

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 T-10
 (Identify specific changes on Form PBF-0026e, Document Review and Approval Continuation, and include with the package)

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)

COPY

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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Cause an increase in magnitude, significance or impact such that it should be processed as a revision?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Delete QC hold points, Independent Verification or Concurrent Check steps without the related step(s) that require the performance also being deleted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Change Tech Spec or other regulatory acceptance criteria other than for re-baselining purposes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Require a change to the procedure Purpose or change the procedure classification?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initiated By (print/sign) James R. Miller [Signature] 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 [Signature] 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) Rob Harvey [Signature] 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 1.2.3)
 Procedure Owner (print/sign) C. R. Capron [Signature] 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 [Signature] 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) TC Solari [Signature] 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 11/15

Doc Number IT 10A Revision 11 Unit 1
 Title Test of Elect Driven Auxiliary Feed Pumps and Valves With Fluted 156s
 Temporary Change Number 2002-0324

Description of Changes:	
Step *	Change/Reason
5-20.2.u	Added these steps to shut AF-184 and AF-185
5-53.2.u	
5-20.9.a	Added these steps to Re-align AF-184 and AF-185 To Open.
5-53.9.a	
	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.

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 all SBs
 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
<input type="checkbox"/> Copy included in work package for field implementation. (WO No. _____)	
<input type="checkbox"/> Copy filed in Control Room temp change binder (Operations only).	
<input checked="" type="checkbox"/> Original change package provided to <u>GRG</u> to obtain Procedure Owner Review (e.g., Owner review may be coordinated by In-Group OA II, Procedure Writer, Procedure Supervisor, etc.).	<u>5-6-02</u>
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

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
<input type="checkbox"/> Copy sent to Document Control Distribution Lead for Master File. (Not required for one-time use change)	
<input type="checkbox"/> Copy filed in Group satellite file. (Not required for one-time use changes.)	
<input type="checkbox"/> Copy filed in Group one-time use file.	
<input checked="" type="checkbox"/> Original Temp Change provided to <u>KGS</u> to obtain Final Approvals (e.g., final approval may be coordinated by In-Group OA II, Procedure Writer, Procedure Supervisor, etc.)	<u>5-6-02</u>
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

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: <u>Temp Change to IT-10A</u>	
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 <input checked="" type="checkbox"/> 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): <u>SPEED # (NP 9.3.3, Rev. 3 or later ONLY):</u>	
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 <input type="checkbox"/> 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 <input checked="" type="checkbox"/> 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 <u>CANNOT</u> use this criterion. A screening is required for dry cask or ISFSI facility maintenance.)	
Criterion 6 is <input checked="" type="checkbox"/> 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 <u>NONE</u> 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.)	<input type="checkbox"/>

Point Beach Nuclear Plant
10 CFR 50.59/72.48 PRE-SCREENING REVIEW


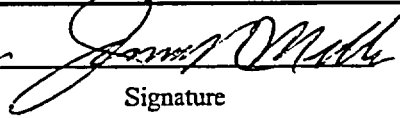
Page 2 of 2

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.)	<input type="checkbox"/>
No changes in acceptance criteria in technical specification surveillance or post-maintenance test procedures.	<input type="checkbox"/>

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

Field Copy Number

RECORD

RED - Record Copy; BLACK - Field Copy

Procedure Number IT-10A Unit 1 Revision Number 11
 Procedure Title Test of Electric Driven AUX Feed Pumps w/ Revision Date June 5/2001
Flow to UI S/C
 Procedure Revision Checked and Current; Tracking Checked for Temporary Changes:
 By RYAN ROBE Date 5/4/02
 Record Copy Holder/Location CO / Control Room

FIELD COPY DISTRIBUTION			
Copy No.	Holder/Location	Issue Date	Return Date
1	<u>AO / AUX Feed Room</u>	<u>5/4/02</u>	
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

993 9453 _____

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

INITIALS

4.0 INITIAL CONDITIONS

- 4.1 This test is being done to satisfy:
 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.

WA

- 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.

WA

- 4.4 Chemistry notified about auxiliary feed injection.

WA

- 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})

WA

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 WA/DPW TIME 1602 DATE 5/4/02

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

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.
- The RCS is NOT solid.

NA RRP
NA RRP

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 RRP

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

RRP

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.

RRP

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

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 [Signature]

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~~ DATE 5/3/02
_{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 [Signature]

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

INITIALS

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

RRP

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

RRP for JCA

5.16 Check the packing glands for excessive leakage or overheating.

RRP for JCA

5.17 Check pump and motor for unusual noise or overheating.

RRP 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.

RRP for JCA

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

INITIALS

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

RDJ

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

RDJ for JCA

5.48 Check packing glands for excessive leakage or overheating.

RDJ for JCA

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

RDJ 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

RDJ 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 02R25.

B. Gosauk 3/19/02

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

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	FTT-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	

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

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	RDW for JCA
5.45	PI-4017A, P-38B AFP Suction Pressure	psig	15.6	>7	RDW for JCA
5.50	PI-4018 Pump Discharge Pressure	psig	1305	N/A	RDW for JCA
5.50	PI-4017A, P-38B AFP Suction Pressure	psig	15.6	N/A	RDW for JCA
5.50	FTT-4050B, Mini-Recirc Flow	gpm	74.6	N/A	RDW 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	