Nuclear Power Business Unit

TEMPORARY CHANGE REVIEW AND APPROVAL

Note: Refer to NP 1.2.3, Temporary Procedure Changes, for requirements.

I - INITIATION

Doc Number IT 10A Current Rev 11 Unit 1 Temp Change No. 2002-0324

Document Title Test of Elect - Driven Auxiliary Feed Pumps and Valves with Flow To U1 SGs

Existing Effective Temporary Changes None

Brief Description Add operation of HF-184 & HF-185, as was recently done in IT 10

(Identify specific changes on Form PBF-0026e, Document Review and Approval Continuation, and include with the package)

COPY

☒ Initiate PBF-0026h and include with the change.

Other documents required to be effective concurrently with the temporary change: None

Changes pre-screened according to NP 5.1.8? ☐ NO ☒ YES (Provide documentation according to NP 5.1.8)

Screening completed according to NP 5.1.8? ☒ NA ☐ YES (Attach copy)

Safety Evaluation Required? ☒ NO ☐ YES (If Yes, a revision may be processed or final reviews and approvals shall be obtained before implementing)

Determine if the change constitutes a Change Of Intent to the procedure by evaluating the following questions.
(If any answers are YES, a revision may be processed or final reviews and approvals shall be obtained before implementing)

Will the proposed change:	YES	NO
1. Require a change to, affect or invalidate a requirement, commitment, evaluation or description in the Current or ISFSI Licensing Basis (as defined in NP 5.1.8 and NP 5.1.7)?	☐	☒
2. Cause an increase in magnitude, significance or impact such that it should be processed as a revision?	☐	☒
3. Delete or modify a prerequisite, initial condition, precaution, limitation or other steps that could have safety significance or affect the procedure's margin of safety?	☐	☒
4. Delete QC hold points, Independent Verification or Concurrent Check steps without the related step(s) that require the performance also being deleted?	☐	☒
5. Change Tech Spec or other regulatory acceptance criteria other than for re-baselining purposes?	☐	☒
6. Require a change to the procedure Purpose or change the procedure classification?	☐	☒

Initiated By (print/sign) James R Miller / James R Miller Date 5/4/02

II - INITIAL APPROVAL

This change is correct and complete, can be performed as written, and does not adversely affect personnel or nuclear safety, or Plant operating conditions.

Group Supervisor (print/sign) Thomas B. Larson / Thomas B. Larson Date 5/4/02

(Cannot be the Initiator)

This change does not adversely affect Plant operating conditions. (Safety Related procedures only)

Senior Reactor Operator (print/sign) Bob Harvey / Bob Harvey Date 5/4/02

(Cannot be the Initiator or Group Supervisor)

III - PROCEDURE OWNER REVIEW

☐ Permanent ☒ One-time Use ☐ Expiration Date, Event or Condition: _____

☐ Hold change until procedure completed (final review and approval still required within 14 days of initial approval)

☐ QR/MSS Review NOT Required (Admin/NSR only) ☒ QR Review Required ☐ MSS Review Required (Reference NP 1.8.3)

Procedure Owner (print/sign) C. R. Capron / C. R. Capron Date 5/4/02

This Change and supporting requirements correctly completed and processed

IV - FINAL REVIEW AND APPROVAL

(Must be completed within 14 days of initial approval) (The Initiator, QR and Approval Authority shall be independent from each other)

QR/MSS (print/sign) C. R. Capron / C. R. Capron Date 5/4/02

Indicates 50.59/72.48 applicability assessed, any necessary screenings/evaluations performed, determination made as to whether additional cross-disciplinary review required, and if required, performed.

MSS Meeting No. _____

Approval Authority (print/sign) K. Salac / K. Salac Date 5/4/02

V - REVISION INFORMATION FOR PERMANENT CHANGES

Post Typing Review (print/sign) _____ / _____ Date _____

Indicates temporary change(s) incorporated exactly as approved and no other changes made to document.

Incorporated into Revision Number _____ Effective Date _____

N/A

Doc Number IT 10A Revision 11 Unit 1

Title Test of Elect Driven Auxiliary Feed Pumps and Valves With Flowrate Meas

Temporary Change Number 2002-032V

Description of Changes:

Step *	Change/Reason
5.20.2.a	Added These Steps To Shut AF-184 and
5.53.2.a	AF-185
5.20.9.a	Added These Steps To Realign AF-184 and
5.53.9.a	AF-185 To Open.
	This Change was required for proper Testing
	The Comparable steps from IT-10 were recently
	revised To include These ~~Steps~~ Valves. This Change
	is pre screened To IT-10 Per
	NP 5.1.8 Criteria #4

Other Comments

* Note: Recording of Step Number(s) is not required for multiple occurrences of identical information or when not beneficial to reviewers.

References: NP 1.1.3, NP 1.2.3

Point Beach Nuclear Plant

TEMPORARY CHANGE AFFECTED MANUAL LOCATION

Procedure Number IT 10A Revision 11 Unit 1

Title Test of Elect-Driven Auxiliary Feed Pumps and Valves with Flow to #1 SG

Temporary Change Number 2002-0324

I - IMMEDIATELY AFTER INITIAL APPROVAL ON PBF-0026e (Non-Intent changes)
(after Final Approval if change of intent involved)

This procedure change has been processed as follows: (Manual/Location)	Date Performed
☐ Copy included in work package for field implementation. (WO No. _____)	
☐ Copy filed in Control Room temp change binder (Operations only).	
☒ Original change package provided to GRG to obtain Procedure Owner Review (e.g., Owner review may be coordinated by In-Group OA II, Procedure Writer, Procedure Supervisor, etc.).	5-6-02
☐	
☐	
☐	
☐	
☐	

Performed By (print and sign) Carol Schroeder /Carol Schroeder Date 5-6-02

II - PROCEDURE OWNER REVIEW ON PBF-0026e
(may be performed by OA II, Procedure Writer, etc.)

This procedure change has been processed as follows: (Manual/Location)	Date Performed
☐ Copy sent to Document Control Distribution Lead for Master File. (Not required for one-time use change)	
☐ Copy filed in Group satellite file. (Not required for one-time use changes.)	
☐ Copy filed in Group one-time use file.	
☒ Original Temp Change provided to KGS to obtain Final Approvals (e g., final approval may be coordinated by In-Group OA II, Procedure Writer, Procedure Supervisor, etc.)	5-6-02
☐	
☐	
☐	
☐	
☐	
☐	

Performed By (print and sign) Carol Schroeder /Carol Schroeder Date 5-6-02

Point Beach Nuclear Plant

10 CFR 50.59/72.48 PRE-SCREENING REVIEW

Brief Activity Title or Description: **Temp Change to IT-10A**

This form is required to be completed and attached to the applicable activity change forms (i.e., PBF-0026a/c, etc.) to document use of Pre-screening Criterion 3 through 6 for 10 CFR 50.59 / 72 48 review of proposed changes (see NP 5.1.8, 10 CFR 50.59/72.48 Applicability, Screening and Evaluation (New Rule) Section 4.6 and Attachment A.)

Pre-screening Criterion 3 - Activity Covered by Existing 10 CFR 50.59 / 72.48 Screening or Evaluation

Criterion 3 is ☒ Not Applicable to the proposed activity.

Identify the screening or evaluation number(s) (SE for old 50.59/72.48 rule evaluations, EVAL for new rule evaluations):
SCR / SE / EVAL #(s): SPEED # (NP 9.3.3, Rev. 3 or later ONLY):

If applicable, briefly summarize the parts of the proposed activity that are covered by Pre-screening Criterion 3.

Pre-screening Criterion 4 - Activity Covered by Existing Approved and Valid Plant Procedure

Criterion 4 is ☐ Not Applicable to the proposed activity.

Identify the applicable plant procedure.
Procedure number, revision and title:

If applicable, briefly summarize the parts of the proposed activity that are covered by Pre-screening Criterion 4.

The temp change to IT-10A was made so the test can be completed properly. Due to modifications to add backup nitrogen to the mini recirc valves, IT-10 was changed to include the newly added components. IT-10A was not included in the list of procedures that needed to be updated as a result of this modification. This change has already been incorporated into IT-10 Rev 44 which was screened for nuclear safety and licensing implications. This change exactly matches what is in IT-10 for performing a shut test of AF-133 and AF-153

Pre-screening Criterion 5 – NRC has Reviewed and Approved the Activity.

Criterion 5 is ☒ Not Applicable to the proposed activity.

Identify the NRC Safety Evaluation Report Number and/or Date.
NRC SER(s) # or Date(s):

If applicable, briefly summarize the parts of the proposed activity that are covered by Pre-screening Criterion 5.

Pre-screening Criterion 6 – Maintenance Activity (NOTE: Dry cask or ISFSI facility maintenance CANNOT use this criterion. A screening is required for dry cask or ISFSI facility maintenance.)

Criterion 6 is ☒ Not Applicable to the proposed activity.

If applicable, briefly summarize the parts of the proposed activity that are covered by Pre-screening Criterion 6.

VERIFY THAT NONE OF THE FOLLOWING CHANGES ARE PRE-SCREENED TO CRITERION 6:	Verified
No changes to structure, system or component design, performance, acceptance criteria, types of materials, torque values outside of vendor recommended values, etc. (NOTE: Use Criterion 3 for SPEEDs.)	☐

Point Beach Nuclear Plant

10 CFR 50.59/72.48 PRE-SCREENING REVIEW

No temporary alterations to support maintenance or modification installation will be in place longer than 90 days. (If there is any doubt whether the temporary alteration will be removed in 90 days, perform a screening.)	☐
No changes in acceptance criteria in technical specification surveillance or post-maintenance test procedures.	☐

10 CFR 50.59/72.48 PRE-SCREENING REVIEW CONCLUSION

Preparer and Reviewer signatures below signify that the portions of the proposed activity as described above are within the scope of Prescreening Criteria 3, 4, 5, or 6 of NP 5.1.8.

EITHER preparer **OR** reviewer shall be 50.59/72.48 screening or evaluation qualified.

Performed By	**Ryan Rode**	/	Date	05/04/2002
	Name (Print)	Signature		
Reviewed By	James R Miller		Date	5/4/02
	Name (Print)	Signature		

Point Beach Nuclear Plant

PROCEDURE RECORD AND FIELD COPY TRACKING

Record/Field Copy Identification

RECORD

Field Copy Number

RED - Record Copy; BLACK - Field Copy

Procedure Number IT-10A Unit 1 Revision Number 11

Procedure Title Test of Electric Driven AUX Feed Pumps U1 Flow to U1 S/G Revision Date June 5/2001

Procedure Revision Checked and Current; Tracking Checked for Temporary Changes:

By Ryan Roose Date 5/4/02

Record Copy Holder/Location CO / Control Room

FIELD COPY DISTRIBUTION			
Copy No.	Holder/Location	Issue Date	Return Date
1	AO / AUX Feed Room	5/4/02	
2			
3			
4			
5			
6			
7			
8			
9			
10			

NOTE 1: ANY TEMPORARY CHANGES MADE TO THIS PROCEDURE SHALL BE MADE TO THE RECORD COPY AND ALL OTHER FIELD COPIES THAT HAVE BEEN ISSUED.

NOTE 2: RETURN ALL FIELD COPIES TO THE HOLDER OF THE RECORD COPY UPON PROCEDURE COMPLETION.

IT 10A

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED PUMPS AND VALVES WITH FLOW TO UNIT 1 STEAM GENERATORS (QUARTERLY)

DOCUMENT TYPE: Technical

CLASSIFICATION: Safety Related

REVISION: 11

EFFECTIVE DATE: July 5, 2001

REVIEWER: Qualified Reviewer

APPROVAL AUTHORITY: Department Manager

PROCEDURE OWNER (title): Group Head

OWNER GROUP: Operations

Verified Current Copy: _____ _____ _____
Signature Date Time

List pages used for Partial Performance

Controlling Work Document Numbers

993945 3

INITIALS

4.0 INITIAL CONDITIONS

4.1 This test is being done to satisfy:
_X_ The normally scheduled callup. Task sheet No. 9939453.

NOTE: If this test is being performed to satisfy PMT or off-normal frequency requirements, Shift Management may N/A those portions of the procedure that are NOT applicable for the performance of the PMT. The use of N/A is NOT acceptable for Initial Conditions, Precautions and Limitations, or procedure steps that pertain to the equipment requiring PMT, nor is it acceptable for restoration of equipment/components unless the component has been declared inoperable.

NOTE: If this test is being performed to satisfy pump PMT requirements any vibration levels above 0.325 ips measured at any ASME Section XI Code required location shall be evaluated by engineering prior to declaring the pump operable.

_____ Post maintenance operability test
Equipment ID _____
WO No(s). _____
Task Sheet No.(s) _____
_____ Special test - no numbers. Explain:_____ BT

4.2 Auxiliary feed system lined up for critical operation per CL 13E Part 2, Auxiliary Feedwater Valve Lineup Motor-Driven.. MH

4.3 Standby emergency power shall be available to the 4160 V safeguards buses 1A05, 1A06, 2A05, 2A06, or the component(s) to be tested is/are in the same train that is out of service. MH

4.4 Chemistry notified about auxiliary feed injection. MH

4.5 Reactor power reduced a minimum of 2% OR to a power level directed by DSS. (Mark step N/A if in CTS: Hot or Cold Shutdown {ITS: Modes 3, 4, 5, 6, & defueled}) MH

4.6 **Permission to Perform Test**

The conditions required by this test are consistent with required plant conditions, including equipment operability. Permission is granted to perform this test.

DSS MH/DPW TIME 1602 DATE 5/4/02

INITIALS

NOTE: Attachment L shall be used to document performance of multiple step performance and to record data. A separate copy of Attachment L shall be prepared for each step series requiring multiple performance and all copies shall be attached to this procedure when the procedure is complete.

5.0 PROCEDURE

5.1 IF in CTS: cold shutdown {ITS: Modes 5, 6, or defueled},
THEN verify the following:
(Otherwise mark this step as N/A)

- The Steam Generators are drained to a level sufficient to accept AFW flows. NA RNP
- The RCS is NOT solid. NA RNP

NOTE: When operability testing of Train A is NOT required, then N/A Steps 5.2 through 5.33.

5.2 TRAIN A TEST

5.2.1 IF performing Section 5.2,
THEN the following auxiliary feedwater pumps with their associated flow paths, are operable as applicable.
(N/A the step that is NOT applicable.)

a. For two-unit operation:

P-38B, 1P-29, and 2P-29 are operable NA RNP

b. For single-unit operation:

P-38B and 1P-29 are operable for Unit 1
OR
P-38B and 2P-29 are operable for Unit 2 RNP

5.2.2 IF sufficient qualified operators are NOT available on shift to support Step 5.2.3,
THEN consider the equipment unavailable per Maintenance Rule AND N/A Step 5.2.3. RNP

INITIALS

5.2.3 Assign a Level 4 Dedicated Operator in the Control Room AND a Level 4 Dedicated Operator in the field per OM 3.26, Use of Dedicated Operators, to perform the restoration steps of Attachment J, if required. (Otherwise mark this step as N/A) NA

5.3 Enter a CTS: LCO {ITS: Action Condition} for P-38A.
(N/A this step if not required for current plant conditions per CTS: Technical Specification 15.3.4 {ITS: 3.7.5})

TIME 1632 ~~1633~~ 5/3/02 DATE 5/3/02

5.4 IF an Auxiliary Feedwater Initiation is required during the performance of this test,
THEN immediately perform Attachment J to recover Train A.
(N/A this step if not required.) NA

INITIALS

5.14 Check AF-4007, P-38A AFP Mini-Recirc Control, mini-recirculation valve open. RDP

5.15 Check mini-recirculation flow equal to or greater than 70 gpm on FIT-4050A. RDP for JCA

5.16 Check the packing glands for excessive leakage or overheating. RDP for JCA

5.17 Check pump and motor for unusual noise or overheating. RDP for JCA

5.18 **WHEN** P-38A has run for five-minutes,
THEN record the following on Attachment B.

- PI-4011, Pump Discharge Pressure.
- PI-4010A, Pump Suction Pressure.
- FIT-4050A, Mini-Recirculation Flow.
- Recirculation Flow Vibration Data. RDP for JCA

INITIALS

5.46 Check AF-4014, P-38B AFP Mini-Recirc Control, mini-recirculation valve open. RDP

5.47 Check mini-recirculation flow equal to or greater than 70 gpm on FIT-4050B. RDP for JCA

5.48 Check packing glands for excessive leakage or overheating. RDP for JCA

5.49 Check the pump and motor for unusual noise or overheating. RDP for JCA

5.50 **WHEN** P-38B has run for five-minutes,
THEN record the following data on Attachment F:

- PI-4018, Pump Discharge Pressure
- PI-4017A, Pump Suction Pressure
- FIT-4050B, Mini-Recirculation Flow
- Recirculation Flow Vibration Data

RDP for JCA

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED PUMPS AND VALVES WITH FLOW TO UNIT 1 STEAM GENERATORS (QUARTERLY)

REMARKS SECTION: This test meets the quarterly requirements for IT-10 with the exception of AF-4020, AF-4022, 2AF-103 & 2AF-105. These values will be tested via separate procedure and task sheet (wo# 0203497) at the appropriate condition during the unit startup from U2R25.

B. Vasauk 3/19/02

ATTACHMENT B
P-38A, AFW PUMP PERFORMANCE DATA (RECIRCULATION FLOW)

NOTE 1: **The data recorded on Attachment B is for information only.**

NOTE 2: **Vibration points which are shaded must be recorded by the Micro-logger but are NOT required to be transferred to the table. Only points marked A, B, C, D, and E must be transferred to the table and are required for ASME Section XI. See Figure 1 for locations.**

Step No.	Parameter Measured	Units	Reading	Acceptance Criteria	Initials
5.10.3	PI-4010A, P-38A AFP Suction Pressure	psig	16.1	N/A	RDP for JCA
5.13	PI-4010A, P-38A AFP Suction Pressure	psig	15.9	>7	RDP for JCA
5.18	PI-4011 Pump Discharge Pressure	psig	1310	N/A	RDP for JCA
5.18	PI-4010A, P-38A AFP Suction Pressure	psig	15.9	N/A	RDP for JCA
5.18	FIT-4050A, Mini-Recirc Flow	gpm	75.8	N/A	RDP for JCA

5.18	Recirculation Flow Vibration Data	INSTRUMENT	UNITS	READINGS
P38A 1V ips	Note 2	Micro-logger	IPS pk	
P38A 1H ips	Note 2	Micro-logger	IPS pk	
P38A 1H ae	Note 2	Micro-logger	G env	
P38A 1H acc	Note 2	Micro-logger	G pk	
P38A 1A ips	Note 2	Micro-logger	IPS pk	
P38A 2V ips	Note 2	Micro-logger	IPS pk	
P38A 2H ips	Note 2	Micro-logger	IPS pk	
P38A 2H ae	Note 2	Micro-logger	G env	
P38A 2H acc	Note 2	Micro-logger	G pk	
P38A 2A ips	Note 2	Micro-logger	IPS pk	
P38A 3V ips	Note 2	Micro-logger	IPS pk	
P38A 3H ips	Note 2	Micro-logger	IPS pk	
P38A 3H ae	Note 2	Micro-logger	G env	
P38A 3H acc	Note 2	Micro-logger	G pk	
P38A 4V ips	Note 2	Micro-logger	IPS pk	
P38A 4H ips	Note 2	Micro-logger	IPS pk	
P38A 4H ae	Note 2	Micro-logger	G env	
P38A 4H acc	Note 2	Micro-logger	G pk	
P38A 4A ips	Note 2	Micro-logger	IPS pk	

ATTACHMENT F
P-38B, AFW PUMP PERFORMANCE DATA (RECIRCULATION FLOW)

NOTE 1 : The data recorded on Attachment F is for information only.

NOTE 2: Vibration points which are shaded must be recorded by the Micro-logger but are NOT required to be transferred to the table. Only points marked A, B, C, D, and E must be transferred to the table and are required for ASME Section XI. See Figure 1 for Locations.

Step No.	Parameter Measured	Units	Reading	Acceptance Criteria	Initials
5.42.3	PI-4017A, P-38B AFP Suction Pressure	psig	15.8	N/A	RDP for JCA
5.45	PI-4017A, P-38B AFP Suction Pressure	psig	15.6	>7	RDP for JCA
5.50	PI-4018 Pump Discharge Pressure	psig	1305	N/A	RDP for JCA
5.50	PI-4017A, P-38B AFP Suction Pressure	psig	15.6	N/A	RDP for JCA
5.50	FIT-4050B, Mini-Recirc Flow	gpm	74.6	N/A	RDP for JCA

5.50	Recirculation Flow Vibration Data	INSTRUMENT	UNITS	READINGS
P38B 1V ips	Note 2	Micro-logger	IPS pk	
P38B 1H ips	Note 2	Micro-logger	IPS pk	
P38B 1H ae	Note 2	Micro-logger	G env	
P38B 1H acc	Note 2	Micro-logger	G pk	
P38B 1A ips	Note 2	Micro-logger	IPS pk	
P38B 2V ips	Note 2	Micro-logger	IPS pk	
P38B 2H ips	Note 2	Micro-logger	IPS pk	
P38B 2H ae	Note 2	Micro-logger	G env	
P38B 2H acc	Note 2	Micro-logger	G pk	
P38B 2A ips	Note 2	Micro-logger	IPS pk	
P38B 3V ips	Note 2	Micro-logger	IPS pk	
P38B 3H ips	Note 2	Micro-logger	IPS pk	
P38B 3H ae	Note 2	Micro-logger	G env	
P38B 3H acc	Note 2	Micro-logger	G pk	
P38B 4V ips	Note 2	Micro-logger	IPS pk	
P38B 4H ips	Note 2	Micro-logger	IPS pk	
P38B 4H ae	Note 2	Micro-logger	G env	
P38B 4H acc	Note 2	Micro-logger	G pk	
P38B 4A ips	Note 2	Micro-logger	IPS pk	