECR/BATT/VAC BLR/CR AIR HANDLING UNIT LEPA FILTER DIFF PRESSURE LOOP		nWC				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	7494	HDB8 ECR/BATT/VAC BLR/CR AIR HANDLING UNIT AIR FLOW LOOP		CFM				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	7496	HDB8 ECR/BATT/VAC BLR/CR AIR HANDLING UNIT RETURN AIR FLOW LOOP		CFM				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	7497	HDB8 ECR/BATT/VAC BLR/CR AIR HANDLING UNIT HEATER CONTROLLER LOOP		deg C				M-M6-H-9277		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	8410	HDB8 DIV BOX & PUMP PITS FOS/CRANE CTL/STOR ROOMS HVAC SYSTEM		CFM				M-M6-H-9276		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	8411	HDB8 DIV BOX & PUMP PITS FOS/CRANE CTL/STOR ROOMS HVAC SYSTEM		%RH				M-M6-H-9276		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	HVAC	LOOP	8413	HDB8 FOS19 AC UNIT LEPA DIFF PRESSURE LOOP		nWC				M-M6-H-9276		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG		HVAC	LOOP	FOS19	FOS19 PCM CABINET & ROOM TEMP LOOP		deg F						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	IA	LOOP	7141	INSTRUMENT AIR HEADER PRESSURE		PSI				M-M6-H-9266		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	IA	LOOP	8116	HDB8 HPP 10 INSTRUMENT AIR (LPPP TRANSFER PUMP INTERLOCK)		PSI				M-M6-H-9267		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	LS	LOOP	8380	HDB8 PROCESS VENT REHEATER STEAM PRESSURE		PSI				M-M6-H-9281		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	LS	LOOP	8382	HDB8 PROCESS VENT REHEATER TEMPERATURE CONTROL LOOP		deg C				M-M6-H-9281 & M-M6-H-9283		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
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LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HG	241-101	PVV	LOOP		7050			HDB8 PROCESS VENT DUCT AIR FLOW		CFM				M-M6-H-9284		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	PVV	LOOP		8377			HDB8 PROCESS VENT CONDENSER INLET PRESSURE		inWC				M-M6-H-9282		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	PVV	LOOP		8378			HDB8 PROCESS VENT ROOM LEAK DETECTION SYSTEM		IN				M-M6-H-9282		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	PVV	LOOP		8388			HDB8 PROCESS VENT DIFFERENTIAL PRESSURE ACROSS MIST ELIMINATOR		inWC				M-M6-H-9282		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	PVV	LOOP		8390			HDB8 PROCESS VENT DIFFERENTIAL PRESSURE ACROSS HEPA FILTERS		inWC				M-M6-H-9282		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-101	PVV	LOOP		8392			HDB8 PROCESS VENT REFRIGERANT FLOW		CFM				M-M6-H-9282		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6030			HDB8 PUMP TANK 7 TRANSFER PUMP NO 1 LOWER BEARING VIB		IN/S				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6031			HDB8 PUMP TANK 7 TRANSFER PUMP NO 1 TEMPERATURE		deg C				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6032			HDB8 PUMP TANK 7 TRANSFER PUMP NO 2 LOWER BEARING VIB		IN/S				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6033			HDB8 PUMP TANK 7 TRANSFER PUMP NO 2 TEMPERATURE		deg C				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6760			HDB8 PUMP TANK 7 TEMPERATURE		deg C				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6791			HDB8 PUMP TANK 7 AGITATOR POWER		KW				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6793			HDB8 PUMP TANK 7 WASH WATER SHUTOFF VALVE		PSI				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6795			HDB8 PUMP TANK 8 TEMPERATURE		deg C				M-M6-H-9242		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6796			HDB8 PUMP TANK 8 AGITATOR POWER		KW				M-M6-H-9242		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6798			HDB8 PUMP TANK 8 WASH WATER SHUTOFF VALVE		PSI				M-M6-H-9242		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA 2000) (HLC - H Tank Farm) (HLC & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ NUMBER-SEQ SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
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Page 146FC = Functional Class
OLN = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HG	241-100	WTS	LOOP		6810			HDB8 PUMP TANK 9 TEMPERATURE		deg C				M-M6-H-9241		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6811			HDB8 PUMP TANK 9 AGITATOR POWER		KW				M-M6-H-9241		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6830			HDB8 PUMP PIT 7 SUMP COND PROBE		IN				M-M6-H-9246		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6832			HDB8 PUMP PIT 7 SUMP LEVEL		IN				M-M6-H-9246		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6834			HDB8 PUMP PIT 7 UNDERLINER SUMP COND PROBE		IN				M-M6-H-9246		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6835			HDB8 PUMP PIT 7 BLDG/PIT DIFFERENTIAL PRESSURE		mWC				M-M6-H-9246		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6855			HDB8 LEAK DETECTION BOX #5 CONDUCTIVITY PROBE		IN				M-M6-H-9251		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6856			HDB8 LEAK DETECTION BOX #4 CONDUCTIVITY PROBE		IN				M-M6-H-9251		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6857			HDB8 LEAK DETECTION BOX #10 CONDUCTIVITY PROBE		IN				M-M6-H-9251		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6858			HDB8 LEAK DETECTION BOX # 2 CONDUCTIVITY PROBE		IN				M-M6-H-9251		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6859			HDB8 LEAK DETECTION BOX # 1 CONDUCTIVITY PROBE		IN				M-M6-H-9251		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6876			LEAK DETECTION BOX # 6 CONDUCTIVITY PROBE		IN				M-M6-H-9252		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6878			LEAK DETECTION BOX # 7 CONDUCTIVITY PROBE		IN				M-M6-H-9252		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6890			HDB8 PUMP PIT 8 SUMP COND PROBE		IN				M-M6-H-9247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6892			HDB8 PUMP PIT 8 SUMP LEVEL		IN				M-M6-H-9247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6894			HDB8 PUMP PIT 8 UNDERLINER SUMP COND PROBE		IN				M-M6-H-9247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
PC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HG	241-100	WTS	LOOP		6895			HDB8 PUMP PIT 8 BLDG/PIT DIFFERENTIAL PRESSURE		nWC				M-M6-H-9247		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6910			HDB8 PUMP PIT 9 SUMP LEVEL COND PROBE		IN				M-M6-H-9248		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6912			HDB8 PUMP PIT 9 SUMP LEVEL		IN				M-M6-H-9248		☒ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6914			HDB8 PUMP PIT 9 UNDERLINER SUMP COND PROBE		IN				M-M6-H-9248		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6915			HDB8 PUMP PIT 9 BLDG/PIT DIFFERENTIAL PRESSURE		nWC				M-M6-H-9248		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6930			HDB8 PUMP PIT 10 COND PROBE		IN				M-M6-H-9249		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6932			HDB8 PUMP PIT 10 SUMP LEVEL		IN				M-M6-H-9249		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6934			HDB8 PUMP PIT 10 SUMP UNDERLINER COND PROBE		IN				M-M6-H-9249		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6935			HDB8 PUMP PIT 10 BLDG/PIT DIFFERENTIAL PRESSURE		nWC				M-M6-H-9249		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6938			HDB8 PUMP TANK 7 PIT/TANK DIFFERENTIAL PRESSURE		nWC				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6946			HDB8 PUMP TANK 7 LEVEL		IN				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6949			HDB8 PUMP TANK 7 LEVEL		IN				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6951			HDB8 PUMP TANK 7 TRANSFER PUMP POWER		KW				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6953			HDB8 PUMP TANK 7 WASH WATER SHUTOFF VALVE		PSI				M-M6-H-9239		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6954			HDB8 PUMP TANK 7 PUREX SLUDGE SHUTOFF VALVE		PSI				M-M6-H-9239		☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP		6958			HDB8 PUMP TANK 7 WASH WATER/PUREX SLUDGE SHUTOFF VALVE		PSI				M-M6-H-9239		☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

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(Ref: WSRC-TR-94-400)

Report Run Date: 11/16/95
Report Run Time: 2:39:01 PM
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OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N												REFERENCE DRAWINGS		Basis Requirements and Info Status		IPL COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HG	241-100	WTS	LOOP	6959				HDB8 PUMP TANK 7 DENSITY & LEVEL (TO F-AREA)		IN				M-M6-H-9239	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6966				HDB8 PUMP TANK 8 LEVEL		IN				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6969				HDB8 PUMP TANK 8 LEVEL		IN				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6971				HDB8 PUMP TANK 8 TRANSFER PUMP POWER		KW				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6973				HDB8 PUMP TANK 8 TRANSFER PUMP LOWER BEARING VIBRATION		IN/S				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6974				HDB8 PUMP TANK 8 TRANSFER PUMP TEMPERATURE		deg C				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6975				HDB8 PUMP TANK 8 PIT/TANK DIFFERENTIAL PRESSURE		nWC				M-M6-H-9243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6986				HDB8 PUMP TANK 9 LEVEL		IN				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6989				HDB8 PUMP TANK 9 LEVEL		IN				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6991				HDB8 PUMP TANK 9 TRANSFER PUMP POWER		KW				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6992				HDB8 PUMP TANK 9 HIGH HEAT WASTE SHUTOFF VALVE		PSI				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6994				HDB8 PUMP TANK 9 TRANSFER PUMP LOWER BEARING VIBRATION		IN/S				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6995				HDB8 PUMP TANK 9 TRANSFER PUMP TEMPERATURE		deg C				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	6996				HDB8 PUMP TANK 9 PIT/TANK DIFFERENTIAL PRESSURE		nWC				M-M6-H-9244	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7010				HDB8 LEAK DETECTION BOX #8 CONDUCTIVITY PROBE		IN				M-M6-H-9253	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7011				HDB8 LEAK DETECTION BOX #8 CONDUCTIVITY PROBE		IN				M-M6-H-9253	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/11/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HG	241-100	WTS	LOOP	7012				HDB8 LEAK DETECTION BOX #12 CONDUCTIVITY PROBE		IN				M-M6-H-9253	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7013				HDB8 LEAK DETECTION BOX #13 CONDUCTIVITY PROBE		IN				M-M6-H-9253	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7014				HDB8 LEAK DETECTION BOX #3 CONDUCTIVITY PROBE		IN				M-M6-H-9253	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7485				PIPE ENCASEMENT SUMP CONDUCTIVITY PROBE		IN				M-M6-H-9254	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7986				HDB8 PIT SERVICES AIR SUPPLY TO #1 GANG VALVE PRESSURE		PSI				M-M6-H-9257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7987				HDB8 PIT #150 PSI PROCESS STEAM TO #1 GANG VALVE PRESSURE		PSI				M-M6-H-9257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	7988				HDB8 PIT SERVICE AIR/STEAM SUPPLY TO #1 GANG VALVE PRESS		PSI				M-M6-H-9257	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8075				HDB8 LEAK DETECTION BOX #11 CONDUCTIVITY PROBE		IN				M-M6-H-9251	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8106				HDB8 PUMP TANK 10 LEVEL		IN				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8109				HDB8 PUMP TANK 10 LEVEL		IN				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8111				HDB8 PUMP TANK 10 TRANSFER PUMP POWER		KW				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8113				HDB8 PUMP TANK 10 TRANSFER PUMP LOWER BEARING VIBRATION		IN/S				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8114				HDB8 PUMP TANK 10 TRANSFER PUMP TEMPERATURE		deg C				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8115				HDB8 PUMP TANK 10 PIT/TANK DIFFERENTIAL PRESSURE		mWC				M-M6-H-9245	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8130				HDB8 DIV BOX SUMP CONDUCTIVITY PROBE		IN				M-M6-H-9250	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8132				HDB8 DIV BOX SUMP LEVEL		IN				M-M6-H-9250	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-290H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page: 152FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HG	241-100	WTS	LOOP	8134						M-M6-H-9250		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8135						M-M6-H-9250		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8625						M-M6-H-9240		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HG	241-100	WTS	LOOP	8626						M-M6-H-9240		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241930	AFM	FS							WMWE-14305	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211994 80011302
HL	241932	AFM	FS							WMWE-14305	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212148 80011436
HL	242001	AFM	FS							WMWE-14305	M-M6-H-1642 S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212902 80012106
HL	242018	AFM	FSH							M-M6-H-1642 S5-2-19678		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213459 80012455
HL	241-013	AFM	LOOP	3442			3442			M-M6-H-8826	W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-014	AFM	LOOP	3542						M-M6-H-8819	W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241017	BA	PS									☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214066
HL	241017	BA	PI									☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214117
HL	241-017	BA	LOOP	6602						M-M6-H-8822	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941078
HL	241-017	BA	LOOP	6603						M-M6-H-8822	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941079
HL	241017	BA	PS	6603			B			WMWE-14357	M-M6-H-8822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211177 80010589
HL	241-017	BA	LOOP	6604						M-M6-H-8822	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941080

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241	914	BA	LOOP	6608			TK 14 BREATHING AIR STATION PRESSURE LOOP						M- M6-H- 8923	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26361701
HL	241	914	BA	PSL	6606			SWT BREATHING AIR STATION LOW PRES	0 / 90	PSIG		WMWE-14357		M- M6-H- 8923	S5-2-7829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26361701 80010914
HL	241	935	BA	LOOP	6607			TK 35 BREATHING AIR STATION PRESSURE LOOP						M- M6-H- 8923	W705178	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26372001
HL	241	936	BA	LOOP	6608			TK 36 BREATHING AIR STATION PRESSURE LOOP						M- M6-H- 8923	W705178	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300373
HL	241	936	BA	PSL	6608			SWT BREATHING AIR STATION LOW PRES	0 / 90	PSIG				M- M6-H- 8923	W700880 W705178	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300373 80011559
HL	241	937	BA	LOOP	6609			TK 37 BREATHING AIR STATION PRESSURE LOOP						M- M6-H- 8923	W705178	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26377701
HL	241	017	BA	LOOP	6610			BA CPRSR 1 CONTROLLER PRESSURE LOOP						M- M6-H- 8922	W713861	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941081
HL	241	017	BA	LOOP	6611			BREATHING AIR CPRSR 1 OIL PUMP PRESSURE LOOP						M- M6-H- 8922	W713861	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941077
HL	241	017	BA	LOOP	6612			BREATHING AIR CPRSR 1 TEMPERATURE LOOP						M- M6-H- 8922	W713861	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300773
HL	241	017	BA	LOOP	6613			BA CPRSR 2 AIR L P OUT TEMPERATURE LOOP						M- M6-H- 8922	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941082
HL	241	017	BA	LOOP	6614			BA CPRSR 2 AIR H P OUT TEMPERATURE LOOP						M- M6-H- 8922	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941083
HL	241	017	BA	LOOP	6615			BA CPRSR 2 AIR H P IN TEMPERATURE LOOP						M- M6-H- 8922	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941084
HL	241	017	BA	LOOP	6616			BA CPRSR 2 HIGH OIL TEMPERATURE LOOP						M- M6-H- 8922	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941085
HL	241	923	BA	LOOP	6617			TK 23, 24 BA STATION LOW PRESSURE LOOP						M- M6-H- 8754	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941028
HL	241	929	BA	LOOP	6618			TK 26 BREATHING AIR STATION LOW PRESSURE LOOP						M- M6-H- 8754	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26368801
HL	241	932	BA	LOOP	6619			TK 32 BREATHING AIR STATION LOW PRESSURE LOOP						M- M6-H- 8754	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26370101

(FL & FM - F Tank Farm) (HA-2900) (H-1 F) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241-035	BA	LOOP		6620			PUMP PITS 1-4 BA STATION LOW PRESSURE LOOP						M- M6-H- 8754	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941076
HL	241-910	BA	LOOP		6621			*TK 10, 12 BREATHING AIR STATION LOW PRESSURE LOOP						M- M6-H- 8754	S527829	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941075
HL	241-924	BW	LOOP		4855			TK 24 BEARING WATER TANK LOW LEVEL ALARM LOOP						M- M6-H- 8735	MM6H7743	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940687
HL	241-924	BW	LOOP		4856		4856	BEARING WATER TANK HIGH HIGH LEVEL ALARM LOOP						M- M6-H- 8735	MM6H7743	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940688
HL	241-924	BW	LOOP		4857		4857	BEARING WATER TANK HIGH LEVEL CONTROL LOOP						M- M6-H- 8735	MM6H7743	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940689
HL	241-924	BW	LOOP		4859		4859	BEARING WATER TANK LOW LOW LEVEL ALARM LOOP						M- M6-H- 8735	MM6H7743	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940690
HL	241924	BW	LSLL		4859		Y324-4859-S	BEARING WATER TANK LOW LOW LEVEL SWITCH	0 / 10		INWC			M- M6-H- 8735		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211887 80011222
HL	241-909	BW	LOOP		5143		4907	TK 8 BEARING WATER TANK LEVEL CONTROL LOOP						M- M6-H- 8940	W714207	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944014
HL	241-916	BW	LOOP		5150		7398	TK 16 BEARING WATER TANK LEVEL CONTROL LOOP						M- M6-H- 8943	W727992	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944008
HL	241-909	BW	LOOP		6402		4908	TK 9 BEARING WATER TANK LOW-LOW LEVEL ALARM LOOP						M- M6-H- 8940	W714207	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944097
HL	241-922	BW	LOOP		6411		7233	TK 22/21 RISER N BW SUPPLY LOW PRESSURE ALARM LOOP						M- M6-H- 8939	MM6H7738	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944006
HL	241-922	BW	LOOP		6412		7255	TK 22/21 TRANSFER PUMP BW LOW PRESS ALARM LOOP						M- M6-H- 8939	MM6H7738	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26364101
HL	241-922	BW	LOOP		6413		7242	TK 22/21 RISER SW BW SUPPLY LOW PRESS ALARM LOOP						M- M6-H- 8939	MM6H7739	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944004
HL	241-922	BW	LOOP		6414		7222	TK 22/21 RISER SE BW SUPPLY LOW PRESS ALARM LOOP						M- M6-H- 8939	MM6H7739	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944005
HL	241922	BW	PSL		6414		Y322-7222P	TK 22 RISER SE BW SUPPLY LOW PRESSURE SWITCH	0 / 20		PSQ			M- M6-H- 8939	W716518	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211843 80011187
HL	241-916	BW	LOOP		6417		7398	TK 16 BEARING WATER TK LOW-LOW LEVEL ALARM LOOP						M- M6-H- 8943	W727992	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944009

(FL & FM - F Tank Farm) (HA-290H-I) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241-915	BW	LOOP		6421			TK 15 RISER 7 BW SUPPLY LOW FLOW ALARM LOOP						M- M6-H- 8944	W727989	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944007
HL	241-915	BW	LOOP		6422			TK 15 RISER 7 BW SUPPLY PRESS LOW INTERLOCK LOOP						M- M6-H- 8944	W727989	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944478
HL	241915	BW	PSL		6422			TK 15 RISER 7 BW SUPPLY LOW PRESSURE SWITCH	1.96 / 2.04	PSI		WMWE-14357		M- M6-H- 8944	W727989	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211639 80011007
HL	241-921	BW	LOOP		6448		7232	TK 21 RISER N BW LOW PRESSURE ALARM LOOP						M- M6-H- 8938	MM6H7735	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944481
HL	241-921	BW	LOOP		6447		7255	TK 21 RISER S BW LOW PRESSURE ALARM LOOP						M- M6-H- 8938	MM6H7737	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944482
HL	241-921	BW	LOOP		6448		7242	TK 21 RISER SW BW LOW PRESSURE ALARM LOOP						M- M6-H- 8938	MM6H7736	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944483
HL	241-921	BW	LOOP		6449		7222	TK 21 RISER SE BW LOW PRESSURE ALARM LOOP						M- M6-H- 8938	MM6H7736	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26944484
HL	241013	CHW	PS					SWT CW LO PRES	0 / 20	PSIG		WMWE-14357			W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210640 80010169
HL	241014	CHW	PS					SWT CW INLET HI PRES	0 / 100	PSI		WMWE-14357			W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210675 80010200
HL	241014	CHW	PS					SWT CW INLET LO PRES	0 / 20	PSI		WMWE-14357			W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210676 80010201
HL	241129	CHW	TS					SWT CW TEMP COMP #1	0 / 140	DEG F		WMWE-14364			SS-2-19817	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211090 80010505
HL	241013	CRW	LS					SWT SURGE TANK LO LVL	0 / 15	INWC					W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210644 80010173
HL	241013	CRW	LS					SWT SURGE TANK HI LVL	0 / 56	INWC					W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210645 80010174
HL	241013	CRW	LSHM					SWT SURGE TANK HI HI LVL	0 / 64	INWC		WMWE-14368			W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210648 80010175
HL	241013	CRW						SWT DP INDICATOR PROCESSOR LOOP X675-PS	4.8 / 5.2	PSI		WMWE-SP-4165				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	28300822
HL	241014	CRW	LSL					SWT SURGE TANK LO LVL	0 / 7.2	PSI		WMWE-14357			W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210670 80010197

(FL & FM - F Tank Farm) (HA 2900-H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:11 PM
Page 156FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BIDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241014	CRW	LSH					SWT SURGE TANK HI LVL EAST WALL	0 / 11 04	PSI		WMWE-14357			W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210671 80010198
HL	241-013	CRW	LOOP	3439		3439		WEST PUMPHOUSE CRW SURGE TANK LEVEL IND/ALARM LOOP						M- M6-H- 8826	W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26354901
HL	241-013	CRW	LOOP	3444		3444		WEST PUMPHOUSE CRW LOW PRESSURE ALARM LOOP						M- M6-H- 8826	W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26355101
HL	241-013	CRW	LOOP	3446				CTW/CRW LOW DIFFERENTIAL PRESSURE ALARM LOOP						M- M6-H- 8826	W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26355301
HL	241-014	CRW	LOOP	3529				EAST PUMPHOUSE SURGE TANK LEVEL INDICATION LOOP						M- M6-H- 8819	W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-014	CRW	LOOP	3535				EAST PUMPHOUSE CRW SUPPLY PRESSURE LOW ALARM LOOP						M- M6-H- 8819	W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-014	CRW	LOOP	3550				EAST PUMPHOUSE CRW/WW DP IND/ALARM LOOP						M- M6-H- 8819	W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-016	CRW	LOOP	5142				TK 18 CRW HEATER TEMPERATURE CONTROL LOOP						M- M6-H- 8839	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	CRW	LOOP	6406		268		TK 35 CRW THERMOSTAT CONTROLLED SOL VALVE LOOP						M- M6-H- 8827	W448622	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241013	CTW	PS					SWT CT H2O LO PRES	0 / 25	PSIG		WMWE-14357			W700232	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210639 80010168
HL	285-010	CTW	LOOP	10275											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	285-010	CTW	LOOP	10285											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	285-010	CTW	LOOP	10286											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	285-010	CTW	LOOP	10291											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	285-010	CTW	LOOP	10297											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	285-010	CTW	LOOP	10298											W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HL	285-010	CTW	LOOP	10300							W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	285-010	CTW	LOOP	10301							W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-025	CTW	LOOP	10457							W833917	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-025	CTW	LOOP	10458							W833917	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-025	CTW	LOOP	10459							W833917	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-025	CTW	LOOP	10461							W833917	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-011	CTW	LOOP	10606							W833911	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-013	CTW	LOOP	2000						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940407	
HL	241-013	CTW	LOOP	2003						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940408	
HL	241-013	CTW	LOOP	2004						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940410	
HL	241-013	CTW	LOOP	2007						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940411	
HL	241-013	CTW	LOOP	2010						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940412	
HL	241-013	CTW	LOOP	2012						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940413	
HL	241-013	CTW	LOOP	2013						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940549	
HL	241-013	CTW	LOOP	2016						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940553	
HL	241-013	CTW	LOOP	2018						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940555	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/1/85
Report Run Time: 2:31:01 PM
Page 154FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N													REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241-013	CTW	LOOP		2022			CLG TOWER PUMP #3 DISCH HEAT TRACE TEMP LOOP						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940554
HL	241-013	CTW	LOOP		2023			CLG TOWER PUMP #4 DISCH HEAT TRACE TEMP LOOP						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940556
HL	241-013	CTW	LOOP		2025			CTW BROMINATOR TANK INLET HEAT TRACE TEMP LOOP						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940557
HL	241-013	CTW	LOOP		2039			CTW CORROSION INHIBITOR OUTLET TEMPERATURE LOOP						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940558
HL	241-013	CTW	LOOP		5149			CTW PUMPS RECIRC CONDUCTIVITY LOOP						M- M6-H- 8857	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940559
HL	241-013	CTW	LOOP		8800			COOLING TOWER #1 FAN VIBRATION LOOP						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940405
HL	241-013	CTW	LOOP		6601			COOLING TOWER #2 FAN VIBRATION LOOP						M- M6-H- 8856	W700686	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940406
HL	241013	FLW						SWT FLUSH WATER PRES LO LOOP 9711 -PSL	0 / 80	PSIG		WMWE-17013			S5-2-14307 S5-2-14469	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26322101
HL	242000	FLW	PSLL					SWT FW PMP DISCH LO LO	0 / 90	PSIG		WMWE-17141		M- M6- H- 1516		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212886 80012018
HL	242001	FLW	PSL					SWT FW PUMP DISCH LO	0 / 95	PSIG		WMWE-17141		M- M6- H- 1516		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213084 80012193
HL	242001	FLW	PSL					SWT FW PUMP DISCH LO	0 / 95	PSIG		WMWE-17141		M- M6- H- 1516		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80012193
HL	242-011	FLW	LOOP		10150										W833907	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-011	FLW	LOOP		10153										W833907	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-011	FLW	LOOP		10179										W833908	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-011	FLW	LOOP		10186										W833908	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-011	FLW	LOOP		10197										W833908	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-298H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
		HL	242-011	FLW	LOOP		10198								W833908				
		HL	242-011	FLW	LOOP		10200								W833908				
		HL	242-000	FLW	LOOP		2008	FLUSH WATER PUMP STATION FLOW CONTROL LOOP						M- M6-H- 8760	MMGH1516			26320701	
		HL	242-000	FLW	LOOP		5140	FLUSH WATER PUMP STATION LVL CONTROL LOOP						M- M6-H- 8760	MMGH1516			26325701	
		HL	242001	FLW	LSH		5140	FLUSH WATER HOLD TANK LEVEL SWITCH HIGH	0 / 60	INWC		WMWE-17007		M- M6-H- 8760	S5-2-19608			26213091 80012190	
		HL	242001	FLW	LSLL		5140	SWT FW TK LO LO LVL	0 / 35	INWC		WMWE-17007		M- M6- H- 1516	S5-2-19608			26213073 80012173	
		HL	242001	FLW	LSL		5140	SWT FW TK LO LVL	0 / 14	INWC		WMWE-17007		M- M6- H- 1516	S5-2-19608			26213074 80012174	
		HL	242-001	FLW	LOOP		5152	CTS LOOP LINE FLUSH WATER FV CONTROL LOOP						M- M6-H- 8867	MMGH0218			26942975	
		HL	242-001	FLW	LOOP		5153	CTS 501 LINE FLUSH WATER FV CONTROL LOOP						M- M6-H- 8867	MMGH0218			26942976	
		HL	241-930	FLW	LOOP		5154	TK 30 RISER C2 DRAW-OFF VALVE SPRAYER LOOP						M- M6-H- 8868	MMGH1594			26942983	
		HL	241-932	FLW	LOOP		6805	TK 32 RISER B8 FLW TO CRC OVERHEAD LOOP						M- M6-H- 8868	W714262			26326601	
		HL	241-913	FLW	LOOP		6806	TK 13 RISER 1 DRAW-OFF VALVE FLW CONTROL LOOP						M- M6-H- 8869	S5214307			26320134	
		HL	241-913	FLW	LOOP		6807	TK 13 RISER 1 DRAW-OFF VALVE LEAK DETECTION LOOP						M- M6-H- 8869	S5214307			26320135	
		HL	242-000	FLW	LOOP		6808	FLUSH WATER PUMP STATION PRESSURE CONTROL LOOP						M- M6-H- 8760	MMGH1516			26325801	
		HL	241-014	FLW	LOOP		6809	BATCH FLUSH WATER TANK LEVEL LOOP						M- M6-H- 8980	S525977			26353201	
		HL	241909	HV	PI			GAGE ANN INLET PRES HI LO	5 / 2 5	INWC		WMWE-14475			W704200			26211097 80010512	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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L-IX-G-0001
(Ref: WSRC-TR-94-400)

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Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIENT											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		
HL	241909	HV	PS					SWT PURGE FILTER HI DP	0 / 2	INWC		WMWE-14376		W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211099 80010514
HL	241909	HV	PS					SWT ANN INLET PRES HI	0 / 2.5	INWC		WMWE-14328		W704200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211111 80010523
HL	241909	HV	PS					SWT ANN INLET PRES LO	0 / .5	INWC		WMWE-14328		W704200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211112 80010524
HL	241910	HV	PS					SWT PURGE HEPA HI DP	0 / 2	INWC				W710085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211185 80010597
HL	241910	HV	PS					SWT TANK TO ANNULUS HI LOW PRES	5 / 2.5	INWC		WMWE-14328		W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211186 80010606
HL	241911	HV	PS					SWT PURGE HEPA HI DP	0 / 5.2	INWC		WMWE-14376		W705476	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211249 80010656
HL	241911	HV	TC					CNTRLR TANK PURGE REHEATER TEMP	0 / 100	DEGC		WMWE-14349		W705476	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211256 80010661
HL	241911	HV	PSH					SWT ANN INLET PRES HI	0 / 2.5	INWC		W705478		W705476	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213835 80012771
HL	241912	HV	PS					SWT HI LO ANNULUS INLET FAN EXH	5 / 2.5	INWC		WMWE-14475		W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211323 80010725
HL	241912	HV	PS					SWT PURGE HEPA DP	0 / 2	INWC		WMWE-14376		W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211327 80010728
HL	241913	HV	PS					SWT PURGE HEPA DP	0 / 2	INWC		WMWE-14376		W704201	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211405 80010799
HL	241913	HV	PS					SWT H2 ANYER LO FLOW PRES	25 / 1.75	INWC		WMWE-14413			☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211417 80010805
HL	241913	HV						SWT TANK TO ANNULUS HI DP LOOP 3019	0 / 4	INWC		WMWE-14376		W704201	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300427
HL	241913	HV						GAGE/SWT HI LO ANN PRES LOOP 3021	5 / 2.5	INWC		WMWE-14376		W704201	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300429
HL	241914	HV	PS					SWT HI LO ANNULUS INLET PRES	5 / 2.5	INWC		WMWE-14475		W705424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211527 80014700
HL	241914	HV						GAGE/SWT TANK TO ANNULUS HI DP LOOP 3043	0 / 4	INWC		WMWE-14387		W705424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300440

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	RUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241915	HV	PS					GAGE ANN INLET FAN EXH FRES	5 / 2.5	INWC		WMWE-14475			W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211828 80010998
HL	241915	HV	PS					SWT PURGE HEPA HI DP	0 / 5.2	INWC		WMWE-14376			W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211632 80011002
HL	241916	HV	TI					IND PURGE PREHEATER TEMP	0 / 100	DEGC		WMWE-13026				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211809 80011172
HL	241923	HV	PS					SWT FAN SHUTDOWN PRES	0 / 1	INWC		WMWE-14328			W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211889 80011209
HL	241924	HV	PI					SWT FAN SHUTDOWN PRES	0 / 1	INWC		WMWE-14328			W707603	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211879
HL	241924	HV	PI					TANK 24 PURGE HEPA DP GAGE	0 / 1	INWC			M- M6- H- 8577	W707603	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211882 80013377	
HL	241932	HV	PS					SWT TANK TO ANNULUS HI DP	0 / 5	INWC		WMWE-14328			W705480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212147 80011435
HL	241935	HV	PS					SWT GAGE PURGE HEPA DP	0 / 5.2	INWC		WMWE-14328			W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212223 80011491
HL	242001	HV	PSL					SWT CTS COIL EXIT LO PRES	0 / 12	PSIG		WMWE-17016		M- M6- H- 0218	S5-2-17081	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213043 80012146
HL	242001	HV	PDSH					SWT PP HEPA HI HI DP	0 / 5.8	IN		WMWE-17022		M- M6- H- 1644	S5-2-19682	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213085 80012184
HL	242001	HV	FSL					SWT FLOW PIT EXH AIR LO (DCA)	0 / 3.2	INWC		WMWE-17021		M- M6- H- 1644	S5-2-19682	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213086 80012185
HL	242001	HV	PDSL					SWT PT SEC HEPA DP LO	0 / 2	INWC		WMWE-17019		M- M6- H- 1642	S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213112 80012206
HL	242001	HV	PDSH					SWT PT PRIMARY HEPA DP - HI HI	0 / 8	INWC		WMWE-17018		M- M6- H- 1642	S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213114 80012207
HL	242018	HV	PDSL					SWT PP HEPA LO DP	0 / 8	INWC		WMWE-17022		M- M6- H- 1644	MM6H01644/S5-2-19682	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213449 80012452
HL	242018	HV	PDSH					SWT PP HEPA HI DP	0 / 5	INWC			M- M6- H- 1644	S5-2-19682	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213461 80012457	
HL	242018	HV	PDSH					SWT PT PRIMARY HEPA DP-HI	0 / 8	INWC		WMWE-17018		M- M6- H- 1642	S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213482 80012458

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
EC	A	BLDG	SYS	RUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	242018	HV	PDSH					SWT PT SECONDARY HEPA DP - HI HI	0 / 5	INWC				M- M6- H- 1642	S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213463 80012459
HL	242018	HV	PDSH					SWT PT SECONDARY HEPA DP-HI	0 / 5	INWC				M- M6- H- 1642	S5-2-19678	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213464 80012460
HL	242018	HV	MSH					SWT PP EXH HI HUMIDITY	18.4 / 90	ma / %				M- M6- H- 1644		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213473 80012468
HL	241-932	HV	LOOP	2018			3290T1	TK 32 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-H- 8721	W705480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241921	HV	PDIS	2019			Y321-7598-P S	GAGE/ SWT PURGE EXHAUST HEPA DP	0 / 5.2	INWC		WMWE-14475		M- M6-H- 8577	W707603	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211823 80011175
HL	241-909	HV	LOOP	3092				TK 9 HV PURGE EXHAUST HEPA FLT DIFF PRESS LOOP						M- M6-H- 9339	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	HV	LOOP	3118				TANK 10 H/LD VACUUM ALARM LOOP						M- M6-H- 9334	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	HV	LOOP	3120				TANK 10 ANNULUS H/LD PRESSURE ALARM LOOP						M- M6-H- 9334	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	HV	LOOP	3187			3187	TK 12 PURGE EXHAUST FILTER HIGH DP ALARM LOOP						M- M6-H- 9330	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	HV	LOOP	3188			3188	TK 12 TANK VACUUM ALARM LOOP						M- M6-H- 9330	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	HV	LOOP	3170			3170	TK 12 ANNULUS VACUUM ALARM LOOP						M- M6-H- 9330	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	HV	LOOP	3172			3172	TK 12 PURGE EXHAUST HEATER CONTROL LOOP						M- M6-H- 9330	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-929	HV	LOOP	3218			3218P	TK 29 HV ANNULUS EXH FAN LOW VAC ALARM LOOP						M- M6-H- 8891	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300516
HL	241929	HV	PDSL	3218				GAGE ANN EXHAUST VAC	1 / 5	INWC				M- M6-H- 8891	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300518 80011230
HL	241-929	HV	LOOP	3217			3217X	TK 29 HV ANNULUS EXH CAM RADIATION IND/ALARM LOOP						M- M6-H- 8891	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26365701
HL	241-929	HV	LOOP	3219			3219P	TK 29 HV PURGE EXHAUST FILTER HIGH DP ALARM LOOP						M- M6-H- 8891	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26368001

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 163FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241929	HV	PDSH	3219			Y329-3219-P S	SWT PURGE EXH HEPA HI DP	0 / 5	INWC		WMWE-14376		M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211920 80011241
HL	241-929	HV	LOOP	3220			3220X	TK 29 HV PURGE EXH CAM RADIATION IND/ALARM LOOP						M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26365801
HL	241-929	HV	LOOP	3226			3226P	TK 29 HV TANK TO ANNULUS DIFF PRESS LOOP						M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26333501
HL	241929	HV	PDI	3226				GAGE/SWT TANK TO ANN DP	0 / 5	INWC				M-M6-H-8691	W707928 W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26333501 80011232
HL	241-929	HV	LOOP	3232			3220F	TK 29 HV PURGE CAM LOW FLOW ALARM LOOP						M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940279
HL	241929	HV	FSL	3232				SWT PURGE CAM LO FLOW DP	0 / 10	INWC		WMWE-14305		M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211918 80011240
HL	241-929	HV	LOOP	3233			3217F	TK 29 HV ANNULUS EXH CAM LOW FLOW ALARM LOOP						M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940278
HL	241929	HV	FSL	3233				SWT CAM ANNULUS LO FLOW DP	0 / 10	INWC		WMWE-14305		M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211908 80011234
HL	241-929	HV	LOOP	3234			3219	TK 29 HV PURGE EXH LOW DIFF PRESS LOOP						M-M6-H-8691	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26366101
HL	241-930	HV	LOOP	3241			3241PS	TK 30 HV ANNULUS EXHAUST FAN FAILURE ALARM LOOP						M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300526
HL	241930	HV	PDSL	3241				GAGE ANNULUS EXHAUST VACUUM	1 / 5	INWC		WMWE-14328		M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211968 80011297
HL	241-930	HV	LOOP	3242			3242PT	TK 30 HV TANK TO ANNULUS HIGH DP ALARM LOOP						M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26333901
HL	241930	HV	PDSH	3242				TK 30 HV TANK TO ANNULUS DP INDICATOR SWITCH	0 / 5	INWC		WMWE-14328		M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211983 80011293
HL	241-930	HV	LOOP	3243			3243PS	TK 30 HV PURGE EXHAUST FILTER HIGH DP ALARM LOOP						M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300528
HL	241930	HV	PS	3243				SWT PURGE EXH HEPA HI DP	0 / 5	INWC		WMWE-14376		M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211977 80011287
HL	241-930	HV	LOOP	3244			3244XT	TK 30 HV ANNULUS EXHAUST CAM ALARM LOOP						M-M6-H-8717	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26367201

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241-056	HV	LOOP		3413			HDB-6 PURGE EXHAUST CAM PUMP LOW FLOW LOOP						M- M6-H- 8894	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-935	HV	LOOP		3486		3488T1	TK 35 HV PURGE CONDENSER OUTLET TEMPERATURE LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941355
HL	241-935	HV	LOOP		3488			TK 35 HV PURGE CONDENSER INLET TEMPERATURE LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941354
HL	241-935	HV	LOOP		3490		3490	TK 35 HV PURGE EXHAUST FILTER HIGH DP ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26372401
HL	241-935	HV	LOOP		3492		3492	TK 35 HV TANK VACUUM ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26372601
HL	241-935	HV	LOOP		3493		3493	TK 35 HV PURGE EXH CAM RADIATION IND/ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26372701
HL	241-935	HV	LOOP		3496		3496T	TK 35 HV ANNULUS INLET TEMPERATURE LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941357
HL	241-935	HV	LOOP		3499		3499	TK 35 HV ANNULUS EXH CAM RADIATION IND/ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26373101
HL	241-909	HV	LOOP		4503			TK 9 HV PURGE EXHAUST HEATER TEMPERATURE LOOP						M- M6-H- 9339	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-935	HV	LOOP		490		490	TK 35 HV PURGE EXH REHEATER TEMP CONTROL LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941314
HL	241-935	HV	LOOP		500		500T	TK 35 HV ANNULUS EXHAUST TEMPERATURE LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941358
HL	241-935	HV	LOOP		506		506WA	TK 35 HV ANNULUS FAN NOT RUNNING ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941359
HL	241-935	HV	LOOP		509		509WA	TK 35 HV PURGE FAN NOT RUNNING ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941356
HL	241-935	HV	LOOP		510		510	TK 35 HV PURGE EXH CAM LOW FLOW ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941315
HL	241-935	HV	LOOP		511		511	TK 35 HV ANNULUS EXHAUST CAM LOW FLOW ALARM LOOP						M- M6-H- 8723	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941316
HL	241-938	HV	LOOP		531		531	TK 38 HV PURGE REHEATER TEMPERATURE CONTROL LOOP						M- M6-H- 9000	W700823	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300146

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(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 167FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	ASSIGNED NO.	IDP #
HL	241-936	HV	LOOP		532					M-M6-H-9000	W700823				26941637
HL	241-936	HV	LOOP		533					M-M6-H-9000	W700823				26941636
HL	241-936	HV	LOOP		534					M-M6-H-9000	W700823				26941638
HL	241-936	HV	LOOP		541					M-M6-H-9000	W700823				26941640
HL	241-936	HV	LOOP		546					M-M6-H-9000	W700823				26941642
HL	241-936	HV	LOOP		547					M-M6-H-9000	W700823				26941659
HL	241-936	HV	LOOP		555					M-M6-H-9000	W700823				26941641
HL	241-936	HV	LOOP		556					M-M6-H-9000	W700823				26941639
HL	241-035	HV	LOOP		5601					M-M6-H-8904	W163485				
HL	241-937	HV	LOOP		570					M-M6-H-9004	W700186				26376501
HL	241-937	HV	LOOP		571					M-M6-H-9004	W700186				26376601
HL	241-937	HV	LOOP		572					M-M6-H-9004	W700186				26376701
HL	241-937	HV	LOOP		573					M-M6-H-9004	W700186				26376801
HL	241-937	HV	LOOP		579					M-M6-H-9004	W700186				26377201
HL	241937	HV	FB		582					M-M6-H-9003	W700824				26212426 80011661
HL	241-937	HV	LOOP		583					M-M6-H-9004	W700186				26942428

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/85
Report Run Time: 2:33:01 PM
Page 166FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HL	241-937	HV	LOOP		584						M-M6-H-9004	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942429
HL	241-937	HV	LOOP		588						M-M6-H-9004	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942427
HL	241-937	HV	LOOP		589						M-M6-H-9004	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942426
HL	241-035	HV	LOOP		6022						M-M6-H-8804	W163485	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	HV	LOOP		6023						M-M6-H-8804	W163485	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-931	HV	LOOP		6568		6568				M-M6-H-8719	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942653
HL	242-001	HV	LOOP		8978						M-M6-H-9339	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	HV	LOOP		8979						M-M6-H-9339	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	HV	LOOP		8980						M-M6-H-9339	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7244		3070PA				M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7245						M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7246						M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7247		3072TC				M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7248		3067PA				M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	HV	LOOP		7250		3065TC1				M-M6-H-9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	HV	LOOP		7861		7861				M-M6-H-9325	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL THE NEW FIELDS ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 166

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241-923	HV	LOOP	7865			7865	TANK 23 PURGE EXHAUST HEPA FILTER DIFF PRESS LOOP						M- M6-H- 9325	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	HV	LOOP	7868			7868	TANK 23 PURGE INLET LOW VACUUM LOOP						M- M6-H- 9325	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	HV	LOOP	8306				TANK 10 PURGE EXHAUST REHEATER TEMP CONTROL LOOP						M- M6-H- 9334	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	HV	LOOP	8307				TANK 10 PURGE EXHAUST FILTER HIGH DP ALARM LOOP						M- M6-H- 9334	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	HV	LOOP	8308				TANK 10 ANNULUS AIR OUTLET TEMPERATURE LOOP						M- M6-H- 9334	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241035	IA	PS					SWT INSTR AIR SUPPLY PRES	0 / 40	PSI		WMWE-14357			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210860 80010312
HL	241935	IA	PS					SWT INSTR AIR LO PRES	0 / 80	PSI		WMWE-14357			W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011532
HL	241-000	IA	LOOP	2010				INSTRUMENT AIR SUPPLY PRESSURE ALARM LOW LOOP						M- M6-H- 8751	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	IA	LOOP	3454				TKS 35-37 GV HOUSE IA REDUCING STATION PAL LOOP						M- M6-H- 8990	W700575	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	IA	LOOP	4938				INSTRUMENT AIR SUPPLY PRESSURE ALARM LOW LOOP						M- M6-H- 8751	PF 5077	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-000	IW	LOOP	4800			4800	INHIBITED WATER TANK LOW LEVEL ALARM LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940668
HL	244-000	IW	LOOP	4801			4801	INHIBITED WATER TANK HIGH HIGH LEVEL ALARM LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940670
HL	241-000	IW	LOOP	4802			4802	INHIBITED WATER TANK HIGH LEVEL CONTROL LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940685
HL	241-924	IW	LOOP	4804			4804A	TK 24 IW PUMP SUCTION VALVE POSITION CONTROL LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940683
HL	241-924	IW	LOOP	4804			4804B	TK 24 IW PUMP SUCTION VALVE POSITION CONTROL LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940684
HL	241-000	IW	LOOP	4805				INHIBITED WATER TANK LEVEL RECORDING LOOP						M- M6-H- 8736	MM6H7741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940667

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 11/16/95
Report Run Time: 2:59:01 PM
Page: 170FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status		IPL COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS								M TYPE	W or OTHER TYPE				
HL	241-000	IW	LOOP	5144	4618	TK 9 IW PICK HEATER TEMPERATURE CONTROL LOOP					M- M6-H- 8945	W713775	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26943727
HL	241-000	IW	LOOP	5145	4618	TK 9 IW PICK HEATER HIGH TEMP CONTROL LOOP					M- M6-H- 8945	W713775	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26943729
HL	241-024	IW	LOOP	5146	4668	TK 24 IW PICK HEATER TEMPERATURE CONTROL LOOP					M- M6-H- 8950	W712698	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26943568
HL	241-024	IW	LOOP	5147	4668	TK 24 IW PICK HEATER HIGH TEMP CONTROL LOOP					M- M6-H- 8950	W712698	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26943730
HL	241-018	IW	LOOP	5151		TK 16 IW PICK HEATER TEMPERATURE CONTROL LOOP					M- M6-H- 8953	W727986	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26943912
HL	242-001	LC	LOOP	6849		EVAP FLASH TK CONDENSATE RADIOACTIVITY LOOP					M- M6-H- 9177	MM6H1517	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-001	LC	LOOP	6850		EVAP FLASH TK CONDENSATE DIVERTER VALVE FLOW LOOP					M- M6-H- 9177	MM6H1517	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-018	LC	LOOP	6920		CTS PUMP PIT COILS DISCHARGE LOW PRESSURE LOOP					M- M6-H- 9178	MM6H0218	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242001	LD	LS			SWT LD SUMP HI LVL	0 / 15		INWC	WMWE-14368		S5-2-6583	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26213101 80012198
HL	242001	LD	LS			REC LD SUMP TK 23	0 / 15		INWC	WMWE-14368		S5-2-6583	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26213102 80012199
HL	241-018	LD	LOOP	1451		TK 15/16 TRANSFER VALVE BOX LEAK DETECTION LOOP					M- M6-H- 8911	S5211981	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-058	LD	LOOP	1525		HDB-8 LDB-4 LEAK DETECTION LOOP					M- M6-H- 8895	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-058	LD	LOOP	1526		HDB-8 LDB-5 LEAK DETECTION LOOP					M- M6-H- 8895	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	LD	LOOP	2025		HDB-2 LDB-7 LEAK DETECTION LOOP					M- M6-H- 8800	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	LD	LOOP	2026		HDB-2 LDB-8 LEAK DETECTION LOOP					M- M6-H- 8800	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-031	LD	LOOP	3345		HDB-4 TO TANK 31 LEAK DETECTION LOOP					M- M6-H- 8893	W236570	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER

EXCEPT ETF, ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:23:01 PM
Page 171FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HL	241-032	LD	LOOP	3346							M- M6-H- 8893	W236570	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-030	LD	LOOP	3347							M- M6-H- 8893	W236570	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-029	LD	LOOP	3348							M- M6-H- 8747	W236570	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-029	LD	LOOP	3349							M- M6-H- 8747	W236570	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-050	LD	LOOP	3402							M- M6-H- 8895	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-050	LD	LOOP	3403							M- M6-H- 8895	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-050	LD	LOOP	3404							M- M6-H- 8895	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-013	LD	LOOP	3409							M- M6-H- 8910	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6005							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6006							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6007							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6008							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6009							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-035	LD	LOOP	6010							M- M6-H- 8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-010	LD	LOOP	6026							M- M6-H- 8908	W706633	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-015	LD	LOOP	6038							M- M6-H- 8911	S5211001	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/85
Report Run Time: 2:33:01 PM
Page 1/2FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BIDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241000	LS	KT					SWT GV LO STEAM PRES	0 / 65	PSG		WMWE-14357			W147172	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210598 80010142
HL	241058	LS	PS					SWT GV LO STEAM PRES SEE 02654A	0 / 65	PSG		WMWE-14357			W714360	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210937 80010384
HL	241058	LS	KT					SWT GV ANN STEAM PRES	0 / 65	PSG		WMWE-14357			S5-2-4287	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210952 80010391
HL	241909	LS	PS					SWT ANN GV STM LO PRES	0 / 65	PSI		W707168			W707168	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211174 80010586
HL	241913	LS	PS					SWT LO STEAM TO RE-HEAT COILS PRES	0 / 25	PSG		WMWE-14357			W704201	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80010801
HL	241930	LS	PS					SWT ANN LO STEAM PRES	0 / 25	PSG		WMWE-14357			W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211990 80011299
HL	241931	LS	PS					SWT ANN HTR LO STM PRES	0 / 25	PSG		WMWE-14357			W705479	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011363
HL	241932	LS	PS					SWT ANN HTR LO STM PRES	0 / 25	PSG		WMWE-14357			W705480	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212133 80011424
HL	241935	LS	PS					SWT ANN HTR LO STM PRES	0 / 25	PSG					W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212204
HL	242000	LS	PSH					SWT LANCE GV HI DISCH PRES	0 / 3	PSG		WMWE-17011			JJ5H01338 S5-2-19636 W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212874 80012032
HL	242001	LS	PSL					SWT LANCE GV LO DISCH PRES	0 / 1	PSG		WMWE-17011			JJ5H01338 S5-2-19636 W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213069 80012169
HL	241-929	LS	LOOP	3221				TK 29 ANNULUS PREHEATER LOW STEAM PRESSURE LOOP						M- M6-H- 8748	W236723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-930	LS	LOOP	3246	3246			TK 30 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9009	W236723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-931	LS	LOOP	3271	3271			TK 31 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9009	W236723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-932	LS	LOOP	3298	3298			TK 32 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9010	W236723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300550
HL	241-935	LS	LOOP	507				TK 35 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9011	W700104	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA 299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ NUMBER-SEQ SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 173FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPL COORDINATOR	
FC	A	BLDG	SYS								M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HL	242-000	LS	LOOP	5141	FLUSH WATER HOLD TANK TV CONTROL LOOP						M- M6-H- 8748	MM6H8233	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-936	LS	LOOP	548	548 TK 36 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9012	W700104	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-937	LS	LOOP	585	TK 37 LOW STEAM ANNULUS INLET PSL LOOP						M- M6-H- 9012	W700104	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	LS	LOOP	6819	TK 21 PURGE EXHAUST LOW PRESSURE LOOP						M- M6-H- 9175	W717596	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	LS	LOOP	6823	TK 23 PURGE EXHAUST LOW PRESSURE LOOP						M- M6-H- 9175	W713286	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	LS	LOOP	6826	TK 22 PURGE EXHAUST LOW PRESSURE LOOP						M- M6-H- 9175	W702586	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	LS	LOOP	6830	TK 24 PURGE EXHAUST LOW PRESSURE LOOP						M- M6-H- 9175	W713004	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-018	LS	LOOP	6859	PUMP PIT EXHAUST HEATER STEAM LOW PRESS ALARM LOOP						M- M6-H- 9179	MM6H1643	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242-001	LS	LOOP	6861	PUMP TANK EXHAUST HEATER LOW STEAM PRESSURE LOOP						M- M6-H- 9179	MM6H1641	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	LS	LOOP	6885	TK 9 ANNULUS HEATER LS LOW PRESSURE ALARM LOOP						M- M6-H- 9181	W708215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	LS	LOOP	6888	TK 10 ANNULUS HEATER LS LOW PRESSURE ALARM LOOP						M- M6-H- 9182	W708215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-911	LS	LOOP	6871	TK 11 ANNULUS HEATER LS LOW PRESSURE ALARM LOOP						M- M6-H- 9183	W708215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-911	LS	LOOP	6875	TK 11 LOW STEAM FLOW LOOP						M- M6-H- 9183	W713706	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	LS	LOOP	6877	TK 12 LS ANNULUS HEATER PRESSURE ALARM LOW LOOP						M- M6-H- 9184	W708215	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-913	LS	LOOP	6879	TK 13 LS VALVE HOUSE HEATER TEMPERATURE LOOP						M- M6-H- 9185	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-913	LS	LOOP	6880	TK 13 LS VALVE HOUSE HEATER TEMPERATURE LOOP						M- M6-H- 9185	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241	913	LS	LOOP	6881			TK 13 LS ANNULUS HEATER PRESSURE ALARM LOW LOOP						M- M6-H- 9185	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	914	LS	LOOP	6884			TK 14 LS VALVE HOUSE HEATER TEMPERATURE LOOP						M- M6-H- 9186	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	914	LS	LOOP	6885			TK 14 LS VALVE HOUSE HEATER TEMPERATURE LOOP						M- M6-H- 9186	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	914	LS	LOOP	6886			TK 14 LS ANNULUS HEATER PRESSURE ALARM LOW LOOP						M- M6-H- 9186	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	915	LS	LOOP	6892			TK 15 ANNULUS HTR LS SUPPLY LOW PRESSURE LOOP						M- M6-H- 9189	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	915	LS	LOOP	6895			TK 15 VALVE HOUSE HCL LS TEMPERATURE LOOP						M- M6-H- 9189	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	915	LS	LOOP	6896			TK 15 VALVE HOUSE HCL LS TEMPERATURE LOOP						M- M6-H- 9189	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	916	LS	LOOP	6897			TK 16 VALVE HOUSE HCL LS TEMPERATURE LOOP						M- M6-H- 9190	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	916	LS	LOOP	6898			TK 16 VALVE HOUSE HCL LS TEMPERATURE LOOP						M- M6-H- 9190	W163372	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	242000	MC	RSH					SWT FLASH TK CONDENSATE ACT HINLOW TROUBLE	200 / 800	CPS		WMWE-17137		MM6H01517		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212884 80012039
HL	242000	MC	RSH					SWT FLASH TK CONDENSATE ACTIVITY	0 / 420	CPS		WMWE-17137		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212910 80012056
HL	242000	MC	LSHH					SWT FLASH TANK LVL HI HI	0 / 36	INWC		WMWE-17098		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212921 80012059
HL	242000	MC	LS					SWT FLASH TANK LVL SPARE	0 / 30	INWC		WMWE-17098		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212922 80012060
HL	242000	MC	LSH					SWT FLASH TANK LVL HI	0 / 30	INWC		WMWE-17098		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212923 80012061
HL	242000	MC	LSL					SWT FLASH TANK LVL LO	0 / 10	INWC		WMWE-17098		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212924 80012062
HL	242000	MC	FS					SWT FLASH TANK CONDENSATE ACT.	0 / 900	CPS		WMWE-17137		M- M6- H- 1517	SSK-5-2-04243	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213892 80012789

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N			M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HL	242-000	MC	LOOP	6837	EVAP TUBE BUNDLE CONDENSATE PRESSURE LOOP					M- M6-H- 9176	MM6H1517	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-000	MC	LOOP	6838	EVAP TUBE BUNDLE CONDENSATE PRESSURE LOOP					M- M6-H- 9176	MM6H1517	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	242-001	MC	LOOP	6840	CONDENSATE FLASH TANK LEVEL LOOP					M- M6-H- 9176	MM6H1517	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241056	MS	PS		SWT STEAM PRES #150	0 / 65	PSI					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210126 80000023	
HL	241056	MS	PS		SWT STEAM PRES #150	0 / 65	PSI					☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210126 80000025	
HL	242000	MS	PS		SWT TUBE BUNDLE EXIT LO PRES	0 / 30	PSIG	WMWE-17009			W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212966 80012061	
HL	242000	MS	PSL		SWT TUBE BUNDLE STM FCV AIR LO PRES	0 / 4	PSIG	WMWE-14357		M- M6- H- 1515	SSK-5-2-4084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212975 80012066	
HL	242000	MS	PSH		SWT TUBE BUNDLE INLET HI PRES	0 / 180	PSIG	WMWE-14357		M- M6- H- 1515	SSK-5-2-4084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212976 80012067	
HL	242001	MS	PSL		SWT TUBE BUNDLE EXIT LO STEAM	0 / 20	PSIG	WMWE-17009		M- M6- H- 1517	S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213036 80012140	
HL	242-000	MS	LOOP	3380	MEDIUM STEAM TO TUBE BUNDLE FLOW CONTROL LOOP					M- M6-H- 9174	MM6H1515	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-911	MS	LOOP	6874	TK 11 MEDIUM STEAM FLOW LOOP					M- M6-H- 9183	W713706	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241008	PA	PS		SWT LO STEAM PRES	0 / 65	PSIG				W238121	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210101 80000003	
HL	241056	PA	PS		SWT PROCESS AIR PRES	0 / 40	PSI	HLWM-14443				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210124 80000021	
HL	241064	PA	PS		SWT COMP #2 PRES	125 / 131	PSIG				W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210955 80010363	
HL	241064	PA	PS		SWT COMP #1 PRES	134 / 140	PSI				W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210956 80010364	
HL	241064	PA	PS		SWT COMP #1 PRES	131 / 137	PSI				W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210957 80010365	

(FL & FM - F Tank Farm) (HA-2800H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241	1064	PA	PS				SWT COMP #2 PRES	128 / 134	PSI					W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210958 80010396
HL	241	1129	PA	PS				SWT PRESS UNLOADER COMP #2	160 / 170	PSI		WMM-14438			W2009560	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211092 80010507
HL	241	1129	PA	PS				SWT AIR HEADER LO PRES	140 / 155	PSIG					S5-2-19817	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213894
HL	241	1129	PA	TS				SWT AIR TEMP COMP #1	0 / 420	DEG F					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213902
HL	241	1129	PA	PS				SWT OIL PRES COMP #2	0 / 8	PSIG					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213906
HL	241	1129	PA	TS				SWT AIR TEMP COMP #2	0 / 420	DEG F					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213908
HL	241	1129	PA	TS				SWT COOLING WATER TEMP COMP #2	0 / 140	DEG F					W2009560	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213910
HL	241	129	PA	LOOP	2010			BLDG 129 COMPRESSOR #1 HIGH VIBRATION LOOP						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2011			BLDG 129 CMP #1 HIGH COOLING WATER TEMP LOOP						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2012			BLDG 129 CMP #1 DISCHARGE TEMP HIGH ALARM LOOP						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2018			BLDG 129 CMP #1 INTERCOOLER COND LEVEL HIGH LOOP						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	025	PA	LOOP	2017			BLDG 129 COMPRESSOR #1 LOW OIL PRESSURE LOOP						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2020			BLDG 129 PA HEADER PRESSURE LOW ALARM LOOP						M- M6-H- 8995	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2030			BLDG 129 CMP #2 COOLING WATER TEMP HIGH ALARM LOOP						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2031			BLDG 129 CMP #2 DISCHARGE TEMP HIGH ALARM LOOP						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	129	PA	LOOP	2035			BLDG 129 CMP #2 VIBRATION HIGH ALARM LOOP						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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I-IX-G-0001
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FC = Functional Class
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LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SF	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HL	241-129	PA	LOOP	2036						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-129	PA	LOOP	2037						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-129	PA	LOOP	2046						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-129	PA	LOOP	2051						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-025	PA	LOOP	2058						M- M6-H- 8993	MM6H7931	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-129	PA	LOOP	2059						M- M6-H- 8994	MM6H7919	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-025	PA	LOOP	3455						M- M6-H- 8990	W700575	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	4934						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	4935						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7021						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7022						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7023						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7024						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7025						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7026						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-064	PA	LOOP	7027						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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I-IX-G-0001

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Page 1/8FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241-064	PA	LOOP		7028			BLDG 64 CMP #2 INTERCOOLER COND LEVEL HIGH LOOP						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-064	PA	LOOP		7031			BLDG 64 CMP #1 2ND STAGE DISCH TEMP HIGH LOOP						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-064	PA	LOOP		7032			BLDG 64 CMP #2 2ND STAGE DISCH TEMP HIGH LOOP						M- M6-H- 8996	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-064	PA	LOOP		7036			BLDG 64 RECEIVERS PRESSURE LOW ALARM LOOP						M- M6-H- 8997	W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-000	SPW	LOOP		6403		7532	PORTABLE SPRAY WASH TANK FILL CONTROL LOOP						M- M6-H- 8949	W714277	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943885
HL	241-000	SPW	LOOP		6407		7535	PORTABLE SPRAY WASH TANK LOW-LOW LEVEL ALARM LOOP						M- M6-H- 8949	W714277	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943816
HL	241-000	SPW	LOOP		6408		7534	PORTABLE SPRAY WASH TANK LOW LEVEL ALARM LOOP						M- M6-H- 8949	W714277	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943818
HL	241-000	SPW	LOOP		6409		7532	PORTABLE SPRAY WASH TANK HIGH LEVEL ALARM LOOP						M- M6-H- 8949	W714277	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943817
HL	241-000	SPW	LOOP		6410		7533	PORTABLE SPRAY WASH TK HIGH-HIGH LEVEL ALARM LOOP						M- M6-H- 8949	W714277	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943815
HL	241008	SSEW	LS					SWT SUMP LVL		0 / 5	INWC				W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210112 80000013
HL	241008	SSEW	LS					SWT SUMP LVL		0 / 5	INWC	WMWE-17096			W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210629 80010160
HL	241036	SSEW	LS					SWT PP-1 SUMP LVL		0 / 40	INWC	WMWE-17061			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210812 80010277
HL	241036	SSEW	LS					SWT PP-2 SUMP LVL		0 / 15	INWC	WMWE-17062			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210813 80010278
HL	241036	SSEW	LS					SWT PP-3 SUMP LVL		0 / 15	INWC	WMWE-17063			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210814 80010279
HL	241036	SSEW	LS					SWT PP-4 SUMP LVL		0 / 35	INWC	WMWE-17064			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210815
HL	241036	SSEW	LS					SWT PP-4 SUMP LVL		0 / 15	INWC	WMWE-17064			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80010280

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ NUMBER SEQ SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL		241056	SSEW	LSH				SWT SUMP HI LVL	0 / 8	INWC					S5-2-6583	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210121 80000020
HL		241056	SSEW	LSH				SWT SUMP HI LVL	0 / 8	INWC		WMWE-17057			S5-2-6583	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210936 80010383
HL		241923	SSEW	PS				SWT SIDEWALL SUMP PUMP PRES	0 / 10	PSIG		WMWE-14357			W231132	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211863 80011204
HL		241924	SSEW	PS				SWT SIDEWALL SUMP PUMP PRES	0 / 10	PSIG					W231132	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211875 80011213
HL		242000	SSEW	LSH				SWT HI RECEIVER SUMP LVL GAGE	0 / 10	INWC		WMWE-17004		M- M6- H- 1645	W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212958 80012084
HL		242001	SSEW	LSHH				SWT OH CELL SUMP ACTIVATOR	0 / 9	IN				M- M6- H- 1645	S- S5- H- 1339	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212997 80012110
HL		242001	SSEW	LSL				SWT OH CELL SUMP ACTIVATOR	0 / 3	IN				M- M6- H- 1645	S- S5- H- 1339	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212998 80012111
HL		242001	SSEW	LSHH				SWT EVAP CELL SUMP LEVEL	0 / 28	INWC		WMWE-17003			JJ5H01339 S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213051 80012154
HL		242001	SSEW	LSHH				SWT OH SUMP LVL	0 / 12	INWC		WMWE-17004		M- M6- H- 1645	W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213067 80012195
HL		242001	SSEW	LS				SWT SUMP LVL HI	0 / 8	IN		WMWE-17055			SSK5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213152 80012240
HL		242003	SSEW	LS				SWT PP SUMP HI LVL	0 / 10	INWC		WMWE-14376		M- M6- H- 0214	W706533	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213183 80012268
HL		907-002	SSEW	LOOP	101		101	907-2H STORM WATER MONITOR RADN IND/ALARM LOOP						M- M6- H- 8976	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300422
HL		907-002	SSEW	LOOP	102		102	907-2H STORM WATER MONITOR DOOR OPEN IND LOOP						M- M6- H- 8976	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943463
HL		907-002	SSEW	LOOP	103	A	103	907-2H STORM WATER MONITOR HIGH TEMP CONTROL LOOP						M- M6- H- 8976	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943455
HL		907-002	SSEW	LOOP	103	B	107	907-2H STORM WATER MONITOR LOW TEMP CONTROL LOOP						M- M6- H- 8976	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943464
HL		907-001	SSEW	LOOP	105		105	907-2H DIVERSION GATE TO BASIN POSITION IND LOOP						M- M6- H- 8979	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943451

(FL & FM - F Tank Farm) (HA-290H-H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	907-001	SSEW	LOOP		106		106	907-2H DIVERSION GATE TO CREEK POSITION IND LOOP						M- M6-H- 8979	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943444
HL	907-002	SSEW	LOOP		108		109	907-2H STORM WATER MONITOR MAINTENANCE LOOP						M- M6-H- 8976	W737199	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943456
HL	907-003	SSEW	LOOP		6424		112	907-3H STORM WATER MONITOR RADN IND/ALARM LOOP						M- M6-H- 8977	W738421	☐ Required ☐ Not Required ☒ Undetermined	☒ Complete ☒ Incomplete ☐ Information Only	26551505
HL	907-003	SSEW	LOOP		6425		118	907-3H STORM WATER MONITOR LOW TEMP CONTROL LOOP						M- M6-H- 8977	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943465
HL	907-003	SSEW	LOOP		6428		114	907-3H STORM WATER MONITOR HIGH TEMP CONTROL LOOP						M- M6-H- 8977	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943454
HL	907-003	SSEW	LOOP		6427		118	907-3H STORM WATER MONITOR DOOR OPEN IND LOOP						M- M6-H- 8977	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943462
HL	907-003	SSEW	LOOP		6428		119	907-3H STORM WATER MONITOR MAINTENANCE LOOP						M- M6-H- 8977	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943457
HL	907-005	SSEW	LOOP		6429		132	907-5H STORM WATER MONITOR RADN IND/ALARM LOOP						M- M6-H- 8977	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300633
HL	907-005	SSEW	LOOP		6430		138	907-5H STORM WATER MONITOR LOW TEMP CONTROL LOOP						M- M6-H- 8977	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943467
HL	907-005	SSEW	LOOP		6431		134	907-5H STORM WATER MONITOR HIGH TEMP CONTROL LOOP						M- M6-H- 8977	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943452
HL	907-005	SSEW	LOOP		6432		133	907-5H STORM WATER MONITOR DOOR OPEN IND LOOP						M- M6-H- 8977	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943460
HL	907-005	SSEW	LOOP		6433		139	907-5H STORM WATER MONITOR MAINTENANCE LOOP						M- M6-H- 8977	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943459
HL	907-004	SSEW	LOOP		6434		122	907-4H STORM WATER MONITOR RADN IND/ALARM LOOP						M- M6-H- 8978	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26551508
HL	907-004	SSEW	LOOP		6435		128	907-4H STORM WATER MONITOR LOW TEMP CONTROL LOOP						M- M6-H- 8978	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943466
HL	907-004	SSEW	LOOP		6436		124	907-4H STORM WATER MONITOR HIGH TEMP CONTROL LOOP						M- M6-H- 8978	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943453
HL	907-004	SSEW	LOOP		6437		123	907-4H STORM WATER MONITOR DOOR OPEN IND LOOP						M- M6-H- 8978	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943461

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:33:01 PM
Page 101FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	907-004	SSEW	LOOP		6438		129	907-4H STORM WATER MONITOR TROUBLE/MAINT IND LOOP						M- M6-H- 8978	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943458
HL	907-001	SSEW	LOOP		6439		116	907-3H DIVERSION GATE TO BASIN POSITION IND LOOP						M- M6-H- 8979	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943450
HL	907-001	SSEW	LOOP		6440		117	907-3H DIVERSION GATE TO CREEK POSITION IND LOOP						M- M6-H- 8979	W738421	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943445
HL	907-001	SSEW	LOOP		6441		126	907-4H DIVERSION GATE TO BASIN POSITION IND LOOP						M- M6-H- 8979	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943449
HL	907-001	SSEW	LOOP		6442		127	907-4H DIVERSION GATE TO CREEK POSITION IND LOOP						M- M6-H- 8979	W738422	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943446
HL	907-001	SSEW	LOOP		6443		136	907-5H DIVERSION GATE TO BASIN POSITION IND LOOP						M- M6-H- 8979	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943448
HL	907-001	SSEW	LOOP		6444		137	907-5H DIVERSION GATE TO CREEK POSITION IND LOOP						M- M6-H- 8979	W738423	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26943447
HL	241000	WEE	EY					1H CR RECIRCULATING PUMP ALARM RELAY	5.6 / 10.4	ma		WMM-SP-4231			W705364	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214059
HL	241000	WEE	EY					1H CR DRAW OFF PUMP ALARM RELAY	5.6 / 10.4	ma		WMM-SP-4230			W705364	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26214061
HL	241913	WEE	PSH					SWT FEED PMP FW PRES HI	0 / 28	INWC		WMWE-17013			S5-2-14469	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211397 80010794
HL	242000	WEE	LSH					SWT EVAP TRUE POT LVL - HI	0 / 50	INWC		WMWE-17002			JJ5H01339 S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212873 80012031
HL	242000	WEE	PSH					SWT LIFT GV DISCH HI PRES	0 / 3	PSG		WMWE-17012			JJ5H01338 S5-2-19636 W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212875 80012033
HL	242001	WEE	PSH					SWT POT PRES	0 / 30	INWC		WMWE-17000			JJ5H01339/S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213026 80012130
HL	242001	WEE	LSH					SWT OH TANK #4 HI LVL	0 / 80	INWC		WMWE-17005		M- M6- H- 1341	S5-2-17081	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213034 80012138
HL	242001	WEE	LSH					SWT OH TANK #5 HI LVL	0 / 80	INWC		WMWE-1700613		M- M6- H- 1341	S5-2-17081	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213035 80012139
HL	242001	WEE	LSL					SWT EVAP TRUE POT LVL - LO	0 / 44	INWC		WMWE-17002			392339/S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213037 80012141

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

(Ref: WSRC-TR-94-400)

Report Run Time 2:33:01 PM
Date: 11/11/2011

FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP- Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN

CLIN	PC	A	BIDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS	M TYPE	W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HL	242001	WEE	TS						SWT CTS TANK HI TEMP	0 / 120	DEGC		WMWE-17017		M- M6- H- 0216	S5-2-17081	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213039 80012142	
HL	242001	WEE	LSH						SWT EVAP FOAM HI LVL	0 / 8	INWC		WMWE-17001			JJ5H01339/S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213040 80012143	
HL	242001	WEE	LSHH						SWT CRC PUMP TANK LVL HI HI	0 / 17	INWC		WMWE-17008		M- M6- H- 1647	S5-2-17081	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213041 80012144	
HL	242001	WEE	LSHH						SWT CTS TANK TRUE LVL - HI HI	0 / 70	INWC		WMWE-17014		MM6H00218	S5-2-17081 W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213047 80012150	
HL	242001	WEE	PSL						SWT LIFT GV LO DISCH PRES	0 / 1	PSIG		WMWE-17012			W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213048 80012151	
HL	242001	WEE	TSH						SWT EVAP POT TEMP	0 / 150	DEGC		WMWE-17010		M- M6- H- 1515	S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213049 80012152	
HL	242001	WEE	LSHH						SWT EVAP TRUE POT LVL - HI HI	0 / 53	INWC		WMWE-17002			JJ5H01339 S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213054 80012157	
HL	242001	WEE	LSH						SWT CTS TANK TRUE LVL - HI	0 / 67	INWC		WMWE-17014		M- M6- H- 0218	S5-2-17081 W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213060 80012162	
HL	242001	WEE	LSL						SWT CTS TANK TRUE LVL - LO	0 / 58	INWC		WMWE-17014		M- M6- H- 0218	S5-2-17081 W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213061 80012163	
HL	242001	WEE	LSLL						SWT EVAP TRUE POT LVL - LO LO	0 / 41	INWC		WMWE-17002			JJ5H01339 S5-2-17080	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213063 80012165	
HL	242001	WEE	LSL						SWT CRC PUMP TANK LVL - LO	0 / 5	INWC		WMWE-17008		M- M6- H- 1647		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213070 80012170	
HL	242001	WEE	LSH						SWT CRC PUMP TANK LVL - HI	0 / 18	INWC		WMWE-17008		M- M6- H- 1647		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213071 80012171	
HL	242001	WEE	TSH						SWT CONDENSER VENT TEMP	0 / 95	DEGC		WMWE-17085			JJ5H01339 W231278	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213081 80012180	
HL	242001	WEE	LSLL						SWT CRC PMP TK LVL-LO LO	0 / 25	INWC		WMWE-17008		M- M6- H- 1647		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213111 80012205	
HL	242018	WEE							GAGE/SWT CTS TANK LVL HI HI LOOP 9412 LIA/SHH	0 / 17	INWC		WMWE-14328 WMWE-17014		M- M6- H- 0218	W238504	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26326801	
HL	241909	WTE	TSL						SWT STEEL WALL LO TEMP	0 / 25	DEGC		WMWE-14367			W704200	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211106 80010518	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

FL & FM - F Tank Farm)(HA 200T)(HE-ETI)(HG-NVTF)(HL & HM - H Tank Farm)
 SORT BY AREA SYSTEM SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETI. ETI SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL		241910	WTE	TSL				SWT ANN STEEL WALL LO	6 / 25	PSI / DEG C		WMWE-14357			W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211187 80010599
HL		241911	WTE	TSL				SWT ANN STEEL WALL LO	6 / 25	PSI / DEG C		WMWE-14357			W705476	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211254 80010659
HL		241912	WTE	TSL				SWT STEEL WALL LO TEMP	0 / 6	PSIG		WMWE-14357			W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211320 80010722
HL		241913	WTE	TSL				SWT STEEL WALL LO TEMP	0 / 25	DEGC		WMWE-14357			W704201	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211414 80010803
HL		241914	WTE	TSL				SWT STEEL WALL LO TEMP	6 / 25	PSI / DEG C		WMWE-14357			W705424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211530 80010909
HL		241915	WTE	TSL				SWT STEEL WALL LO TEMP	6 / 25	PSI / DEG C		WMWE-14357			W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211634 80011004
HL		241916	WTE	PI				GAGE TK HI LO PRES	5 / 2.5	INWC		WMWE-14475				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211807 80011171
HL		241929	WTE	TSL				SWT STEEL WALL LO TEMP	0 / 6	PSIG		WMWE-14357			W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211909 80011235
HL		241930	WTE	LSHH				SWT DRAWOFF RISER LVL HI HI	0 / 2	INWC				M- M6-H-1594	W238835	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212033 80011337
HL		241930	WTE	LSH				SWT DRAWOFF RISER LVL HI	0 / 1	INWC		WMWE-14376		M- M6-H-1594	W237884	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212034 80011338
HL		241931	WTE	LSH				SWT DRAWOFF RISER LVL HI	0 / 1	INWC		WMWE-14376		M- M6-H-1594	W237943	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212114 80011407
HL		241931	WTE	LSHH				SWT DRAWOFF RISER LVL HI HI	0 / 2	INWC		WMWE-14376		M- M6-H-1594		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212115 80011408
HL		241932	WTE	PS				SWT STEEL WALL LO TEMP	0 / 6	PSIG		WMWE-14357			W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212150 80011437
HL		241-924	WTE	LOOP		389 53		TANK 24 NORTH RISER LEVEL LOOP								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL		241-913	WTE	LOOP		482 18		TANK 13 RISER 7 HIGH LEVEL LOOP								☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL		241-929	WTE	LOOP		2001		TK 29 WTE H2 MONITOR HEAT TRACE CONTROL LOOP					11	M- M6-H-8890	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940280

(FL & FM - F Tank Farm) (HA-2994-H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241	035	WTE	LOOP	2002			TK 35 WTE H2 MONITOR HEAT TRACE TEMP CONTROL LOOP						M- M6-H- 8722	104H7695	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941317
HL	242	001	WTE	LOOP	2002			TK 37 WTE H2 MONITOR HEAT TRACE CONTROL LOOP						M- M6-H- 9003	EE4H7607	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942412
HL	241	030	WTE	LOOP	2003			TK 30 WTE H2 MONITOR HEAT TRACE CONTROL LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941789
HL	241	032	WTE	LOOP	2003			TK 32 WTE H2 MONITOR HEAT TRACE LOOP						M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241	036	WTE	LOOP	2003			TK 36 WTE H2 MONITOR HEAT TRACE LOOP						M- M6-H- 8999	EE4H7696	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941664
HL	241	031	WTE	LOOP	2005			TK 31 WTE H2 MONITOR HEAT TRACE LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942667
HL	241	037	WTE	LOOP	250		250	TK 35 WTE WORK SLAB TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941339
HL	241	035	WTE	LOOP	254		254	TK 35 WTE RISER D1 TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300416
HL	241	035	WTE	TE	254		B	THERMOCOUPLE D1 RISER	0 / 5	IN		WMWE-14906				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011493
HL	241	035	WTE	TE	254		C	THERMOCOUPLE D1 RISER	0 / 11	IN		WMWE-14906				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011494
HL	241	035	WTE	TE	254		D	THERMOCOUPLE D1 RISER	0 / 17	IN		WMWE-14906				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011495
HL	241	035	WTE	TE	254		E	THERMOCOUPLE D1 RISER	0 / 35	IN		WMWE-14906				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011496
HL	241	035	WTE	TE	254		G	THERMOCOUPLE D1 RISER	0 / 132	IN		WMWE-13026A				☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80011497
HL	241	035	WTE	LOOP	255		255	TK 35 WTE RISER D2 TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941329
HL	241	035	WTE	LOOP	256		256	TK 35 WTE RISER D3 TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941333
HL	241	035	WTE	LOOP	257		257	TK 35 WTE RISER D4 TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941334

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 185FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL		241-935	WTE	LOOP	258		258	TK 35 WTE BOTTOM PLATE TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941326
HL		241-935	WTE	LOOP	259		259	TK 35 WTE BOTTOM PLATE TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941325
HL		241-935	WTE	LOOP	260		260	TK 35 WTE REEL TAPE LEVEL LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941328
HL		241-935	WTE	LOOP	262		262	TK 35 WTE RISER A1 DIPTUBE LEVEL LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300106
HL		241-935	WTE	LOOP	263		263	TK 35 WTE RISER C2 VAMP ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941335
HL		241-935	WTE	LOOP	271		271	TK 35 WTE BASE SLAB TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941105
HL		241-935	WTE	LOOP	273		273	TK 35 WTE IN TANK LEVEL ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26371201
HL		241-935	WTE	LOOP	286		286	TK 35 WTE TANK SIDEWALL TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941327
HL		241-935	WTE	LOOP	287		287	TK 35 WTE TANK SIDEWALL TEMPERATURE LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941324
HL		241-935	WTE	LOOP	288		288	TK 35 WTE RISER A2 LEVEL ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941331
HL		241-935	WTE	LOOP	289		289	TK 35 WTE RISER A4 LEVEL ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941332
HL		241-935	WTE	LOOP	290		290	TK 35 WTE RISER A3 LEVEL ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941319
HL		241-935	WTE	LOOP	291		291	TK 35 WTE CENTER ANNULUS LEVEL ALARM LOOP						M- M6-H- 8722	W449559	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941330
HL		241-938	WTE	LOOP	300			TK 38 WTE WORK SLAB TEMPERATURE LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941625
HL		241-938	WTE	LOOP	303			TK 38 WTE BOTTOM PLATE TEMPERATURE LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941622
HL		241-938	WTE	LOOP	304			TK 38 WTE BOTTOM PLATE TEMPERATURE LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941623

(FL & FM - F Tank Farm) (HA 2904-5) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 12:33:01 PM
Page 105FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HL	241-936	WTE	LOOP		305			TK 36 WTE RISER D1 TEMPERATURE LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941619
HL	241-936	WTE	LOOP		306			TK 36 WTE RISER E2 TEMPERATURE LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941616
HL	241-936	WTE	LOOP		307			TK 36 WTE RISER D3 TEMPERATURE LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941617
HL	241-936	WTE	LOOP		308			TK 36 WTE RISER D4 TEMPERATURE LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941618
HL	241-936	WTE	LOOP		309			TK 36 WTE REEL TAPE LEVEL LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941614
HL	241-909	WTE	LOOP		3099			TK 9 RISER 3 WTE TRANSFER JET RISER LEVEL LOOP						M- M6-H- 9338	W713775	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP		3105			TK 9 RISER 5 WTE TEMPERATURE LOOP						M- M6-H- 9338	W721241	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP		3108			TK 9 WTE RADIATION ALARM LOOP						M- M6-H- 9338	W710084	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP		3107			TK 9 RISER 5 WTE REEL TAPE LOOP						M- M6-H- 9338	W721241	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-936	WTE	LOOP		311			TK 36 WTE RISER C2 RADN MONITOR ALARM LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941626
HL	241-910	WTE	LOOP		3115			TANK 10 STEEL WALL TEMPERATURE ALARM LOOP						M- M6-H- 9333	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-936	WTE	LOOP		312		312	TK 36 WTE RISER B3 IN TANK LEVEL ALARM LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300115
HL	241-910	WTE	LOOP		3123			TANK 10 HIGH LEVEL ALARM LOOP						M- M6-H- 9333	W721222	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP		3124			TANK 10 RISER 2 LEVEL CONDUCTIVITY PROBE LOOP						M- M6-H- 9333	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP		3129			TANK 10 AREA HIGH RADIATION ALARM LOOP						M- M6-H- 9333	W705475	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP		3130			TANK 10 RISER 5 REEL TAPE LOOP						M- M6-H- 9333	W721222	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
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FC = Functional Class
OL N = Old Loop Number
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AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
		HL	241-912	WTE	LOOP		3165	TK 12 STEEL WALL TEMPERATURE ALARM LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-912	WTE	LOOP		3173	TK 12 RISER 4 HIGH HIGH LEVEL ALARM LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-912	WTE	LOOP		3174	TK 12 TRANSFERJET RISER CONDUCTIVITY PROBE LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-912	WTE	LOOP		3180	TK 12 TEMPERATURE INDICATION LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-912	WTE	LOOP		3181	TK 12 RADIATION INDICATION/ALARM LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-912	WTE	LOOP		3182	TK 12 REEL TAPE LEVEL ALARM/INDICATING LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-923	WTE	LOOP		3198	TANK 23 SIDEWALL SUMP PUMP LOW PRESSURE LOOP						M- M6-H- 8324	S5219639	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
		HL	241-936	WTE	LOOP		321	TK 36 WTE BASE SLAB TEMPERATURE LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941624
		HL	241-929	WTE	LOOP		3215	TK 29 WTE STEEL WALL LOW TEMPERATURE ALARM LOOP						M- M6-H- 8690	W704206	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940295
		HL	241-930	WTE	LOOP		3240	TK 30 WTE STEEL WALL LOW TEMPERATURE ALARM LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300523
		HL	241-930	WTE	LOOP		3249	TK 30 WTE RISER H IN TANK LEVEL ALARM LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941845
		HL	241-931	WTE	LOOP		3265	TK 31 WTE STEEL WALL TEMP ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26433111
		HL	241931	WTE	TS		3265	SWT STEEL WALL LO TEMP	0 / 8	PSIG		WMWE-14357		M- M6-H- 8718	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212053 80011351
		HL	241-931	WTE	LOOP		3274	TK 31 WTE RISER H IN TANK LEVEL ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942649
		HL	241-936	WTE	LOOP		329	TK 36 WTE ANNULUS DIPTUBE ALARM LOOP						M- M6-H- 8999	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941613
		HL	241-932	WTE	LOOP		3290	TK 32 WTE STEEL WALL TEMP IND LOOP						M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26433112

(FL & FM - F Tank Farm)(IA-209H)(HE-E1F)(HG-NWTF)(HL & HM - H Tank Farm)

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I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/99
Report Run Time: 2:53:01 PM
Page 188FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241-932	WTE	LOOP		3299		3299	TK 32 WTE RISER H LEVEL ALARM LOOP						M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942166
HL	241-923	WTE	LOOP		3315		3315	TANK 23 HIGH LEVEL ALARM LOOP						M- M6-H- 9324	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-936	WTE	LOOP		335			TK 36 WTE SIDEWALL TEMPERATURE LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941620
HL	241-909	WTE	LOOP		3350			TK 9-12 WTE ANNULUS GANG VALVE LOW PRESSURE LOOP						M- M6-H- 9341	W706533	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-936	WTE	LOOP		336			TK 36 WTE SIDEWALL TEMPERATURE LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941621
HL	241-936	WTE	LOOP		337			TK 36 WTE RISER A2 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941611
HL	241-936	WTE	LOOP		338			TK 36 WTE RISER A4 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941612
HL	241-936	WTE	LOOP		339			TK 36 WTE RISER A3 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941610
HL	241-936	WTE	LOOP		340			TK 36 WTE CENTER ANNULUS LEVEL ALARM LOOP						M- M6-H- 8909	W449928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941615
HL	241-025	WTE	LOOP		3481		3481	TK 35-37 ANNULUS GANG VALVE JET FV POSN LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940373
HL	241-025	WTE	LOOP		3482		3482	TK 35-37 ANNULUS GANG VALVE VENT FV POSN LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940374
HL	241-025	WTE	LOOP		3483		3483	TK 35-37 ANNULUS GANG VALVE AIR FV POSN LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940372
HL	241-025	WTE	LOOP		3484		3484	TK 35-37 ANNULUS GANG VALVE STEAM FV POSN LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940375
HL	241-025	WTE	LOOP		3485		3485	TK 35-37 ANNULUS GANG VALVE CONTROL LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940392
HL	241-025	WTE	LOOP		3486		3486	TK 35-37 ANNULUS GANG VALVE CONTROL LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940361
HL	241-025	WTE	LOOP		3488		3488	TK 35-37 ANNULUS GV AIR BLOW VALVE CONTROL LOOP						M- M6-H- 9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26688401

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date - 1/15/95
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HL	241025	WTE	PSL		3468			SWT ANN GV LOW STEAM PRES	0 / 65	PSIG		WMWE-14357		M-M6-H-9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212276 80011536
HL	241-025	WTE	LOOP		3480		3480	TK 35-37 ANNULUS GANG VALVE JET PRESS LOOP						M-M6-H-9005	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26688701
HL	241-935	WTE	LOOP		3489		3489	TK 36 WTE H2 MONITOR ALARM LOOP						M-M6-H-8722	104H7695	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212301
HL	241-935	WTE	LOOP		3494		3494	TK 35 WTE KNUCKLE PLATE TEMPERATURE LOOP						M-M6-H-8722	W449659	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26372801
HL	241-935	WTE	LOOP		3497		3497	TK 36 WTE H2 MONITOR HI/LOW FLOW ALARM LOOP						M-M6-H-8722	104H7695	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941318
HL	241-937	WTE	LOOP		350			TK 37 WTE WORK SLAB TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942425
HL	241-937	WTE	LOOP		353			TK 37 WTE TANK BOTTOM PLATE TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942332
HL	241-937	WTE	LOOP		354			TK 37 WTE TANK BOTTOM PLATE TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942333
HL	241-937	WTE	LOOP		356			TK 37 WTE REEL TAPE LEVEL LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26451067
HL	241-937	WTE	LOOP		358			TK 37 WTE RISER C3 VAMP ALARM LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942418
HL	241-937	WTE	LOOP		361			TK 37 WTE RISER E2 IN TANK LEVEL ALARM LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300603
HL	241-937	WTE	LOOP		362			TK 37 WTE RISER D1 TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300127
HL	241-937	WTE	LOOP		363			TK 37 WTE RISER D2 TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942334
HL	241-937	WTE	LOOP		364			TK 37 WTE RISER D3 TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942335
HL	241-937	WTE	LOOP		365			TK 37 WTE RISER D4 TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942336
HL	241-937	WTE	LOOP		370			TK 37 WTE BASE SLAB TEMPERATURE LOOP						M-M6-H-9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942424

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 160FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE			
HL	241-937	WTE	LOOP		379					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942417
HL	241-937	WTE	LOOP		385					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942330
HL	241-937	WTE	LOOP		386					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942331
HL	241-937	WTE	LOOP		387					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942414
HL	241-937	WTE	LOOP		388					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942415
HL	241-937	WTE	LOOP		389					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942413
HL	241-937	WTE	LOOP		390					M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942416
HL	241935	WTE	FIS		3947					M- M6-H- 8722	W700822	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212219 80011488
HL	241-929	WTE	LOOP		5126		5126X			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940282
HL	241-929	WTE	LOOP		5127		5127X			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940281
HL	241-929	WTE	LOOP		5128		5128X			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26385901
HL	241-929	WTE	LOOP		5129		5128F			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940286
HL	241-929	WTE	LOOP		5130		29TC7-18			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26688201
HL	241-929	WTE	LOOP		5135		5135L			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940292
HL	241-929	WTE	LOOP		5136		5136L			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940287
HL	241-929	WTE	LOOP		5137		5137L			M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940289

(FL & FM - F Tank Farm) (HA-2994) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 181FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241-929	WTE	LOOP		5138		5138L	TK 29 WTE RISER A4 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940288
HL	241-929	WTE	LOOP		5139		5139L	TK 29 WTE RISER H TANK HIGH LEVEL ALARM LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300624
HL	241-929	WTE	LOOP		5146		5146L	TK 29 WTE ANNULUS DIPTUBE LEVEL LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940286
HL	241-929	WTE	LOOP		5148		5148L	TK 29 RISER E2 REEL TAPE H/HI-HI/LO/FAILURE LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26451265
HL	241-929	WTE	LOOP		5153		29TC20-22	TK 29 WTE RISER D1 TEMP IND/HI/LO TEMP ALARM LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940283
HL	241-929	WTE	LOOP		5154		29TC26-28	TK 29 WTE RISER D2 TEMP IND/HI/LO TEMP ALARM LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940285
HL	241-929	WTE	LOOP		5155		29TC23-25	TK 29 WTE RISER D3 TEMP IND/HI/LO TEMP ALARM LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940284
HL	241-929	WTE	LOOP		5156		29TC29-31	TK 29 WTE RISER D4 TEMPERATURE INDICATION LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940291
HL	241-929	WTE	LOOP		5159		231T	TK 29 WTE BASE PLATE TEMPERATURE INDICATION LOOP						M- M6-H- 8690	W448409	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26940290
HL	241-936	WTE	LOOP		526			TK 36 WTE H2 MONITOR ALARM LOOP						M- M6-H- 8699	EE4H7696	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941608
HL	241-936	WTE	LOOP		527			TK 36 WTE H2 MONITOR LOW FLOW ALARM LOOP						M- M6-H- 8699	EE4H7696	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941609
HL	241936	WTE	HS		527			TK 36 WTE H2 MONITOR SAMPLE FLOW IND SWITCH	25 / 1.75	INWC		WMWE-14413		M- M6-H- 8699	W700823	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212329 80011579
HL	241-936	WTE	LOOP		536			TK 36 WTE KNUCKLE PLATE TEMPERATURE LOOP						M- M6-H- 8699	W448928	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941633
HL	241-937	WTE	LOOP		569			TK 37 WTE H2 MONITOR SAMPLE ANALYSIS ALARM LOOP						M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300802
HL	241-937	WTE	LOOP		574			TK 37 WTE KNUCKLE PLATE TEMPERATURE LOOP						M- M6-H- 9003	W700186	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26376901
HL	242-001	WTE	LOOP		582			TK 37 WTE H2 MONITOR SAMPLE FLOW ALARM LOOP						M- M6-H- 9003	EE4H7697	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26377401

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:33:01 PM
Page 162FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HL	241-930	WTE	LOOP	6255	6255LT			TK 30 WTE REEL TAPE LEVEL LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26451266
HL	241-930	WTE	LOOP	6256	6856XS			TK 30 WTE TANK TOP RADIATION MONITOR LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941894
HL	241-930	WTE	LOOP	6257	6257XS			TK 30 WTE RISER C2 RADIATION MONITOR LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941893
HL	241-930	WTE	LOOP	6262	6262LT			TK 30 WTE DIPTUBE LEVEL LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941895
HL	241-930	WTE	LOOP	6263	6263XT			TK 30 WTE H2 MONITOR LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941891
HL	241-930	WTE	LOOP	6264	6263FS			TK 30 WTE H2 MONITOR SAMPLE FLOW LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941892
HL	241930	WTE	FS	6264				SWT H2 ANYZR LO FLOW PRES	25 / 1 75	INWC		WMWE-14413		M- M6-H- 8716	W705478	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211991 80011300
HL	241-930	WTE	LOOP	6270	6270L			TK 30 WTE RISER A1 LEVEL LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941898
HL	241-930	WTE	LOOP	6271	6271L			TK 30 WTE RISER A2 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941848
HL	241-930	WTE	LOOP	6272	6272L			TK 30 WTE RISER A3 ANNULUS LEVEL LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941846
HL	241-930	WTE	LOOP	6273	6273L			TK 30 WTE RISER A4 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941847
HL	241-930	WTE	LOOP	6283	30TC30			TK 30 WTE RISER D4 TEMPERATURE LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941851
HL	241-930	WTE	LOOP	6286	30TC21			TK 30 WTE RISER D1 TEMPERATURE LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300467
HL	241-930	WTE	LOOP	6287	30TC25			TK 30 WTE RISER D2 TEMPERATURE LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941849
HL	241-930	WTE	LOOP	6288	30TC26			TK 30 WTE RISER D3 TEMPERATURE LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941850
HL	241-930	WTE	LOOP	6289	30TC10			TK 30 WTE TANK BOTTOM TEMPERATURE LOOP						M- M6-H- 8716	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26941897

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

LIX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 11/6/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR		IDP #			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			ASSIGNED NO.	
HL	241-012	WTE	LOOP		6486			TK 12 RISER S ANNULUS LEVEL ALARM LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-012	WTE	LOOP		6487			TK 12 RISER N ANNULUS LEVEL ALARM LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-031	WTE	LOOP		6555		6555	TK 31 WTE REEL TAPE LEVEL IND/ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942659	
HL	241-031	WTE	LOOP		6556		6556X	TK 31 WTE TANK TOP CENTER RADN MONITOR ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942656	
HL	241-031	WTE	LOOP		6557		6557X	TK 31 WTE RISER C2 RADN MONITOR IND/ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26329905	
HL	241-031	WTE	LOOP		6562		6562L	TK 31 WTE RISER A2 ANNULUS DIPTUBE LEVEL LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942657	
HL	241-031	WTE	LOOP		6563		6563	TK 31 WTE H2 MONITOR ANALYSIS IND/ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942655	
HL	241-031	WTE	LOOP		6564			TK 31 WTE H2 MONITOR LOW FLOW ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942673	
HL	241031	WTE	FS		6564			TK 31 WTE H2 MONITOR SAMPLE FLOW IND SWITCH	25 / 1.75	INWC		WMWE-14413		M- M6-H- 8718	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212073 80011368	
HL	241-031	WTE	LOOP		6570		6570	TK 31 WTE RISER A1 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942650	
HL	241-031	WTE	LOOP		6571		6571	TK 31 WTE RISER A2 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942658	
HL	241-031	WTE	LOOP		6572		6572	TK 31 WTE RISER A3 ANNULUS LEVEL ALARM LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942646	
HL	241-031	WTE	LOOP		6573		6573	TK 31 WTE RISER A4 ANNULUS LEVEL LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942671	
HL	241-031	WTE	LOOP		6582		31TC	TK 31 WTE TANK BOTTOM TEMP IND LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942654	
HL	241-031	WTE	LOOP		6583		31TC	TK 31 WTE RISER D1 INTERIOR TEMP IND LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942651	
HL	241-031	WTE	LOOP		6584		31TC	TK 31 WTE RISER D2 INTERIOR TEMP IND LOOP						M- M6-H- 8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942647	

(FL & FM - F Tank Farm)(HA 200H)(HE-ETF)(HG NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W OF OTHER TYPE		ASSIGNED NO.	IDP #
HL	241-931	WTE	LOOP	6585	31TC	TK 31 WTE RISER D3 INTERIOR TEMP IND LOOP					M-M6-H-8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942648
HL	241-931	WTE	LOOP	6586	31TC	TK 31 WTE RISER D4 INTERIOR TEMP IND LOOP					M-M6-H-8718	W840450	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942652
HL	241-932	WTE	LOOP	6855	6855	TK 32 WTE REEL TAPE LEVEL IND/ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26451268
HL	241-932	WTE	LOOP	6856	6856	TK 32 WTE CENTER VAMP RADN IND/ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942172
HL	241-932	WTE	LOOP	6857	6857	TK 32 WTE NORTH VAMP RADN IND/ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942171
HL	241-932	WTE	LOOP	6862	6862	TK 32 WTE RISER A2 LEVEL INDICATING LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942173
HL	241-932	WTE	LOOP	6863	6563X	TK 32 WTE H2 MONITOR ANALYSIS IND/ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942170
HL	241-932	WTE	LOOP	6864	6863FS	TK 32 WTE H2 MONITOR FLOW ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-932	WTE	FS	6864		TK 32 WTE H2 MONITOR SAMPLE FLOW IND SWITCH	25 / 1.75	INWC	WMWE-14413		M-M6-H-8720	W236601	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212152 80011439
HL	241-932	WTE	LOOP	6868	6868	TK 32 WTE RISER A4 KNUCKLE TEMP IND LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942168
HL	241-932	WTE	LOOP	6870	6870	TK 32 WTE RISER A1 LEVEL ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942167
HL	241-932	WTE	LOOP	6871	6871	TK 32 WTE RISER A2 LEVEL ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942174
HL	241-932	WTE	LOOP	6872	6872	TK 32 WTE RISER A3 LEVEL ALARM LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942161
HL	241-932	WTE	LOOP	6873	6873L	TK 32 WTE RISER A4 LEVEL LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-932	WTE	LOOP	6882	32TC	TK 32 WTE TANK BOTTOM TEMP IND LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942169
HL	241-932	WTE	LOOP	6883	32TC1	TK 32 WTE WORKING SLAB TEMPERATURE LOOP					M-M6-H-8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SF	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N				M TYPE	W or OTHER TYPE			
HL	241-932	WTE	LOOP	6884	32TC	TK 32 WTE RISER D1 INTERIOR TEMP IND LOOP					M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942164
HL	241-932	WTE	LOOP	6885	32TC	TK 32 WTE RISER D2 INTERIOR TEMP IND LOOP					M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942162
HL	241-932	WTE	LOOP	6886	32TC	TK 32 WTE RISER D3 INTERIOR TEMP IND LOOP					M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942163
HL	241-932	WTE	LOOP	6887	32TC	TK 32 WTE RISER D4 INTERIOR TEMP IND LOOP					M- M6-H- 8720	W842031	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26942165
HL	241-909	WTE	LOOP	6973		TK 9 EAST RISER WTE TEMPERATURE LOOP					M- M6-H- 9338	W736333	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP	6974		TK 9 SOUTH RISER WTE ANNULUS LEVEL LOOP					M- M6-H- 9338	W736333	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP	6975		TK 9 RISER 1 WTE TEMPERATURE LOOP					M- M6-H- 9338	W736333	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP	6976		TK 9 WEST RISER WTE ANNULUS LEVEL LOOP					M- M6-H- 9338	W736333	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-909	WTE	LOOP	6977		TK 9 WEST RISER WTE ANNULUS TEMPERATURE LOOP					M- M6-H- 9338	W736333	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7238		TK 15 WTE NORTH ANNULUS LEVEL LOOP					M- M6-H- 9140	W727983	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7237		TK 15 WTE 3" RISER TANK TEMPERATURE LOOP					M- M6-H- 9140	W721223	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7238		TK 15 WTE REEL TAPE LEVEL LOOP					M- M6-H- 9140	W721223	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7240		TK 15 WTE SOUTH ANNULUS LEVEL LOOP					M- M6-H- 9140	W727983	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7241		TK 15 WTE RADIATION MONITOR ALARM LOOP					M- M6-H- 9140	W727988	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7242		TK 15 WTE 3" RISER TANK LEVEL ALARM LOOP					M- M6-H- 9140	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7249	308STR3	TK 15 WTE STEEL WALL TEMPERATURE ALARM LOOP					M- M6-H- 9141	W705425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HL	241-915	WTE	LOOP	7251	7852PS1			TK 15 WTE GANG VALVE CONTROL LOOP						M- M6-H- 9142	W727994	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7253	7253PS2			TK 15 WTE GANG VALVE CONTROL LOOP						M- M6-H- 9142	W727994	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7254	7252PS3			TK 15 WTE GANG VALVE CONTROL LOOP						M- M6-H- 9142	W727994	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-915	WTE	LOOP	7255	3005PS3			TK 15 WTE ANNULUS GANG VALVE CONTROL LOOP						M- M6-H- 9143	W703900	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-912	WTE	LOOP	7688	7688			TK 12 ANNULUS LEVEL INDICATION LOOP						M- M6-H- 9329	W705477	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	WTE	LOOP	7870	7870			TANK 23 REEL TAPE LEVEL LOOP						M- M6-H- 9324	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	WTE	LOOP	7872	7872			TANK 23 LEAK DETECTION SUMP LEVEL LOOP						M- M6-H- 9324	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	WTE	LOOP	8212				TANK 23 SUPERNATE TEMPERATURE LOOP						M- M6-H- 9324	W231155	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-923	WTE	LOOP	8213	7865			TANK 23 RADIATION MONITOR LOOP						M- M6-H- 9324	W718722	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP	8300				TANK 10 NORTH RISER ANNULUS LEVEL LOOP						M- M6-H- 9333	W720190	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP	8301				TANK 10 EAST RISER ANNULUS LEVEL LOOP						M- M6-H- 9333	W720190	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP	8302				TANK 10 RISER 5 TEMPERATURE LOOP						M- M6-H- 9333	W721222	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-910	WTE	LOOP	8309				TANK 10 WEST RISER ANNULUS LEVEL LOOP						M- M6-H- 9333	W720190	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241000	WTS	LS					SWT CATCH TK HI LVL	0 / 50	INWC		WMWE-17086			W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210803 80010148
HL	241035	WTS	PS					SWT PRES	0 / 185	PSI						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210852 80010304
HL	242001	WTS	LS					SWT LVL ALARM HI HI (PT-2)	0 / 88	IN		WMWE-17048			SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213118 80012208

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

L-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #
HL	242001	WTS	LS					SWT LVL ALARM HI (PT-2)	0 / 80	IN		WMWE-17048		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213119 80012209
HL	242001	WTS	LSL					SWT LVL ALARM LO (PT-2)	0 / 18	IN		WMWE-17048		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213120 80012210
HL	242001	WTS	LSLL					SWT LVL ALARM LO LO (PT-2)	0 / 14	IN		WMWE-17048		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213121 80012211
HL	242001	WTS	TS					SWT TEMP (PT-4)	0 / 70	DEGC		WMWE-SP-2322		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213122 80012212
HL	242001	WTS	TS					SWT TEMP (PT-2)	0 / 70	DEGC		WMWE-SP-2320		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213123 80012213
HL	242001	WTS	TS					SWT TEMP (PT-3)	0 / 70	DEGC		WMWE-SP-2321		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213124 80012214
HL	242001	WTS	LSHH					SWT LVL ALARM HI HI (PT-3)	0 / 68	IN		WMWE-17049		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213125 80012215
HL	242001	WTS	LSH					SWT LVL ALARM HI (PT-3)	0 / 80	IN		WMWE-17049		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213126 80012216
HL	242001	WTS	LSL					SWT LVL ALARM LO (PT-3)	0 / 18	IN		WMWE-17049		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213127 80012217
HL	242001	WTS	LSLL					SWT LVL ALARM LO LO (PT-3)	0 / 14	IN		WMWE-17049		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213128 80012218
HL	242001	WTS	LS					SWT LVL ALARM HI HI (PT-4)	0 / 88	IN		WMWE-17050		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213129 80012219
HL	242001	WTS	LS					SWT LVL ALARM HI (PT-4)	0 / 60	IN		WMWE-17050		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213130 80012220
HL	242001	WTS	LSLL					SWT LVL ALARM LO LO (PT-4)	0 / 14	IN		WMWE-17050		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213132 80012221
HL	242001	WTS	IS					SWT PT-2 MOTOR CURRENT	0 / 20	ma		WMWE-SP-2825		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213144 80012232
HL	242001	WTS	IS					SWT PT-3 MOTOR CURRENT	0 / 20	ma		WMWE-SP-2826		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213145 80012233
HL	242001	WTS	IS					SWT PT-4 MOTOR CURRENT	0 / 20	ma		WMWE-17072		SSK-5-2-4265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213146 80012234

(FL & FM - F Tank Farm) (HA 2804) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/18/95
Report Run Time: 2:23:01 PM
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OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR		IDP #						
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	Required	Complete	Not Required	Incomplete	Undetermined	Information Only	ASSIGNED NO.	IDP #
HL		242001	WTS	LSL				SWT LVL ALARM LO (PT-4)	0 / 18	IN		WMWE-17050			SSK-5-2-4265	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		26213148 80012236
HL		241-035	WTS	LOOP		1464		HPP-1 SUMP LEVEL LOOP						M- M6-H- 8904	SK524265	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1465		HPP-2 TANK LIQUID LEVEL LOOP						M- M6-H- 8903	SK524265	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1467		HPP-3 TANK LIQUID LEVEL LOOP						M- M6-H- 8902	W163440	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1469		HPP-4 TANK LIQUID LEVEL LOOP						M- M6-H- 8901	W163440	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1470		HPP-4 SUMP LEVEL LOOP						M- M6-H- 8901	W163440	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1471		HDB-2 SUMP CONDUCTIVITY PROBE LOOP						M- M6-H- 8900	W701159	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		1472		HDB-2 LIQUID LEVEL LOOP						M- M6-H- 8900	SK524265	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-058	WTS	LOOP		1520		HDB-6 SUMP GANG VALVE CONTROL LOOP						M- M6-H- 8894	W712680	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-921	WTS	LOOP		2035	7258LS	TK 21 RISER S SPRAY CHAMBER LEVEL ALARM HIGH LOOP						M- M6-H- 8899	W716535	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-913	WTS	LOOP		3005		*TKS 13,14,15 GANG VALVE CONTROL LOOP						M- M6-H- 8910	W703900	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-027	WTS	LOOP		3342		DB-4 GANG VALVE AREA RADIATION MONITORS LOOP						M- M6-H- 8747	W238013	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-027	WTS	LOOP		3343		DB-4 SUMP LEVEL ALARM LOOP						M- M6-H- 8747	W238013	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-027	WTS	LOOP		3344		DB-4 SUMP LEVEL LOOP						M- M6-H- 8747	W238013	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-910	WTS	LOOP		3350		TANKS 9-12 GANG VALVE CONTROL LOOP						M- M6-H- 8906	W706533	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		
HL		241-035	WTS	LOOP		3365		HDB-2 GANG VALVE CONTROL LOOP						M- M6-H- 8905	W163440	☐ Required	☐ Complete	☐ Not Required	☒ Incomplete	☒ Undetermined	☐ Information Only		

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
M = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
LC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W or OTHER TYPE			
HL	241-000	WTS	LOOP	3368							M- M6-H- 8809	W145854	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-052	WTS	LOOP	3390							M- M6-H- 8897	S524288	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-058	WTS	LOOP	3400							M- M6-H- 8895	W700165	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-058	WTS	LOOP	3401							M- M6-H- 8895	W700168	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-058	WTS	LOOP	3411							M- M6-H- 8894	W700166	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3488							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3470							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3471							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3472							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3478							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3479							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-025	WTS	LOOP	3482							M- M6-H- 8896	W449451	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-027	WTS	LOOP	5100							M- M6-H- 8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-027	WTS	LOOP	5101							M- M6-H- 8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-027	WTS	LOOP	5102							M- M6-H- 8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HL	241-027	WTS	LOOP	5103							M- M6-H- 8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA-290H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FC = Functional Class
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LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N				M TYPE	W or OTHER TYPE			ASSIGNED NO.	IDP #
HL	241-027	WTS	LOOP	5107							M-M6-H-8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-027	WTS	LOOP	5108							M-M6-H-8747	W238013	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-052	WTS	LOOP	6000							M-M6-H-8898	W743741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-052	WTS	LOOP	6001							M-M6-H-8898	W743741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-052	WTS	LOOP	6002							M-M6-H-8898	W743741	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-003	WTS	LOOP	6003							M-M6-H-8899	S521341	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-003	WTS	LOOP	6004							M-M6-H-8899	S521341	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6011							M-M6-H-8901	W163440	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6012							M-M6-H-8901	SK524265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6013							M-M6-H-8900	W701159	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6014							M-M6-H-8902	W163440	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6015							M-M6-H-8902	W163440	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6016							M-M6-H-8902	SK524265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6017							M-M6-H-8902	SK524265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6018							M-M6-H-8903	SK524265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
HL	241-035	WTS	LOOP	6019							M-M6-H-8903	SK524265	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN FC A BLDG SYS RUN SEQ SUB OLN DESCRIPTION SP U A/I MAINT PROC OPS PROC M TYPE W or OTHER TYPE

Basic Requirements and Info Status

IPL COORDINATOR ASSIGNED NO. IPR #

FC = Functional Class
OL N = Old Loop Number
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M = Alarm/Interlock
LOOP = Loop description

HL 241-035 WTS LOOP	6020	HPP-2 SUMP LEVEL LOOP	M-M6-H-8903	SK524265	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-035 WTS LOOP	6021	HOB-2 AREA RADIATION MONITOR LOOP	M-M6-H-8904	W163440	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-035 WTS LOOP	6024	HPP-1 SUMP CONDUCTIVITY PROBE LOOP	M-M6-H-8904	SK524265	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6029	HOB-1 AREA RADIATION MONITOR LOOP	M-M6-H-8907	SS-2-482	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6030	HOB-1 SUMP CONDUCTIVITY PROBE LOOP	M-M6-H-8907	SS-2-482	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6031	HOB-1 SUMP LEVEL LOOP	M-M6-H-8907	SS-2-482	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6032	241H CATCH TANK LEVEL LOOP	M-M6-H-8909	W145854	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6033	241H CATCH TANK SUMP CONDUCTIVITY LOOP	M-M6-H-8909	W145854	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6034	241H CATCH TANK SUMP LEVEL LOOP	M-M6-H-8909	W145854	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-000 WTS LOOP	6081	241H CATCH TANK HIGH LEVEL LOOP	M-M6-H-8909	W145854	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-003 WTS LOOP	8789	HOB-3 SUMP CONDUCTIVITY PROBE LOOP	M-M6-H-8909	SS21341	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				
HL 241-120 WW LOOP	2008	WELL WATER HOSE CONN HEAT TRACE TEMPERATURE LOOP	M-M6-H-8970	SS27829	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				26943228
HL 241070 AFM PS		SWT EXH CAM LOW FLOW	WMWE-14376	W713825	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				26211018 80010455
HL 242018 AFM PS		SWT VENT CAM BLOWER DP	HLWM-14378	W701062	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				26213262 80012322
HL 241-838 BA LOOP	2003	1488PS TK 38 BA SUPPLY STATION LOW PRESSURE ALARM LOOP	M-M6-H-8248	D148226	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				26381001
HL 241-838 BA LOOP	2008	1488PS TK 38 BA SUPPLY STATION LOW PRESSURE ALARM LOOP	M-M6-H-8248	D148226	☐ Required ☒ Not Required ☒ Incomplete ☐ Information Only				26384201

FL & FM - F Tank Farm (HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)
SORT BY AREA SYSTEM SEQ. NUMBER-OLD LOOP NUMBER-OLD LOOP NUMBER-IP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAIDS ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

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OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN							M TYPE	W or OTHER TYPE			
HM		241-942	BA	LOOP	2009	1492PS					M- M6-H- 8248	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26673201
HM		241-940	BA	LOOP	2012	1490PS					M- M6-H- 8248	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26387101
HM		241-941	BA	LOOP	2017	1490PS					M- M6-H- 8249	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26870401
HM		241-943	BA	LOOP	2020	1493PS					M- M6-H- 8249	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26876401
HM		242-016	BA	LOOP	2021	1280PA					M- M6-H- 8249	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26336301
HM		242-016	BA	LOOP	2024						M- M6-H- 8249	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26336601
HM		241-948	BA	LOOP	2027						M- M6-H- 8250	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26676701
HM		241-949	BA	LOOP	2030						M- M6-H- 8250	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26679601
HM		241-950	BA	LOOP	2033						M- M6-H- 8250	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26682301
HM		241-951	BA	LOOP	2038	1497PS					M- M6-H- 8250	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26684801
HM		241-098	BA	LOOP	2039						M- M6-H- 8251	W748486	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26925965
HM		241-098	BA	LOOP	2042						M- M6-H- 8251	W748486	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922201
HM		241-098	BA	LOOP	2045						M- M6-H- 8251	W748486	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26925964
HM		241-098	BA	LOOP	2048						M- M6-H- 8251	W748486	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26925962
HM		241-098	BA	LOOP	2051						M- M6-H- 8251	W748486	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26925963
HM		241-098	BA	LOOP	2052						M- M6-H- 8251	D149226	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26925968

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N	EC A	BLDG	SYS	FUN	SEQ	SUB	QLN	DESCRIPTION	SE	U	A/I	MAINT	PROC.	OPS	PROC.	M TYPE	W or OTHER TYPE	REFERENCE DRAWINGS	Basic Requirements and Info Status	IPL COORDINATOR	ASSIGNED NO.	IDP #
																M-M6-H	8252	W822698	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26928006	
								FLTR BLDG BA STATION NO 8 LOW PRESSURE ALARM LOOP														
																M-M6-H	8252	W822698	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26106301	
								FLTR BLDG BA STATION NO 8 LOW PRESSURE ALARM LOOP														
																M-M6-H	8252	W822698	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26106501	
								FLTR BLDG BA STATION NO 7 LOW PRESSURE ALARM LOOP														
																M-M6-H	8252	W822698	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26106401	
								FLTR BLDG BA STATION NO 8 LOW PRESSURE ALARM LOOP														
																M-M6-H	8348	W800302	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923455	
								TK 41 RISER B5 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8348	W800303	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923458	
								TK 41 RISER B1 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8348	W800301	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923459	
								BEARING WATER HEADER FLOW LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26111101	
								BEARING WATER HEADER PRESSURE INDICATION LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26111201	
								TK 48 RISER H BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923452	
								TK 48 RISER V2 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923449	
								TK 48 RISER V1 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923472	
								TK 48 RISER G BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8350	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923451	
								TK 48 RISER B4 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8351	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923453	
								TK 48 RISER B5 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8351	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923454	
								TK 48 RISER B1 BW PRESSURE LOW ALARM LOOP														
																M-M6-H	8351	W728796	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☐ Incomplete ☐ Information Only		26923450	

(FL & FM - F Tank Farm)(NA-2800)(H-E-ETF)(H-G-NWTF)(H & HM - H Tank Farm)

SORT BY AREA SYSTEM SEQ NUMBER-SEQ SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

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Page: 204FC = Functional Class
OL N = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN						DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status	IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB						M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HM	241-949	BW	LOOP	2074	8645	TK 40 RISER B1 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8352	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923460
HM	241-949	BW	LOOP	2079	8646	TK 40 RISER V2 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8352	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923461
HM	241-949	BW	LOOP	2083	8647	TK 40 RISER V1 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8352	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923462
HM	241-949	BW	LOOP	2086	8648	TK 40 RISER B5 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8353	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923463
HM	241-949	BW	LOOP	2091	8649	TK 40 RISER B4 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8353	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923464
HM	241-949	BW	LOOP	2094	8650	TK 40 RISER B3 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8353	W742838	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923465
HM	241-950	BW	LOOP	2106	1932	TK 50 RISER B3 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8354	W839363	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923470
HM	241-950	BW	LOOP	2110	8830	TK 50 RISER B6 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8354	W749897	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923468
HM	241-950	BW	LOOP	2117	1942	TK 50 RISER E1 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8354	W839364	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923469
HM	241-942	BW	LOOP	2121	7452	TK 42 RISER H BW PRESSURE LOW ALARM LOOP						M- M6-H- 8355	W730127	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923471
HM	241-951	BW	LOOP	2145	7772	TK 51 RISER B4 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8357	W738046	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923458
HM	241-951	BW	LOOP	2150	7752	TK 51 RISER H BW PRESSURE LOW ALARM LOOP						M- M6-H- 8357	W738044	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923457
HM	241-951	BW	LOOP	2158	7792	TK 51 RISER Q BW PRESSURE LOW ALARM LOOP						M- M6-H- 8358	W738047	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923468
HM	241-951	BW	LOOP	2168	7762	TK 51 RISER B1 BW PRESSURE LOW ALARM LOOP						M- M6-H- 8358	W738045	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923467
HM	241-942	BW	LOOP	5121	7470	BEARING WATER TANK LEVEL CONTROL LOOP						M- M6-H- 8347	W733331	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26923448
HM	241049	CHW	PS			SWT CW LO PRES		0 / 20	PSIG	WMWE-14357			W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	28210880 80010341

(FL & FM - F Tank Farm) (HA 2904-5) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	AL	BLDG	SYS	FUN	SEQ	SUB	QLN	DESCRIPTION	SP	U	Δ/I	MAINT. PROC.	OPS PROC.	M TYPE	W. or OTHER TYPE	REFERENCE DRAWINGS	Ratio Requirements and Info Status	IPL COORDINATOR	ASSIGNED NO.	IDP #
HM	241049	CRW	LS					SWT SURGE TANK HI LVL	0 / 50	INWC		WMWE-14353			W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26210875 80010327	
HM	241049	CRW	LS					SWT SURGE TANK LO LVL	0 / 25	INWC		WMWE-14353			W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26210876 80010328	
HM	241049	CRW	LSHH					SWT SURGE TANK HI HI LVL	0 / 58	INWC		WMWE-14353			W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26210878 80010329	
HM	241049	CRW	LSI					SWT LO CHROMATE DRAIN TANK LVL	0 / 20	INWC		WMWE-14353			W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26210883 80010344	
HM	241049	CRW	LSH					SWT HI CHROMATE DRAIN TANK LVL	0 / 55	INWC		WMWE-14353			W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26210894 80010345	
HM	241049	CRW	LOOP				1327	CRW SURGE TANK WATER LEVEL INDICATOR LOOP						M-M6-H-7761	W702509		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915158	
HM	241089	CRW	LOOP				1571	CRW PPG FLOW ALARM LOOP						M-M6-H-7767	W713737		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915162	
HM	241089	CRW	LOOP					CRW PPG TEMPERATURE ALARM HIGH LOOP						M-M6-H-7767	W713737		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915413	
HM	241938	CRW	LOOP				825	TK 38 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7772	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915418	
HM	241939	CRW	LOOP				713	TK 38 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7771	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915417	
HM	241940	CRW	LOOP				803	TK 40 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7770	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915416	
HM	241941	CRW	LOOP				893	TK 41 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7769	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915415	
HM	241942	CRW	LOOP				983	TK 42 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7768	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26671101	
HM	241943	CRW	LOOP					TK 43 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7766	W702213		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26915414	
HM	241948	CRW	LOOP				4058	TK 48 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7765	W709203		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		26677501	
HM	241949	CRW	LOOP				4147	TK 49 CRW SUPPLY + RETURN TEMP INDICATOR LOOP						M-M6-H-7764	W709203		☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Incomplete ☐ Information Only		266808601	

(FL & FM: F Tank Farm)(HA: 2699-1)(HE: ETF)(HGNWTF)(HL & HM: H Tank Farm)

Sort by AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 206FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	ASSIGNED NO.	IDP #
HM		241-951	CRW	LOOP	2041		4327				M- M6-H- 7763	W709203				26685501
HM		241-950	CRW	LOOP	2042		4237				M- M6-H- 7762	W709203	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26683101
HM		241-049	CRW	LOOP	2043		1329				M- M6-H- 7761	W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26915159
HM		241-049	CRW	LOOP	2044		1325				M- M6-H- 7761	W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26915404
HM		241-049	CRW	LOOP	2045		1326PA				M- M6-H- 7761	W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26915405
HM		241049	CTW	PS								W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26210889 80010340
HM		241-049	CTW	LOOP	2000		1328				M- M6-H- 7774	W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26910246
HM		241-029	CTW	LOOP	2001						M- M6-H- 7773	W702510	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26910247
HM		241-029	CTW	LOOP	2002						M- M6-H- 7773	W702510	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26910248
HM		241-029	CTW	LOOP	2003						M- M6-H- 7773	W702510	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26910249
HM		254-004	EEP	LOOP	2000						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932205
HM		254-004	EEP	LOOP	2001						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932206
HM		254-004	EEP	LOOP	2002						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932277
HM		254-004	EEP	LOOP	2003						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932278
HM		254-004	EEP	LOOP	2004						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932279
HM		254-004	EEP	LOOP	2005						M- M6-H- 8987	W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		26932280

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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J-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 11/16/95
Report Run Time: 2:33:01 PM
Page: 207FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS M TYPE W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
HM 254-004	EEP			LOOP		2006			DIESEL ENGINE COOLANT LOW LEVEL LOOP						M- M6-H-8887 W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26932281
HM 254-004	EEP			LOOP		2007			DIESEL FUEL TANK LOW LEVEL ALARM						M- M6-H-8887 W828468	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26932282
HM 241943	FLW			PSL					SWT BFV FW PRES	0 / 80	PSIG		WMWE-14357		W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212857 80012018
HM 242016	FLW			LSLL					SWT FW TANK LO LO LVL	0 / 10	INWC		WMWE-17152		W702862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213221 80012284
HM 242018	FLW			LSH					SWT FW TANK HI LVL	0 / 50	INWC		WMWE-17152		W702862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213222 80012285
HM 242016	FLW			LSHH					SWT FW TK HI HI LVL	0 / 56	INWC		WMWE-17152		W702862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213272 80012332
HM 242016	FLW			LSL					SWT FW TK LO LVL	0 / 21	INWC		WMWE-17152		WMWE-17152	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213273 80012333
HM 241-028	FLW			LOOP		2000		4406	FLUSH WTR FILL TK LEVEL CONTROL LOOP						M- M6-H-7857 W702862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912511
HM 242-016	FLW			LOOP		2002		4409	FLUSH WTR DISCHARGE LOW PRESSURE ALARM LOOP						M- M6-H-7857 W702862	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912512
HM 241-943	FLW			LOOP		2008			TK 43 RISER R FW HIGH LEVEL CONTROL LOOP						M- M6-H-7858 W703204	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912523
HM 241943	FLW			PS		2008			SWT FEED PUMP FW PRES HI	0 / 1	PSIG		WMWE-14357		M- M6-H-7858 W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332101 80011943
HM 241-943	FLW			LOOP		5000		1081	TK 43 RISER R EVAP FEED PUMP CONTROL LOOP						M- M6-H-7858 W703204	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912532
HM 241-940	FLW			LOOP		5002		808	TK 40 RISER C3 GRAVITY DRAIN LINE BFV CONTROL LOOP						M- M6-H-7858 W703203	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912521
HM 241-942	FLW			LOOP		5008		888	TK 42 RISER C3 GRAVITY DRAIN LINE BFV CONTROL LOOP						M- M6-H-7860 W703204	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912530
HM 241-949	FLW			LOOP		5007		4145	TK 48 RISER C3 GRAVITY DRAIN LINE BFV CONTROL LOOP						M- M6-H-7861 W709552	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912528
HM 241-950	FLW			LOOP		5008		4235	TK 50 RISER C3 GDL BFV FW CONTROL LOOP						M- M6-H-7862 W709545	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912528

(FL & FM - F Tank Farm) (HA-2008-0) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:39:01 PM
Page 206FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basic Requirements		IPI COORDINATOR		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W OF OTHER TYPE		and Info Status	ASSIGNED NO.
HM	241-951	FLW	LOOP	5009			4325	TK 51 RISER C3 GDL BFV FW CONTROL LOOP						M- M6-H- 7862	W709552	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26912527
HM	242016	HV	PSH					SWT EXH VENT HEPA DP	0 / 3.5	INWC		WMWE-14376			W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213263 80012323
HM	241-939	HV	LOOP	2001			758P	TK 38 HV TANK VACUUM LOW ALARM LOOP						M- M6-H- 8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382301
HM	241-938	HV	LOOP	2002			669P1	TK 38 HV TANK VACUUM LOW ALARM LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26379401
HM	242-018	HV	LOOP	2002			1183PS1	EVAPORATOR VENTILATION FILTER HIGH DP ALARM LOOP						M- M6-H- 8689	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332501
HM	241-938	HV	LOOP	2003			670T	TK 38 HV PURGE EXHAUST CONDENSER TEMP LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928245
HM	241-939	HV	LOOP	2003			759T	TK 38 HV PURGE EXHAUST CONDENSER TEMP LOOP						M- M6-H- 8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928467
HM	241-938	HV	LOOP	2005			662PS	TK 38 HV PURGE EXHAUST FILTER DIFF PRESS LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26379001
HM	241938	HV	PDS	2005				SWT PURGE EXH HEPA HI DP	0 / 5.2	INWC		WMWE-14376		M- M6- H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300182 80013531
HM	241939	HV	PDIS	2005				SWT H2 ANYZR LO FLOW PRES	25 / 1.75	INWC		WMWE-14413		M- M6-H- 8494	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212626 80011826
HM	242-018	HV	LOOP	2005			1182XT	EVAPORATOR VENTILATION CAM RADIATION XMTR LOOP						M- M6-H- 8689	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332801
HM	242-018	HV	LOOP	2007			9713PS	EVAPORATOR VENTILATION CAM AIR FLOW LOOP						M- M6-H- 8689	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332701
HM	241-938	HV	LOOP	2008			665WA	TK 38 HV PURGE FAN OFF ALARM LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928290
HM	242-018	HV	LOOP	2008			1184WA	EVAPORATOR VENTILATION FAN FAILURE ALARM LOOP						M- M6-H- 8689	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922683
HM	241-938	HV	LOOP	2009			663XT	TK 38 HV PURGE EXHAUST HIGH ACTIVITY ALARM LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26680301
HM	241-938	HV	LOOP	2010			9714PS	TK 38 HV CAM BLOWER FAILURE ALARM LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928248

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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L-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM	241938	HV	PDS	2010	A			SWT PURGE CAM LO FLOW DP	b / 10	INWC		WMWE-14376		M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212487 80011716
HM	241938	HV	PDS	2010	B			SWT ANN CAM LO FLOW DP	0 / 10	INWC		WMWE-14376		M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212502 80011725
HM	241-938	HV	LOOP	2012		679T		TK 38 HV ANNULUS AIR INLET TEMP IND LOOP						M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928247
HM	241-939	HV	LOOP	2012		768T		TK 39 HV TOTAL ANNULUS AIR TEMP INDICATING LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928469
HM	241-938	HV	LOOP	2017		682T		TK 38 HV ANNULUS EXHAUST TEMP INDICATING LOOP						M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928248
HM	241-939	HV	LOOP	2019		771T		TK 39 HV ANNULUS EXHAUST TEMP IND LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300244
HM	241-939	HV	LOOP	2021		756XT		TK 39 HV ANNULUS EXHAUST HIGH ACTIVITY ALARM LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382801
HM	241-938	HV	LOOP	2022		668WA		TK 38 HV ANNULUS FAN OFF LOOP						M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928291
HM	241-938	HV	LOOP	2023		667XT		TK 38 HV ANNULUS EXHAUST HIGH ACTIVITY ALARM LOOP						M-M6-H-8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26379301
HM	241-939	HV	LOOP	2023		757WA		TK 39 HV ANNULUS FAN OFF ALARM LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928504
HM	241-939	HV	LOOP	2024		754WA		TK 39 HV PURGE FAN OFF ALARM LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928503
HM	241-939	HV	LOOP	2025		752P		TK 39 HV PURGE EXHAUST FILTER DIFF PRESS LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382501
HM	241-941	HV	LOOP	2025		7930P		TK 41 HV TANK VACUUM LOOP						M-M6-H-8567	W802496	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26388601
HM	241939	HV	PDS	2025				SWT PURGE EXHAUST HEPA DP	0 / 52	INWC		WMWE-14376		M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300202 80013566
HM	241-939	HV	LOOP	2026		9715		TK 39 HV CAM BLOWER FAILURE ALARM LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928468
HM	241-939	HV	LOOP	2027		763XT		TK 39 HV PURGE EXHAUST HIGH ACTIVITY ALARM LOOP						M-M6-H-8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382801

(FL & FM - F Tank Farm) (HA 299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB. NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/15/95
Report Run Time: 2:31:01 PM
Page 210FC = Functional Class
OL N = Old Loop Number
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LOOP: Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM		241-941	HV	LOOP	2027			TK 41 TANK VACUUM LOOP						M- M6-H- 8567	W800301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928844
HM		241-941	HV	LOOP	2029		939T	TK 41 HV PURGE EXHAUST COND INLET TEMPERATURE LOOP						M- M6-H- 8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928840
HM		241-943	HV	LOOP	2029			TK 43 HV PURGE EXHAUST TEMPERATURE LOOP						M- M6-H- 8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929087
HM		241-941	HV	LOOP	2031			TK 41 HV PURGE EXHAUST FILTER DP LOOP						M- M6-H- 8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928839
HM		241-943	HV	LOOP	2031			TK 43 HV PURGE FILTER DP LOOP						M- M6-H- 8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929099
HM		241-943	HV	PDS	2031			SWT PURGE EXH HEPA HI DP	0 / 5.2	INWC		WMM-14376		M- M6- H- 8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674801 8011918
HM		241-943	HV	LOOP	2032			TK 43 HV PURGE EXHAUST CAM LOOP						M- M6-H- 8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674701
HM		241-943	HV	LOOP	2034			TK 43 HV PURGE EXHAUST CAM LOW FLOW ALARM LOOP						M- M6-H- 8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929100
HM		241-943	HV	PDSL	2034			TK 43 PURGE EXHAUST CAM DIFF PRESS SWITCH	0 / 10	INWC		WMWE-14376		M- M6-H- 8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212733 80011917
HM		241-941	HV	LOOP	2035		933XT	TK 41 PURGE EXHAUST CAM LOOP						M- M6-H- 8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26388901
HM		241-943	HV	LOOP	2035			TK 43 PURGE EXHAUST FAN FAILURE ALARM LOOP						M- M6-H- 8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929101
HM		241-941	HV	LOOP	2036		664PS7	TK 41 PURGE EXHAUST CAM LOW DP LOOP						M- M6-H- 8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26387401
HM		241-941	HV	LOOP	2038		948T	TK 41 ANNULUS AIR INLET TEMPERATURE LOOP						M- M6-H- 8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928841
HM		241-943	HV	LOOP	2038			TK 43 HV TANK VACUUM LOOP						M- M6-H- 8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674401
HM		241-943	HV	PDIS	2038			TK 43 HV TANK VACUUM PRESSURE DIFF IND SWITCH	0 / 5	PSIG		WMWE-14328		M- M6- H- 8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212759 80011934
HM		241-070	HV	LOOP	2039			PUMP PIT 5/6 DEMISTER DIFF PRESS ALARM LOOP						M- M6-H- 8699	W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927508

*FL & FM - F Tank Farm) (HA-2894) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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I-IX-G-0001
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FC = Functional Class
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM	241-943	HV	LOOP	2040				TK 43 HV ANNULUS INLET TEMPERATURE INDICATION LOOP						M-M6-H-8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929107
HM	241-070	HV	LOOP	2048				PUMP PIT 5/6 EXHAUST HEPA FILTER PRESS DIFF LOOP						M-M6-H-8699	W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927507
HM	241-941	HV	LOOP	2048			951T	TK 41 HV ANNULUS EXHAUST OUTLET TEMPERATURE LOOP						M-M6-H-8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928842
HM	241070	HV	PDS	2048				SWT PIT EXH HEPA DP	0 / 5.2	INWC		WMWE-14376		M-M6-H-8699	W715301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211016 80010452
HM	241-941	HV	LOOP	2051			7938	TK 41 HV ANNULUS EXHAUST CAM LOOP						M-M6-H-8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26389101
HM	241-070	HV	LOOP	2052				PUMP PIT 5/6 EXHAUST CAM RAD TRANSMITTER LOOP						M-M6-H-8699	W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927508
HM	241-941	HV	LOOP	2052			864PS8	TK 41 HV ANNULUS EXHAUST CAM LOW DP LOOP						M-M6-H-8567	W802495	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928843
HM	241-943	HV	LOOP	2052			1128	TK 43 HV ANNULUS CAM ALARM LOOP						M-M6-H-8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674901
HM	241-070	HV	LOOP	2054				PUMP PIT 5/6 EXHAUST CAM DIFF PRESS CONTROL LOOP						M-M6-H-8699	W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927509
HM	241-943	HV	LOOP	2056				TK 43 HV ANNULUS EXHAUST FAN FAILURE ALARM LOOP						M-M6-H-8607	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929102
HM	241-943	HV	LOOP	2057				TK 43 HV ANNULUS EXHAUST CAM LOW FLOW ALARM LOOP						M-M6-H-8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929109
HM	241943	HV	PDSL	2057				TK 43 HV ANNULUS EXHAUST CAM DP SWITCH	0 / 10	INWC		WMWE-14376		M-M6-H-8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212742 80011920
HM	241-031	HV	LOOP	2058				DB 7 EXHAUST HEPA FILTER DIFF PRESS LOOP						M-M6-H-8699	W700905	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26351401
HM	241-943	HV	LOOP	2058				TK 43 HV ANNULUS EXH TEMPERATURE INDICATION LOOP						M-M6-H-8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929110
HM	241031	HV	PDS	2058				SWT HEPA FILTER DP	0 / 5.2	INWC		HLWM-14376		M-M6-H-8699	W700905	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26351401 80010236
HM	241-031	HV	LOOP	2060				DB 7 EXHAUST CAM RAD TRANSMITTER CONTROL LOOP						M-M6-H-8699	W700905	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26351301

(FL & FM - F Tank Farm)(HA-200H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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L-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
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U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM	241-031	HV	LOOP	2062				DB 7 EXHAUST CAM DIFF PRESS CONTROL LOOP						M- M6-H- 8699	W700905	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26351501
HM	241031	HV	PDS	2062				SWT CAM LO FLOW DP	0 / 10	INWC		HLWM-14376		M- M6- H- 8699	W700905	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26171517 80001734
HM	241-070	HV	LOOP	5010			1594	PUMP PIT HV PURGE AIR REHEATER TEMP CONTROL LOOP						M- M6-H- 8699	W713825	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26351801
HM	241-941	HV	LOOP	5011			941	TK 41 PURGE HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8567	W800301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26389301
HM	241-939	HV	LOOP	5016			781	TK 39 HV PURGE TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8493	W702086	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26383001
HM	241-938	HV	LOOP	5017			672	TK 38 HV PURGE TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8471	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26379501
HM	241-943	HV	LOOP	5019			1131	TK 43 PURGE HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8607	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26675101
HM	241-942	HV	LOOP	5032			1031	TK 42 PURGE HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7873	W744343	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26672101
HM	241-950	HV	LOOP	5082			4285TV	TK 60 PRIMARY PURGE TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8244	W818682	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26684001
HM	241-943	IA	LOOP	2251			1376PAL	TK 43 PA REDUCING STATION LOW PRESSURE ALARM LOOP						M- M6-H- 7830	W702776	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921280
HM	241943	IA	PS	2251				SWT INSTR AIR PRES	0 / 70	PSIG		WMM-14357		M- M6- H- 7830	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26676301 80011927
HM	241-032	IA	LOOP	2482			8000PAL	PUMP PANEL 8000-B PURGE AIR LOW PRESSURE						M- M6-H- 7829	W743367	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921281
HM	241-032	IA	LOOP	2483			8001PAL	PUMP PANEL 8001-B PURGE AIR LOW PRESSURE						M- M6-H- 7829	W743367	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921282
HM	241-032	IW	LOOP	2002			7498SV	COLD FEEDS IW TK INLET LEVEL CONTROL LOOP						M- M6-H- 8361	W738041	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924139
HM	241-032	IW	LOOP	2003			7499XT	COLD FEEDS IW TK PH ANALYSIS LOOP						M- M6-H- 8361	W738041	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924140
HM	241-032	IW	LOOP	2013			7498FT	COLD FEEDS IW TK TRANSFER PUMP DISCHARGE FLOW LOOP						M- M6-H- 8361	W738041	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924141

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM	241-941	IW	LOOP	2028			7706FT	TK 41 RISER B2 IW FLOW LOOP						M- M6-H- 8364	W800303	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924142
HM	241-000	IW	LOOP	2041			7506LT	INHIBITED FLUSH WATER TK IW INLET LEVEL CONTROL						M- M6-H- 8367	W738042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924143
HM	241-000	IW	LOOP	2046			7507FT	INHIBITED FLUSH WATER TK DISCH FLOW CONTROL LOOP						M- M6-H- 8367	W738042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26924144
HM	241-948	IW	LOOP	2050			8540FT	TK 48 IW HEADER INLET FLOW LOOP						M- M6-H- 8368	W800747	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26110901
HM	241-098	IW	LOOP	2075			8551HV	FILTER BLDG EQUIPMENT IW SUPPLY FLOW LOOP						M- M6-H- 8372	W800747	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26085801
HM	241-098	IW	LOOP	2076			8558HV	FILTER BLDG IW TO FILTER CELL #1 SUMP FLOW LOOP						M- M6-H- 8372	W800747	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26115101
HM	241-098	IW	LOOP	2077			8557HV	FILTER BLDG IW TO FILTER CELL #2 SUMP FLOW LOOP						M- M6-H- 8372	W800747	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26115001
HM	241-098	IW	LOOP	2078											W800747	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
CP	HM 241-028	LC	FR	2022			1282	CONDENSATE GAMMA MONITOR	N/A	CPS	N/A			M M6 H 7849		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																		
CP	HM 241-028	LC	RAH	2022			1282	CONDENSATE GAMMA MONITOR	49	CPS	IA			M M6 H 7849		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																		
CP	HM 241-028	LC	RAHL	2022			1282	CONDENSATE GAMMA MONITOR	240/640 5	CPS	A			M M6 H 7849		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																		
CP	HM 241-028	LC	PY	2022			1282	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A			M M6 H 7849		☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"																		
CP	HM 242-016	LC	LOOP	2022			1282	CONDENSATE GAMMA MONITOR (FLASH TK HI ACTIVITY)	49	CPS	IA	HLWM 17482		M M6 H 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

The gamma monitor was installed primarily to detect gross contamination in the evaporator condensate (major contributor is from tube bundle). The Authorization Basis (AB) requires that the evaporator condensate be continuously monitored for radiation and that online diversion systems be operable while condensate is being released to the environment. The condensate is routed to the segregated water system, which is the final monitoring point before release to the environment. Since condensate flow is diverted to the feed tank when high activity is detected, the amount of radioactivity that would actually be sent to the segregated water system would be minimal. High activity in the segregated water system was evaluated by SRTC and the indicated that a release would not exceed either the onsite or offsite dose OSA significance criteria [Ref. 1]. The AB does not specify at what radioactivity level the diversion system is activated. The setpoint was set as low as reasonably possible given the current configuration on the monitor. The uncertainty analysis [Ref. 2], confirms that the alarm/interlock will acceptable within an acceptable tolerance. (1). Inter-Office Memorandum, J.D. Humphrey to P.D. d'Entremont and W.F. Bates, "Condensate Radiation Monitor", 1/17/94. (2). WSRC-TR-94-050.

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN	FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SE	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS M TYPE W or OTHER TYPE	Basic Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
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CP	HM		242-016	LC	LOOP	2022		1282	CONDENSATE GAMMA MONITOR (FLASH TK FAILURE)	240/840 5	CPS CPS	A A	HLWM 17462		M M6 H 7849 W701053	☐ Required ☒ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	MTE-F-3200-WMO MTE-F-3201-WMO	
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Americium: These setpoints are based on the fact that the gamma monitor has an automatic gain compensation circuit to accommodate signal drift (normally due to temperature fluctuations). These limits were established to provide the necessary time for the monitor to compensate and still provide conservative limits to indicate there is a problem with the monitor.

Cesium: The low cesium count is an indication of detector failure. When this occurs, the signal decreases to 0 cps, but to avoid hysteresis, the limit is set at 25% of background, which is currently 20 cps.

The Authorization Basis does not specify at what radioactivity level the failure alarm/interlocks is activated. The uncertainty analysis [Ref 1] confirms that the alarms/interlocks will activate within an acceptable tolerance.

CP	HM		242-016	LC	FE	2022		1282	CONDENSATE GAMMA MONITOR	N/A	N/A	N/A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		241-028	LC	RSH	2022A		1282	CONDENSATE GAMMA MONITOR	49	CPS	IA			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		241-028	LC	RSL	2022A		1282	CONDENSATE GAMMA MONITOR	5	CPS	A			M M6 H 7849	☒ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		242-016	LC	RT	2022A		1282	CONDENSATE GAMMA MONITOR	N/A	CPS	N/A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		242-016	LC	RY	2022A		1282	CONDENSATE GAMMA MONITOR	N/A	mv ma	N/A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		241-028	LC	RSH	2022B		1282	CONDENSATE GAMMA MONITOR	840	CPS	IA			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		241-028	LC	RSL	2022B		1282	CONDENSATE GAMMA MONITOR	240	CPS	A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		242-016	LC	RT	2022B		1282	CONDENSATE GAMMA MONITOR	N/A	CPS	N/A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

CP	HM		242-016	LC	RY	2022B		1282	CONDENSATE GAMMA MONITOR	N/A	mv ma	N/A			M M6 H 7849	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only		
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SEE LOOP DESCRIPTION FOR "CONDENSATE HIGH ACTIVITY FLASH TANK" AND "CONDENSATE RADIATION MONITOR FAILURE FLASH TANK"

HM			242016	LD	LSH				SWT BUBBLER LVL HI	0 / 20	INWC		WMWE-17067		W710875 W708640	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210708 80010228	
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HM			242016	LD	LSHH				SWT BUBBLER LVL HI HI	0 / 25	INWC		WMWE-17067		W710875 W708640	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210709 80010229	
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(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 216FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM	241-943	LD	LOOP	2001			1065L7	TK 43 AREA LEAK DETECTION BOX 7 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-943	LD	LOOP	2002			1065L8	TK 43 AREA LEAK DETECTION BOX 6 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-943	LD	LOOP	2003			1065L5	TK 43 AREA LEAK DETECTION BOX 6 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-943	LD	LOOP	2004			1065L4	TK 43 AREA LEAK DETECTION BOX 4 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-943	LD	LOOP	2005			1065L3	TK 43 AREA LEAK DETECTION BOX 3 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300264
HM	241-943	LD	LOOP	2006			1065L2	TK 43 AREA LEAK DETECTION BOX 2 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-943	LD	LOOP	2007			1065L1	TK 43 AREA LEAK DETECTION BOX 1 LEVEL LOOP						M- M6-H- 8912	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26673901
HM	241-941	LD	LOOP	2008			884L2	TK 41 AREA LEAK DETECTION BOX 2 LEVEL LOOP						M- M6-H- 8912	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300214
HM	241-941	LD	LOOP	2009			884L1	TK 41 AREA LEAK DETECTION BOX 1 LEVEL LOOP						M- M6-H- 8912	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26388001
HM	241-939	LD	LOOP	2012			704L1	TK 39 AREA LEAK DETECTION BOX 1 LEVEL LOOP						M- M6-H- 8913	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26381801
HM	241-939	LD	LOOP	2013			704L2	TK 39 AREA LEAK DETECTION BOX 2 LEVEL LOOP						M- M6-H- 8913	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300197
HM	241-938	LD	LOOP	2018			818L1	TK 38 AREA LEAK DETECTION BOX 1 LEVEL LOOP						M- M6-H- 8913	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378301
HM	241-031	LD	LOOP	2017			1441L8	HDB-7 AREA LEAK DETECTION BOX 8 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-031	LD	LOOP	2018			1441L9	HDB-7 AREA LEAK DETECTION BOX 8 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-031	LD	LOOP	2019			1441L5	HDB-7 AREA LEAK DETECTION BOX 5 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-031	LD	LOOP	2020			1441L4	HDB-7 AREA LEAK DETECTION BOX 4 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	

(FL & FM - F Tank Farm) (HA 299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 11/16/99
Report Run Time: 2:33:01 PM
Page 216FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM	241	031	LD	LOOP	2021		1441L3	HDB-7 AREA LEAK DETECTION BOX 3 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241	031	LD	LOOP	2022		1441L1	HDB-7 AREA LEAK DETECTION BOX 1 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241	031	LD	LOOP	2023		1441L8	HDB-7 AREA LEAK DETECTION BOX 7 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241	031	LD	LOOP	2024		1441L2	HDB-7 AREA LEAK DETECTION BOX 2 LEVEL LOOP						M- M6-H- 8913	W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241068	LS	PS					SWT LO STEAM PRES	0 / 65	PSIG					W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210997 80010435
HM	241069	LS	PS					SWT LO STEAM PRES	0 / 65	PSIG		WMWE-14357			W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211006 80010443
HM	242016	LS	PSLL					SWT WARMING COIL EXT PRES	0 / 10	PSIG		WMWE-17043			W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213244 80012304
HM	242018	LS	PSL					SWT PRES LO WARMING COIL	0 / 20	PSIG		WMWE-17043			W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213302 80012353
HM	242018	LS	PS					SWT STEAM PRES	0 / 65	PSIG					W702453	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213349 80012384
HM	241-941	LS	LOOP	2004			935	TK 41 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7845	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26389001
HM	241-940	LS	LOOP	2005			845	TK 40 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7845	W702248	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26385701
HM	241-939	LS	LOOP	2006			765	TK 36 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7848	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382701
HM	241-938	LS	LOOP	2007			888	TK 38 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7848	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26379201
HM	241938	LS	PS	2007	DEL			SWT ANN HTR LO STM PRES	0 / 2.5	PSIG		WMWE-14357		M- M6- H- 7846	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212482
HM	241-943	LS	LOOP	2010			1125PS	TK 43 ANNULUS HV LOW PRESSURE ALARM LOOP						M- M6-H- 7847	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674801
HM	241943	LS	PS	2010				SWT ANN HTR LO STM PRES	0 / 2.5	PSIG		WMWE-14357		M- M6-H- 7847	W702090	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674801 80005143

(FL & FM - F Tank Farm) (HA-299H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
Page 217FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OL N	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM		241-028	LS	LOOP	2018		1254	EVAP LANCE GANG VALVE CONTROL LOOP						M- M6-H- 7848	W701052			26336201
HM		242-016	LS	LOOP	2019		1275	EVAP CONDENSATE FLASH TANK LEVEL CONTROL LOOP						M- M6-H- 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26333401
HM		242-016	LS	LOOP	2021		1277	EVAP WARMING COILS OUTLET PV CONTROL LOOP						M- M6-H- 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332901
HM		242-016	LS	LOOP	2022		1282	EVAP FLASH TANK COND RV CONTROL LOOP						M- M6-H- 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332201
HM		241-949	LS	LOOP	2030		4191	TK 49 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7852	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26681201
HM		241-948	LS	LOOP	2031		4101	TK 48 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7853	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26678101
HM		241-098	LS	LOOP	2033			LS STEAM TRAP CONDENSATE COOLER CONTROL LOOP						M- M6-H- 7854	W822697	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919189
HM		241-951	LS	LOOP	2035		4371	TK 51 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7855	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26686201
HM		241-950	LS	LOOP	2036		4281	TK 50 ANNULUS HV LS LOW PRESSURE ALARM LOOP						M- M6-H- 7856	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26683801
HM		241-942	LS	LOOP	2037		1025	TK 42 ANNULUS HV LOW PRESSURE ALARM LOOP						M- M6-H- 7850	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26671801
HM		241-941	LS	LOOP	5012		945	TK 41 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7845	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26389701
HM		241-940	LS	LOOP			855	TK 40 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7845	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26386401
HM		241-939	LS	LOOP	5015		785	TK 39 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7846	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26383401
HM		241-938	LS	LOOP	5018		676	TK 38 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7846	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26389901
HM		241-943	LS	LOOP	5020		1135	TK 43 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7847	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26675501
HM		241-942	LS	LOOP	5033		1035	TK 42 ANNULUS HV TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 7850	W702246	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26672501

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

I-IX-G-0001

(Ref: WSRC-TR-94-400)

Report Run Date: 1/1/95
Report Run Time: 2:53:01 PM
Page 218FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN					DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN				M TYPE	W or OTHER TYPE			
HM		241-028	LS	LOOP	5034						M- M6-H- 7850	W702778	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☐ Incomplete ☐ Information Only	26919163
HM		241-028	LS	LOOP	5035						M- M6-H- 7850	W702778	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919164
HM		241-028	LS	LOOP	5036						M- M6-H- 7850	W702778	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919188
HM		241-949	LS	LOOP	5067	4185					M- M6-H- 7852	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919183
HM		241-950	LS	LOOP	5081	4275					M- M6-H- 7856	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26683301
HM		241-951	LS	LOOP	5083	4365					M- M6-H- 7855	W708042	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919185
HM		242018	MC	LSL								W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213223 80012286
HM		242018	MC	LSH								W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213236 80012297
HM		242018	MC	LSHH								W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213287 80012327
HM		242018	MC									W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300316
HM		242018	MB	PSLL								W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213251 80012311
HM		242018	MB	WS								W701052	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213276 80012334
HM		242018	MB	PSL								W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213277 80012335
HM		242018	MB	PSL								W705284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213294 80012349
HM		242-016	MS	LOOP	2020	1276					M- M6-H- 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26331401
HM		242-016	MS	LOOP	2024						M- M6-H- 7849	W701053	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26919168

(FL & FM - F Tank Farm) (HA-298H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM		241049	PA	PS				SWT PLANT AIR LO PRES	0 / 90	PSI		WMWE-14357			W713860	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210895 80010346
HM		241068	PA	PS				SWT LO AIR PRES	0 / 40	PSIG					W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210896 80010434
HM		241069	PA	PS				SWT LO AIR PRESS	0 / 40	PSIG		WMWE-14357			W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211005 80010442
HM		241128	PA	PS				SWT LAG COMP PRES	35 / 375	PSIG					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213898
HM		241128	PA	PS				SWT OIL PRES COMP #2	0 / 8	PSIG					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213905
HM		241128	PA	TS				SWT AIR TEMP COMP #2	0 / 420	DEG F					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213907
HM		241128	PA	TS				SWT COOLING WATER TEMP COMP #2	0 / 140	DEG F					W2009561	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213909
HM		241128	PA	TS				SWT AIR TEMP COMP #1	0 / 420	DEG F					S5-2-19807	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213911
HM		241128	PA	PS				SWT LO AIR HEADER PRES	120 / 130	PSIG						☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213926
HM		242016	PA	PS				SWT AIR PRES	0 / 40	PSIG					W702453	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213351 80012386
HM		241-049	PA	LOOP	2465		1377WL	AIR COMPRESSOR 1 SUPERVISORY INSTRUMENTATION					M- M6-H- 7826		W702776	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921278
HM		241-049	PA	LOOP	2471		1676PAL	TKS 38-43 PLANT AIR LO PRESSURE					M- M6-H- 7826		W702776	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921279
HM		241-049	PA	LOOP	2474		4435WL	AIR COMPRESSOR 2 SUPERVISORY INSTRUMENTATION					M- M6-H- 7826		W707342	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921268
HM		241-049	PA	LOOP	2483			AIR DRYER AIR CONTROL LOOP					M- M6-H- 7827		W702776	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26921513
HM		241028	SSEW	LSH				SWT SUMP LIQ LVL HI	0 / 10	INWC		WMWE-17065			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213352 80012387
HM		241028	SSEW	LSHH				SWT SUMP LIQ LVL HI HI	0 / 15	INWC		WMWE-17065			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213353 80012388

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BIDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM		241028	SSEW			LSH		SWT SUMP LIQ LVL HI	0 / 10		INWC	WMWE-17066			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213359 80012392
HM		241028	SSEW			LSHH		SWT SUMP LIQ LVL HI HI	0 / 15		INWC	WMWE-17066			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213360 80012393
HM		241031	SSEW			LSH		SWT SUMP LIQ LEVEL HI	0 / 10		INWC	WMWE-17058			W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210716 80010233
HM		241031	SSEW			LSHH		SWT SUMP LIQ LVL HI HI	0 / 15		INWC	WMWE-17058			W701888	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210717 80010234
HM		241070	SSEW			PS		SWT SUMP AIR DISCH PRES	0 / 40		PSIG				W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211023 80010459
HM		241070	SSEW			PS		SWT SUMP STEAM DISCH PRES	0 / 85		PSIG				W714213	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26211024 80010460
HM		242018	SSEW			LSH		SWT EVAP CELL SUMP	0 / 20		INWC	WMWE-17034			W701070	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213240 80012300
HM		242018	SSEW			LSH		SWT O/H RECVR CELL SUMP	0 / 10		INWC	WMWE-17041			W701070	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213269 80012329
HM		907-008	SSEW	LOOP	2001		147WS	907-6H DIVERSION GATE TO CREEK POSN CONTROL LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926884	
HM		907-008	SSEW	LOOP	2002		148WS	907-6H DIVERSION GATE TO BASIN POSN CONTROL LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926885	
HM		907-008	SSEW	LOOP	2005		142X	907-6H STORM WATER MONITOR RADN IND/ALARM LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926886	
HM		907-008	SSEW	LOOP	2008			907-6H STORM WATER MON SAMPLE TANK OPER CONT LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926889	
HM		907-008	SSEW	LOOP	2007		144TS1	907-6H STORM WTR MON CABINET HIGH TEMP CONT LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926887	
HM		241-028	SSEW	LOOP	2008		149	907-6H STORM WTR MON TROUBLE/MAINTENANCE IND LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926820	
HM		907-008	SSEW	LOOP	2010		148TS	907-6H STORM WATER MON CABINET LOW TEMP CONT LOOP					M- M6-H- 8633	W738424	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926888	
HM		907-007	SSEW	LOOP	2011		157WS	907-7H DIVERSION GATE TO CREEK POSN CONTROL LOOP					M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926890	

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

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(Ref: WSRC-TR-94-400)

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basic Requirements and Info Status		IPI COORDINATOR		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE		ASSIGNED NO.	IDP #
HM		907-007	SSEW	LOOP	2012		156WS	907-7H DIVERSION GATE TO BASIN POSN CONTROL LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926891
HM		907-007	SSEW	LOOP	2013			907-7H STORM WATER MONITOR SAMPLE TANK OPER LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926892
HM		907-007	SSEW	LOOP	2015		152X	907-7H STORM WATER MONITOR RADN IND/ALARM LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926893
HM		907-007	SSEW	LOOP	2016		158TS	907-7H STORM WATER MON CABINET LOW TEMP CONT LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926895
HM		907-007	SSEW	LOOP	2017		154TS1	907-7H STORM WATER MON CABINET HIGH TEMP CONT LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926894
HM		241-028	SSEW	LOOP	2019			907-7H STORM WTR MON TROUBLE/MAINTENANCE IND LOOP						M- M6-H- 8635	W738425	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926907
HM		241943	WEE	ESL				SWT FEED PUMP CURRENT LO	0 / 8						W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	80012015
HM		242016	WEE	PSH				SWT EVAP POT PRES HI LVL	0 / 30	INWC		WMWE-14353			W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213210 80012274
HM		242016	WEE	LSH				SWT EVAP OH REC TK #1	0 / 55	INWC		WMWE-17030			W701282	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213216 80012279
HM		242016	WEE	LSL				SWT EVAP LO LVL (BLUE PEN)	0 / 40	INWC		WMWE-14353			W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213241 80012301
HM		242016	WEE	LSH				SWT EVAP HI LIQ LVL #2 (REDPEN)	0 / 49	INWC		WMM-17035			W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213242 80012302
HM		242016	WEE	TS				SWT EVAP VENT TEMP BOTTOMS	0 / 105	DEGC					W712723	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213243 80012303
HM		242016	WEE	TS				SWT TEMP	0 / 105	DEGC		WMWE-14353			W708395	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213256 80012316
HM		242016	WEE	LSH				SWT EVAP OH REC TANK 2	0 / 56	INWC					W701282	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213268 80012328
HM		242016	WEE	LSL				SWT CRC LO LVL	0 / 3	INWC		WMWE-17116			W702633	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213280 80012338
HM		242016	WEE	LSH				SWT CRC HI LVL	0 / 14	INWC		WMWE-17116			W702633	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213281 80012339

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&IDs ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				DESCRIPTION	SP	U	AI	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basis Requirements and Info Status	IPI COORDINATOR ASSIGNED NO.	IDP #
FC	A	BLDG	SYS							M TYPE	W or OTHER TYPE			
HM	242016	WEE	LSH	SWT POT FOAM LVL HI	0 / 6	INWC					W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213303 80012354
HM	242016	WEE	LSH	SWT EVAP REC CELL SUMP LVL HI	0 / 10	INWC		WMWE-17041			W701282	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213308 80012356
HM	242016	WEE	LSH	SWT POT LVL HI	48.02 / 49.08	INWC		WFR2282			BPF 212557-SHEET #39	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213308 80012358
HM	242016	WEE	TSH	SWT POT HI TEMP	0 / 150	DEGC					BPF 212557-SHEET #39	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213312 80012362
HM	242016	WEE	LE	SWT POT LVL HI HI	50.96 / 53.04	INWC		WFR2282			BPF 212557-SHEET #39	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213318 80012366
HM	242016	WEE	PSL	SWT LIFT GV LO AIR PRES	0 / 40	PSIG		HLWM-14357			W701054	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213336 80012376
HM	242016	WEE	LSHH	SWT EVAP HI HI LIQ LVL	0 / 52	INWC					W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213344 80012379
HM	242016	WEE	PS	SWT TUBE BUNDLE INTERLOCK	0 / 20	PSI		WMWE-14357			W705284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26310512 80001557
HM	242-016	WEE	LOOP	2001	1300	EVAP LIFT GANG VALVE CONTROL LOOP			M- M6-H- 8336		W701054	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26331501
HM	242-016	WEE	LOOP	2002	1300	EVAP HOUSE LIFT GANG VALVE PRESSURE INDICATOR			M- M6-H- 8336		W701054	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922283
HM	242-016	WEE	LOOP	2003	1305	EVAP LANCE GANG VALVE CONTROL			M- M6-H- 8336		W701055	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26331801
HM	242-016	WEE	LOOP	2004	1305	EVAP LANCE GANG VALVE PRESSURE INDICATOR			M- M6-H- 8336		W701055	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922361
HM	242-016	WEE	LOOP	2005	1310	EVAP SUMP JET GANG VALVE CONTROL LOOP			M- M6-H- 8337		W701061	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26333801
HM	242-016	WEE	LOOP	2008	1310	EVAP SUMP JET GANG VALVE PRESSURE INDICATOR			M- M6-H- 8337		W701061	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922296
HM	242-016	WEE	LOOP	2010	1318	EVAP BOTTOMS LINE TEMPERATURE INDICATOR			M- M6-H- 8338		W701070	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26336801
HM	242-016	WEE	LOOP	2011	1315/1317	EVAP SUMP LEVEL INDICATOR			M- M6-H- 8338		W701070	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26336701

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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LIX-G-0001

(Ref: WSRC-TR-94-400)

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN				REFERENCE DRAWINGS				Basic Requirements and Info Status				IPL COORDINATOR										
FC	A	BLDG	SYS	FUN	SEQ	SUB	QLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OFS PROC.	M TYPE	W or OTHER TYPE	Required	Not Required	Undetermined	Complete	Information Only	ASSIGNED NO.	IDP #
HM	242-018	WEE	LOOP	2012			1318/1225	EVAP AND OVERHEAD RECEIVER SUMP LEVEL						M-M6-H-8338	W701070	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26330701	
HM	242-018	WEE	LOOP	2013			1315	EVAP CELL LINER LEAK DETECTION						M-M6-H-8338	W701070	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26334101	
HM	241-028	WEE	LOOP	2014			1181WT	EVAP TRUE LEVEL INDICATOR LOOP						M-M6-H-8339	W701062	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26822589	
HM	242-018	WEE	LOOP	2016			1228	EVAP OVERHEADS GAMMA DETECTION						M-M6-H-8340	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26335501	
HM	242-018	WEE	LOOP	2020			1228	EVAP OVERHEAD RECEIVER SELECTOR VALVE LOOP						M-M6-H-8340	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26922621	
HM	242-018	WEE	LOOP	2025			1227	EVAP OVERHEAD RECEIVER WEE-TK-5 LEVEL INDICATOR						M-M6-H-8340	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26330801	
HM	242-018	WEE	LOOP	2028				EVAP OVERHEAD RECEIVER WEE-TK-6 LEVEL INDICATOR						M-M6-H-8340	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26922622	
HM	242-018	WEE	LOOP	2030				EVAP OVERHEAD RECEIVER TK-5 PUMP SELECTOR LOOP						M-M6-H-8341	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26922623	
HM	242-018	WEE	LOOP	2031			1238	EVAP OVERHEAD RECEIVER TK-6 PUMP SELECTOR LOOP						M-M6-H-8341	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26922624	
HM	242-018	WEE	LOOP	2032			1226	EVAP SUMP LINER HIGH LEVEL LOOP						M-M6-H-8341	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26331001	
HM	242-018	WEE	LOOP	2033			1237	EVAP OVERHEAD RECEIVER SUMP LINER HIGH LEVEL LOOP						M-M6-H-8341	W701282	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26330801	
HM	242-018	WEE	LOOP	2039			1209	EVAP OVERHEADS TO CONDENSER TEMPERATURE INDICATOR						M-M6-H-8342	W701063	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	28300301	
HM	242-018	WEE	LOOP	2040				EVAP CONDENSER VENT TEMPERATURE INDICATOR						M-M6-H-8342	W701063	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26334801	
HM	242018	WEE	TS	2040				SWT/IND TEMP CONDENSER VENT TEMP				WINWE-17089		M-M6-H-8342	W701063	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	28213285 80012988	
HM	242-018	WEE	LOOP	2041			1204	EVAP CONDENSER TO MERCURY TK TEMP INDICATOR						M-M6-H-8342	W701063	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26333801	
HM	242-018	WEE	LOOP	2043			1205	EVAP OVERHEADS GAMMA DETECTION LOOP						M-M6-H-8342	W701063	☐ Required	☐ Not Required	☒ Undetermined	☐ Complete	☐ Information Only	26332401	

(FL & FM - F Tank Farm)(M-2604)(H-E-ETF)(HG-NWTF)(M-L & HM - H Tank Farm)
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM		242-016	WEE	LOOP	2045		1202	EVAP CRC FEED TANK FLOW VALVE CONTROL						M- M6-H- 8342	W701063	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922373
HM		242-016	WEE	LOOP	2046		1207	EVAP CRC FEED TANK LEVEL CONTROL						M- M6-H- 8342	W701063	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26331101
HM		242-016	WEE	LOOP	2048		1208	EVAP CRC FEED TANK LEVEL INDICATOR						M- M6-H- 8342	W701063	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922565
HM		241-938	WEE	LOOP	2051		827	TK 38 BOTTOMS LINE TEMPERATURE INDICATOR						M- M6-H- 8345	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26334001
HM		241-943	WEE	LOOP	2053		1077	TK 43 FEED FLOW CONTROL						M- M6-H- 8343	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922453
HM		241-942	WEE	LOOP	2058			TK 42 CESIUM REMOVAL COLUMN VENT LINE HIGH LEVEL						M- M6-H- 8343	W703032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922625
HM		241-942	WEE	LOOP	2059			TK 42 CRC CHARGING HOPPER HIGH LEVEL INDICATOR						M- M6-H- 8343	W703032	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922413
HM		241-941	WEE	LOOP	2081		4025	TK 41 BOTTOMS CLEANOUT LEVEL INDICATOR						M- M6-H- 8344	W700784	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922431
HM		241-942	WEE	LOOP	2082		4030	TK 42 BOTTOMS CLEANOUT HIGH LEVEL INDICATOR						M- M6-H- 8348	W701725	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922420
HM		241-949	WEE	LOOP	2083		4492	TK 49 BOTTOMS CLEANOUT HIGH LEVEL DETECTION						M- M6-H- 8346	W708947	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922404
HM		241-948	WEE	LOOP	2084		4488	TK 60 AND 51 BOTTOMS CLEANOUT LEVEL LOOP						M- M6-H- 8348	W708948	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922626
HM		241-948	WEE	LOOP	2085		4488	TK 48 BOTTOMS CLEANOUT LEVEL LOOP						M- M6-H- 8348	W708948	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922627
HM		241-943	WEE	LOOP	5001		1079	TK 43 BACKFLUSH VALVE CONTROL INTERLOCK						M- M6-H- 8343	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26874301
HM		241-941	WEE	LOOP	5003		898	TK 41 BACKFLUSH VALVE CONTROL LOOP						M- M6-H- 8344	W700692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26388401
HM		241-939	WEE	LOOP	5004		718	TK 39 BACKFLUSH VALVE CONTROL LOGIC						M- M6-H- 8345	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922156
HM		241-938	WEE	LOOP	5005		829	TK 38 BACKFLUSH VALVE CONTROL						M- M6-H- 8345	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378701

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR			
FC	A	BDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
CP	HM	241-016	WEE	LOOP	5028		1180	EVAPORATOR POT TEMP	150	DEGC	IA			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
This setpoint provides a conservative margin of error to maintain the temperature below the OSR/TS requirements of 160 deg C [refs. 2 & 3]. The loop uncertainty evaluation performed by SRTC [ref. 1] indicates that the instrument uncertainty is 4.3 deg C. (1). WSRC-TR-94-050, 2H Evap CP class instrumentation uncertainties evaluations (U). 2/10/94. (2). Technical Standard 241-9.01, C.1. (3). Operational Safety Requirements DPW-86-103, 1.2.2.4.C.1, 1.1.C.6, 2.1.C.5. (4). HLWM Procedure 17027, Loop Verification for 2H Evaporator Pot Temperature Loop 5028 (Old Loop 1180) (U).																		
CP	HM	241-016	WEE	TE	5028		1180	EVAPORATOR POT TEMP	N/A	DEGC ma	N/A			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	241-016	WEE	TT	5028		1180	EVAPORATOR POT TEMP	N/A	DEGC	N/A			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	241-016	WEE	TV	5028		1180	EVAPORATOR POT TEMP	N/A	psig	I			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	241-016	WEE	TY	5028		1180	EVAPORATOR POT TEMP	N/A	VAC psig	I			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	242-016	WEE	TAH	5028		1180	EVAPORATOR POT TEMP	150 110	DEGC VAC	A			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	242-016	WEE	TC / TSH	5028		1180	EVAPORATOR POT TEMP	150	DEGC ma vac	IA			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
	HM	242-016	WEE	LOOP	5028		1180	EVAP TUBE BUNDLE TEMPERATURE VALVE CONTROL LOOP						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26330301
CP	HM	241-016	WEE	ZC	5028A		1180	EVAPORATOR POT TEMP	N/A	ma psig	I			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
CP	HM	242-016	WEE	TR	5028B		1180	EVAPORATOR POT TEMP	N/A	ma	N/A			M M6 H 8339 M M6 H 7848	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
See LOOP DESCRIPTION for "EVAPORATOR POT TEMP"																		
	HM	242-016	WEE	LOOP	5030		1178	EVAP LIFT GANG VALVE LEVEL VALVE CONTROL LOOP						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26330101
	HM	241-028	WEE	LOOP	5129		1176PT	EVAP DIP TUBE PRESSURE						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922437
	HM	241-028	WEE	LOOP	5130		1177WT	EVAP SPECIFIC GRAVITY INDICATOR						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26330401

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN											REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM		241-028	WEE	LOOP	5131		1178LT	EVAP FOAM LEVEL INDICATOR						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26330201
HM		241-028	WEE	LOOP	5132			EVAP CONTROL LOOP						M- M6-H- 8339	W701062	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26922138
HM		241941	WTE					LOOP 895 TANK 41 GDL/BFV RISER LEVEL	0 / 1		INWC	HLWM-14376			W700692	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300215
HM		241-938	WTE	LOOP	2000		1169	TK 38 ANNULUS/DB7 GANG VALVE CONTROL LOOP						M- M6-H- 8470	W702694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26380901
HM		241-939	WTE	LOOP	2001		703L	TK 39 ANNULUS CONDUCTIVITY LEVEL ALARM LOOP						M- M6-H- 8494	W700685	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300196
HM		241-941	WTE	LOOP	2001		883L4	TK 41 WTE RISER A3 ANNULUS LEVEL LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928821
HM		241-943	WTE	LOOP	2001			TK 43 WTE H2 MONITOR ANALYSIS LOOP						M- M6-H- 8606	EE4H7763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929065
HM		241-938	WTE	LOOP	2002		1169	TK 38 ANNULUS/DB7 GANG VALVE JET PRESS IND LOOP						M- M6-H- 8470	W702694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928242
HM		241-939	WTE	LOOP	2002		705T	TK 39 ANNULUS WALL/BOTTOM TEMP DETECTION LOOP						M- M6-H- 8494	W700685	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928470
HM		241-941	WTE	LOOP	2002		883L3	TK 41 WTE RISER A4 ANNULUS LEVEL LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928822
HM		241-939	WTE	LOOP	2003		707	TK 39 RISER D2 INSIDE TEMPERATURE ALARM LOOP						M- M6-H- 8494	W700685	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300232
HM		241-941	WTE	LOOP	2003			TK 41 WTE RISER D1 H2 MONITOR LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300655
HM		241-943	WTE	LOOP	2003		1121	TK 43 WTE H2 MONITOR SAMPLE FLOW LOOP						M- M6-H- 8606	EE4H7763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26674501
HM		241943	WTE	PDIS	2003			SWT H2 ANYZR LO FLOW PRES	25 / 1.75		INWC	WMWE-14413		M- M6- H- 8606	W702040	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212755 80011930
HM		241-938	WTE	LOOP	2004		814T	TK 38 ANNULUS WALL/BOTTOM TEMP DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928004
HM		241-938	WTE	LOOP	2005		815L4	TK 38 LIQUID IN ANNULUS A-3 ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928002

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-JX-G-0001
(Ref: WSRC-TR-94-400)

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IFI COORDINATOR ASSIGNED NO.		IDP #		
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	
HM	241-939	WTE	LOOP		2005		751	TK 39 H2 MONITOR SAMPLE FLOW LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26382401
HM	241-941	WTE	LOOP		2005			TK 41 H2 MONITOR LOW FLOW LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26388701
HM	241-943	WTE	LOOP		2005			TK 43 WTE H2 MONITOR HEAT TRACE LOOP						M- M6-H- 8806	EE4H7763	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929079
HM	241-938	WTE	LOOP		2006		631T	TK 38 BOTTOM PLATE TEMPERATURE DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928005
HM	241-939	WTE	LOOP		2008		751X	TK 39 PURGE AIR H2 DETECTION LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300201
HM	241-938	WTE	LOOP		2007		618T	TK 38 RISER D2 INSIDE TEMPERATURE DETECT LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928255
HM	241-939	WTE	LOOP		2007		702L	TK 39 REEL TAPE LEVEL ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26381801
HM	241-941	WTE	LOOP		2007			TK 41 WTE RISER D1 H2 MONITOR HEAT TRACE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928823
HM	241-943	WTE	LOOP		2007			TK 43 WTE RISER A3 ANNULUS LEVEL LOOP						M- M6-H- 8806	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929066
HM	241-938	WTE	LOOP		2008			TK 38 H2 MONITOR HEAT TRACE TEMP LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928298
HM	241-939	WTE	LOOP		2008		715L	TK 39 RISER C3 LEVEL ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928501
HM	241-941	WTE	LOOP		2008		885T	TK 41 WTE SIDEWALL AND BOTTOMS TEMP LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928835
HM	241-939	WTE	LOOP		2009		703L5	TK 39 INNER ANNULUS CONDUCTIVITY ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928500
HM	241-941	WTE	LOOP		2009		945T1-4	TK 41 WTE KNUCKLE PLATE TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928836
HM	241-943	WTE	LOOP		2009			TK 43 WTE RISER A4 LEVEL LOOP						M- M6-H- 8806	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929087
HM	241-939	WTE	LOOP		2010		708	TK 39 RISER D3 INSIDE TEMPERATURE ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300233

(FL & FM - F Tank Farm) (HA-2904) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL A/I'S EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW P&ID'S ARE COMPLETED

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM	241-941	WTE	LOOP	2010			883L1	TK 41 WTE RISER E2 IN TANK LEVEL LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300213
HM	241-943	WTE	LOOP	2010			1067	TK 43 WTE SIDEWALL AND BOTTOMS TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929072
HM	241-938	WTE	LOOP	2011			681	TK 38 PURGE AIR H2 DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378901
HM	241-939	WTE	LOOP	2011			709	TK 39 RISER D4 INSIDE TEMPERATURE ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300234
HM	241-941	WTE	LOOP	2011			882L	TK 41 WTE RISER E2 REEL TAPE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26387801
HM	241-943	WTE	LOOP	2011			1062	TK 43 WTE REEL TAPE LEVEL LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26673601
HM	241-938	WTE	LOOP	2012			613L	TK 38 REEL TAPE ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378101
HM	241-939	WTE	LOOP	2012			710T	TK 39 ANNULUS WALL/BOTTOM TEMP DETECTION LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300235
HM	241-941	WTE	LOOP	2012			883L5	TK 41 WTE RISER A5 CENTER ANNULUS LEVEL LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928824
HM	241-943	WTE	LOOP	2012				TK 43 WTE RISER E2 LEVEL LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929070
HM	241-938	WTE	LOOP	2013			615L	TK 38 RISER E2 CONDUCTIVITY LEVEL ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378201
HM	241-939	WTE	LOOP	2013			703L2	TK 39 LIQUID IN ANNULUS A-2 ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928499
HM	241-943	WTE	LOOP	2013				TK 43 WTE CENTER ANNULUS LEVEL LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929069
HM	241-938	WTE	LOOP	2014			628LS	TK 38 RISER C3 LEVEL ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26334201
HM	241-943	WTE	LOOP	2014			1063X2	TK 43 WTE RISER C3 VAMP LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929082
HM	241938	WTE	LS	2014				SWT LVL GDL-BFV	0 / 1	INWC		WMWE-14376		M- M6- H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300178 80013529

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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
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A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLJ N										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM	241-938	WTE	LOOP	2015			615L5	TK 38 CENTER ANNULUS CONDUCTIVITY ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928292
HM	241-943	WTE	LOOP	2015				TK 43 WTE RISER C3 LEVEL LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929071
HM	241-943	WTE	LS	2015				SWT/PROBE LVL GDL-BFV RISER	0 / 1	INWC		WMWE-14376		M- M6- H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26332801 80012021
HM	241-938	WTE	LOOP	2018			619T	TK 38 RISER D3 INSIDE TEMPERATURE DETECT LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928256
HM	241-939	WTE	LOOP	2018			711LT	TK 38 ANNULUS HIGH LIQUID LEVEL ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26381901
HM	241-941	WTE	LOOP	2016			887T	TK 41 WTE RISER D2 TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928831
HM	241-943	WTE	LOOP	2018			1068	TK 43 WTE RISER D2 EVAP FEED TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26300252
HM	241-938	WTE	LOOP	2017			620T	TK 38 RISER D4 INSIDE TEMPERATURE DETECT LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928257
HM	241-938	WTE	LOOP	2017			703L	TK 38 LIQUID LEVEL HIGH ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26381701
HM	241-941	WTE	LOOP	2017			888T	TK 41 WTE RISER D3 TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928832
HM	241-943	WTE	LOOP	2017			1070	TK 43 WTE RISER D3 EVAP FEED TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929077
HM	241-938	WTE	LOOP	2018			622T	TK 38 ANNULUS WALL/BOTTOM TEMP DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928007
HM	241-938	WTE	LOOP	2018				TK 38 H2 MONITOR HEAT TRACE TEMPERATURE LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928510
HM	241-941	WTE	LOOP	2018			889T	TK 41 WTE RISER D4 TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928833
HM	241-943	WTE	LOOP	2018			1072	TK 43 WTE RISER D4 EVAP FEED TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929078
HM	241-938	WTE	LOOP	2019			632T	TK 38 BOTTOM PLATE TEMPERATURE DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928252

(FL & FM - F Tank Farm)(HA-298H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR			
FC	A	BLDG	SYS	FUN	SEQ	SUB	QLN	DESCRIPTION	SP	U	ΔI	MAINT PROC.	QPS PROC.	M TYPE	W or OTHER TYPE	Assigned NO.	IDP #
HM	241-941	WTE	LOOP	2019			7895L	TK 41 WTE RISER C3 DIPTUBE LEVEL LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928828
HM	241-943	WTE	LOOP	2019			1073	TK 43 WTE SIDEWALL AND BOTTOMS TEMPERATURE LOOP						M-M6-H-8606	W700694	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26929073
HM	241-938	WTE	LOOP	2020			6151L2	TK 38 LIQUID IN ANNULUS A-2 ALARM LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928293
HM	241-939	WTE	LOOP	2020			70134	TK 39 TRANSFER GV HOUSE HIGH RADIATION ALARM LOOP						M-M6-H-8494	W700665	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928424
HM	241-941	WTE	LOOP	2020			880T	TK 41 WTE RISER A2 SIDEWALL AND BOTTOMS TEMP LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928834
HM	241-943	WTE	LOOP	2020			1135	TK 43 WTE KNUCKLE PLATE TEMPERATURE LOOP						M-M6-H-8606	W700694	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26929074
HM	241-938	WTE	LOOP	2021			6151L3	TK 38 LIQUID IN ANNULUS A-4 ALARM LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928294
HM	241-939	WTE	LOOP	2021			701X1	TK 39 RISER C1 HIGH RADIATION ALARM LOOP						M-M6-H-8494	W700665	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26381501
HM	241-941	WTE	LOOP	2021			883L2	TK 41 WTE RISER A2 ANNULUS LEVEL LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928829
HM	241-943	WTE	LOOP	2021			1071	TK 43 WTE RISER A1 DIPTUBE LEVEL LOOP						M-M6-H-8606	W700694	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26674001
HM	241-938	WTE	LOOP	2022			823T	TK 38 BASE SLAB TEMPERATURE DETECTION LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928253
HM	241-939	WTE	LOOP	2022			701X2	TK 39 RISER C3 HIGH RADIATION ALARM LOOP						M-M6-H-8494	W700665	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928431
HM	241-941	WTE	LOOP	2022			891L	TK 41 WTE RISER A1 ANNULUS LEVEL LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26386101
HM	241-943	WTE	LOOP	2022			1084L6	TK 43 WTE RISER A2 LEVEL LOOP						M-M6-H-8606	W700694	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26673801
HM	241-938	WTE	LOOP	2023			824T	TK 38 WORK SLAB TEMPERATURE DETECTION LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928254
HM	241-939	WTE	LOOP	2023			712	TK 38 BASE SLAB TEMPERATURE DETECTION LOOP						M-M6-H-8494	W700665	☐ Required ☐ Not Required ☒ Undetermined ☐ Complete ☒ Information Only	26928422

(FL & FM - F Tank Farm)(HA-208H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)
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OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM	241-941	WTE	LOOP	2023			883L8	TK 41 WTE LEAK DETECTION SUMP LEVEL LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928830
HM	241-943	WTE	LOOP	2023				TK 43 WTE SECONDARY LINER SUMP LEVEL LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929068
HM	241-938	WTE	LOOP	2024			815L8	TK 38 UNDERLINER SUMP LEAK DETECTION LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928003
HM	241-939	WTE	LOOP	2024			700	TK 38 WORK SLAB TEMPERATURE DETECTION LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928423
HM	241-941	WTE	LOOP	2024			892T	TK 41 WTE BOTTOM SLAB TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928837
HM	241-943	WTE	LOOP	2024			1074	TK 43 WTE UPPER SLAB TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929075
HM	241-938	WTE	LOOP	2025			621LT	TK 38 ANNULUS HIGH LIQUID LEVEL ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378401
HM	241-941	WTE	LOOP	2025			880T	TK 41 WTE WORK SLAB TEMPERATURE LOOP						M- M6-H- 8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928838
HM	241-943	WTE	LOOP	2025			1060	TK 43 WTE LOWER SLAB TEMPERATURE LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929076
HM	241-938	WTE	LOOP	2026			812X4	TK 38 TRANSFER GANG V HOUSE HIGH RADN ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928250
HM	241-939	WTE	LOOP	2026			703L8	TK 38 UNDERLINER SUMP LEAK DETECTION LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928471
HM	241-943	WTE	LOOP	2026				TK 43 WTE RISER R VAMP LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929080
HM	241-938	WTE	LOOP	2027			812XT	TK 38 RISER C1 HIGH RADIATION ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26378001
HM	241-939	WTE	LOOP	2027			703L3	TK 38 LIQUID IN ANNULUS A-4 ALARM LOOP						M- M6-H- 8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928498
HM	241-943	WTE	LOOP	2027			1083X1	TK 43 WTE RISER C1 VAMP LOOP						M- M6-H- 8606	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929081
HM	241-938	WTE	LOOP	2028			812X2	TK 38 RISER C3 HIGH RADIATION ALARM LOOP						M- M6-H- 8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928251

(FL & FM - F Tank Farm) (HA-280H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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FC = Functional Class
OL N = Old Loop Number
SP = Setpoint
U = Units
AI = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN										REFERENCE DRAWINGS				Basis Requirements and Info Status		IPI COORDINATOR ASSIGNED NO.		IDP #
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE			
HM		241-943	WTE	LOOP	2028		1063X4	TK 43 WTE TRANSFER GANG VALVE HOUSE VAMP LOOP						M-M6-H-8806	W700694	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26929083
HM		241-038	WTE	LOOP	2029		661	TK 38 H2 MONITOR SAMPLE FLOW ALARM LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928288
HM		241938	WTE	PDIS	2029			SWT H2 ANYZR LO FLOW PRES	25 / 1.75	INWC		WMWE-14413		M-M6-H-8472	W702085	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212515 80011738
HM		241-938	WTE	LOOP	2030		678T	TK 38 ANNULUS KNUCKLE TEMPERATURE LOOP						M-M6-H-8472	W700664	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928299
HM		241-939	WTE	LOOP	2035		785	TK 38 KNUCKLE TEMP INDICATING LOOP						M-M6-H-8494	W700665	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928509
HM		241-941	WTE	LOOP	5138		881X	TK 41 WTE RISER C1 VAMP ALARM LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928825
HM		241-941	WTE	LOOP	5137		881X2	TK 41 WTE RISER C3 VAMP ALARM LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928826
HM		241-941	WTE	LOOP	5138		881X3	TK 41 WTE GANG VALVE HOUSE VAMP LOOP						M-M6-H-8566	W802494	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26928827
HM		241028	WTS	LSL				SWT LIQ LVL LO	0 / 18	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213361 80012364
HM		241028	WTS	LSHH				SWT LIQ LVL HI HI	0 / 71	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213362 80012365
HM		241028	WTS	LS				SWT LIQ LVL LO LO	0 / 14	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213363 80012366
HM		241028	WTS	LSH				SWT LIQ LVL HI	0 / 88	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213364 80012367
HM		241028	WTS	LSLL				SWT LIQ LVL LO LO	0 / 14	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213365 80012368
HM		241028	WTS	LSH				SWT LIQ LVL HI	0 / 88	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213366 80012369
HM		241028	WTS	LSL				SWT LIQ LVL LO	0 / 18	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213367 80012400
HM		241028	WTS	LSHH				SWT LIQ LVL HI HI	0 / 71	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213368 80012401

(FL & FM - F Tank Farm)(HA-299H)(HE-ETF)(HG-NWTF)(HL & HM - H Tank Farm)

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OL N = Old Loop Number
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U = Units
A/I = Alarm/Interlock
LOOP- Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLIN

REFERENCE DRAWINGS

Basis Requirements

IPL COORDINATOR

EC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	ASSIGNED DATE	ASSIGNED STATUS	ASSIGNED NO.	ASSIGNED DATE	ASSIGNED STATUS	ASSIGNED NO.	ASSIGNED DATE	ASSIGNED STATUS
HM	241028	WTS	LS					SWT LIQ LVL LO LO	0 / 14	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213382 80012411						
HM	241028	WTS	LSH					SWT LIQ LVL HI	0 / 66	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213383 80012412						
HM	241028	WTS	LS					SWT LIQ LVL LO	0 / 18	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213384 80012413						
HM	241028	WTS	LSHH					SWT LIQ LVL HI HI	0 / 71	INWC		WMWE-17184			W714302	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26213385 80012414						
HM	241068	WTS	LSHH					SWT HI HI LVL	0 / 71	INWC		WMM-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210990 80010428						
HM	241068	WTS	LSL					SWT LO LVL	0 / 18	INWC		WMM-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210991 80010429						
HM	241068	WTS	LSH					SWT HI LVL	0 / 66	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210992 80010430						
HM	241068	WTS	LSLL					SWT LO LO LVL	0 / 14	INWC		WMWE-17182			W714301	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26210993 80010431						
HM	241-938	WTS	LOOP	2001				TK 38 TRANSFER GANG VALVE CONTROL LOOP					M-M6-H-8692		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927118						
HM	241-938	WTS	LOOP	2005				TK 38 TRANSFER GANG VALVE JET PRESS XMTR LOOP					M-M6-H-8692		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927119						
HM	241-939	WTS	LOOP	2006				TK 39 TRANSFER GANG VALVE CONTROL LOOP					M-M6-H-8693		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927120						
HM	241-939	WTS	LOOP	2009				TK 39 TRANSFER GANG VALVE JET PRESS XMTR LOOP					M-M6-H-8693		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927195						
HM	241-941	WTS	LOOP	2010				TK 41 TRANSFER GANG VALVE CONTROL LOOP					M-M6-H-8694		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927196						
HM	241-941	WTS	LOOP	2013				TK 41 TRANSFER GANG VALVE JET PRESS XMTR LOOP					M-M6-H-8694		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927197						
HM	241-943	WTS	LOOP	2014				TK 43 TRANSFER GANG VALVE CONTROL LOOP					M-M6-H-8695		W701284	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26927198						
HM	241943	WTS	PS	2014	B			SWT XFER JET GV PLANT AIR RIES	0 / 40	PSQ		WMWE-14357			M-M6-H-8695	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26212748 80011925						

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

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(Ref: WSRC-TR-94-400)

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Report Run Time: 2:53:01 PM
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FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N				DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	REFERENCE DRAWINGS		Basic Requirements and Info Status		IPI COORDINATOR	
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN			M TYPE	W or OTHER TYPE	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	ASSIGNED NO.	IDP #
HM		241-943	WTS	LOOP	2017					M- M6-H- 8695	W701284				26927199
HM		241-031	WTS	LOOP	2018					M- M6-H- 8696	W700905				26351201
HM		241-031	WTS	LOOP	2019					M- M6-H- 8696	W700905				26927500
HM		241-069	WTS	LOOP	2020					M- M6-H- 8697	W714301				26356101
HM		241-069	WTS	LOOP	2024					M- M6-H- 8697	W714301				26355901
HM		241-069	WTS	LOOP	2025					M- M6-H- 8697	W714302				26358101
HM		241-069	WTS	LOOP	2028					M- M6-H- 8697	W714302				26358001
HM		241-068	WTS	LOOP	2029					M- M6-H- 8698	W714213				26927502
HM		241-068	WTS	LOOP	2033					M- M6-H- 8698	W714213				26927503
HM		241-068	WTS	LOOP	2034					M- M6-H- 8698	W714213				26927504
HM		241-068	WTS	LOOP	2038					M- M6-H- 8698	W714213				26927505
HM		241-068	WTS	LOOP	2039					M- M6-H- 8699	W714213				26927510
HM		241-068	WTS	LOOP	2043					M- M6-H- 8699	W714213				26927512
HM		241-070	WTS	LOOP	2047					M- M6-H- 8700	W713738				26927511
HM		241-070	WTS	LOOP	2048					M- M6-H- 8701	W713736				26357901
HM		241-070	WTS	LOOP	2052					M- M6-H- 8700	W714302				26927513

(FL & FM - F Tank Farm) (HA-200H) (HE-ETF) (HG-NWTF) (HL & HM - H Tank Farm)

SORT BY AREA-SYSTEM-SEQ. NUMBER-SEQ. SUB NUMBER-OLD LOOP NUMBER-IDP NUMBER FOR ALL AREAS EXCEPT ETF. ETF SORT BY THE ASSIGNED ITEM NUMBER UNTIL NEW PAID'S ARE COMPLETED

I-IX-G-0001
(Ref: WSRC-TR-94-400)

Report Run Date: 1/16/95
Report Run Time: 2:33:01 PM
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FC = Functional Class
OLN = Old Loop Number
SP = Setpoint
U = Units
A/I = Alarm/Interlock
LOOP = Loop description

FTF/HTF/ESP/ETF/NWTF ALARM/INTERLOCK SETPOINT DATABASE

CLI N										REFERENCE DRAWINGS		Basis Requirements and Info Status		IPI COORDINATOR				
FC	A	BLDG	SYS	FUN	SEQ	SUB	OLN	DESCRIPTION	SP	U	A/I	MAINT PROC.	OPS PROC.	M TYPE	W or OTHER TYPE	ASSIGNED NO.	IDP #	
HM		241-032	WW	LOOP	2019		8141	COLD FEEDS WW BREAK TK LEVEL CONTROL LOOP						M- M6-H- 8402	W800745	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926259
HM		241-032	WW	LOOP	2022		8143	COLD FEEDS WW BREAK TK TEMPERATURE LOOP						M- M6-H- 8402	W800745	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926260
HM		241-949	WW	LOOP	2055			WW SUPPLY COMPRESSOR PAD HEAT TRACE LOOP						M- M6-H- 8403	W702509	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926278
HE		241-032	WW	LOOP	5043			COLD FEEDS WW WASH WATER SPLY CONTROL LOOP						M- M6-H- 8402	W800746	☐ Required ☐ Not Required ☒ Undetermined	☐ Complete ☒ Incomplete ☐ Information Only	26926265