

Nuclear Power Business Unit  
**TEMPORARY CHANGE REVIEW AND APPROVAL**

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

Page 1 of \_\_\_\_\_

**I - INITIATION**

Doc Number IT 10 Current Rev 43 Unit PB0 Temp Change No. 2002-0047  
 Document Title Test of Electric Driven Auxiliary Feed Pumps and Valves  
 Existing Effective Temporary Changes none  
 Brief Description see PBF-26C  
(Identify specific changes on Form PBF-0026c, 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)

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)

	YES	NO
Will the proposed change:		
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) K Sokol K Sokol Date 2/5/02

**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) MIKE MILLER Mike Miller Date 2/5/02  
(Cannot be the Initiator)

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

Senior Reactor Operator (print/sign) M. Miller M. Miller Date 2/5/02  
(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/MNSR only)  QR Review Required  MSS Review Required (Reference NP 1.6.5)

Procedure Owner (print/sign) C. P. Carson C. P. Carson Date 2/6/02  
 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. P. Carson C. P. Carson Date 2/6/02  
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) DAVID DWAK David Dwak Date 2/6/02

**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 A1147



Point Beach Nuclear Plant  
**TEMPORARY CHANGE AFFECTED MANUAL LOCATION**

Page \_\_\_\_\_ of \_\_\_\_\_

Procedure Number IT 10 Revision 43 Unit PB0  
 Title Test of Electric Driven AFW Pumps and Valves  
 Temporary Change Number TCN 2002-0047

**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 checked="" type="checkbox"/> Copy included in work package for field implementation. (WO No. _____)	2/5/02
<input type="checkbox"/> Copy filed in Control Room temp change binder (Operations only).	N/A
<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.)	2/4/02
<input type="checkbox"/>	

Performed By (print and sign) K. S. [Signature] Date 2/4/02

**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>GRG</u> to obtain Final Approvals (e.g., final approval may be coordinated by In-Group OA II, Procedure Writer, Procedure Supervisor, etc.)	2/4/02
<input type="checkbox"/>	

Performed By (print and sign) K. S. [Signature] Date 2/4/02

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

Brief Activity Title or Description: **IT 10 Test of Electric Driven AFW Pumps and Valves**

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):

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: **CL-13E part 2**

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

Step 5.60.10 aligns AF-185 in accordance with CL-13E part 2

**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.

Steps added to IT 10 are for inservice testing of check valve AF-153. Surveillance testing with the equipment OOS and TS LCO addressed is considered a maint activity. Shutting of AF-185 is done to remove a load (the down stream regulator has a bleed off) which would give false indication of check valve leakage. The other steps added are steps already contained in IT 10 or were as found alignments and are necessary to establish testing pressure and configuration. A new colume was added to att H to recored the presssure obtained in step 5.60 6 c Final alignment remains unchanged.

**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.

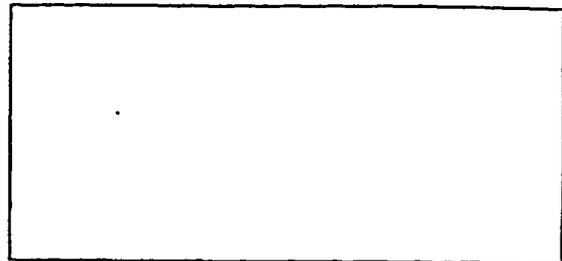


Point Beach Nuclear Plant  
**PROCEDURE RECORD AND FIELD COPY TRACKING**

Record/Field Copy Identification



Field Copy Number



RED - Record Copy; BLACK - Field Copy

Procedure Number FT-10 Unit 0 Revision Number 43  
 Procedure Title TEST of BBA & P3813 Revision Date 7/5/01  
 Procedure Revision Checked and Current; Tracking Checked for Temporary Changes: -  
 By M Miller Date 2/5/02  
 Record Copy Holder/Location CO

FIELD COPY DISTRIBUTION			
Copy No.	Holder/Location	Issue Date	Return Date
1	<u>CO</u>	<u>2/5/02</u>	<u>2/5/02</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 10

TEST OF ELECTRICALLY-DRIVEN  
AUXILIARY FEED PUMPS AND  
VALVES (QUARTERLY)

DOCUMENT TYPE: Technical

CLASSIFICATION: Safety Related

REVISION: 43

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  
1-6, 20-36, 43-49, 51,  
52, 53

Controlling Work Document Numbers  
9935751 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (QUARTERLY)

INITIALS

4.0 INITIAL CONDITIONS

4.1 This test is being done to satisfy:

X The normally scheduled callup. Task sheet No. 9935751.

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.

X Post maintenance operability test  
Equipment ID P-388 oil change, Motor MCE  
WO No(s). 9935753, 9930536 MCE  
Task Sheet No.(s) OILCHANGE  
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.

TJ

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.

TJ

4.4 Chemistry notified about auxiliary feed injection.

Yes

4.5 Reactor power on both Units is 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})

TJ

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (QUARTERLY)

INITIALS

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 [Signature] TIME 1831 DATE 2/5/02

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 FW flows.
- The RCS is NOT solid.

N/A [Signature]  
N/A [Signature]

NOTE: When operability testing of Train A is NOT required, then N/A Steps 5.2 through 5.38.

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.

N/A [Signature]

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.

N/A [Signature]

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (QUARTERLY)

INITIALS

NOTE: DSS permission is required to proceed with Step 5.39.

NOTE: When operability testing of Train B is NOT required, then N/A Steps 5.39 through 5.75.

5.39 TRAIN B TEST

5.39.1 IF performing Section 5.39,  
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-38A, 1P-29, and 2P-29 are operable.

YPS

b. For single-unit operation:

P-38A and 1P-29 are operable for Unit 1.

OR

P-38A and 2P-29 are operable for Unit 2.

N/A <sup>409</sup>

5.39.2 IF sufficient qualified operators are NOT available on shift to  
support Step 5.39.3,  
THEN consider the equipment unavailable per Maintenance Rule  
AND N/A Step 5.39.3.

N/A <sup>409</sup>

5.39.3 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 K, if required. (Otherwise mark this step as N/A)

YPS

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

TIME 0600 DATE 2-5-02

YPS

5.41 IF at any time during the performance of this test an Auxiliary Feedwater  
Initiation is required,  
THEN immediately perform Attachment K to recover Train B. (N/A this  
step if NOT required.)

N/A

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (QUARTERLY)

INITIALS

NOTE: P-38B suction pressure trip is set at 6.5 psig (with a 20 second time delay).

5.52 Verify P-38B suction pressure as read on PI-4017A is greater than the 7.0 psig low suction pressure alarm setpoint. Record on Attachment F.

Yes for WRS

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

Yes

5.54 Check mini-recirculation flow equal to or greater than 70 gpm on FIT-4050B. <sup>73.6</sup>

Yes for WRS

5.55 Check packing glands for excessive leakage or overheating.

Yes for WRS

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

Yes for WRS

5.57 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

Yes for WRS

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (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
5.49.3	PI-4017A, P-38B AFP Suction Pressure	psig	15.9	N/A	YPS
5.52	PI-4017A, P-38B AFP Suction Pressure	psig	15.7	>7	YPS
5.57	PI-4018 Pump Discharge Pressure	psig	1305	N/A	YPS for WPS
5.57	PI-4017A, P-38B AFP Suction Pressure	psig	15.7	N/A	YPS for WPS
5.57	FIT-4050B, Mini-Recirc Flow	gpm	73.8	N/A	YPS for WPS
5.57	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	

TEST OF ELECTRICALLY-DRIVEN AUXILIARY FEED  
PUMPS AND VALVES (QUARTERLY)

Remarks:

The ~~quarterly~~ <sup>or</sup> "A" train testing will be completed via a separate procedure following "A" train MATN work. B. Vesovic.

① 5.42.1 adh were re-performed due to error with stop watch. Correct "2nd time" data recorded on Att "E," and noted on Att "L."

② REPERFORMED STEPS AFTER REPLACEMENT OF N<sub>2</sub> REGULATOR.

③ CONTINUING WITH IT-10 D P3DB NOT AVAILABLE

Performed By:

Bruce Tesarik <u>Bruce Vesovic</u>	12-17-01 / 1205	<u>BT</u>
Performer (Print and Sign)	Date Time	Initials
Lee R Stock <u>Lee R Stock</u>	2-5-02 / 1625	<u>LRS</u>
Performer (Print and Sign)	Date Time	Initials
T JESSKY <u>T J Jessky</u>	2-5-02 / 1757	<u>TJ</u>
Performer (Print and Sign)	Date Time	Initials
Rick Inman <u>Rick Inman</u>	2/6/02 / 2330	<u>RI</u>
Performer (Print and Sign)	Date Time	Initials
DC Pond <u>DC Pond</u>	2/6/02 / 0545	<u>DCP</u>
Performer (Print and Sign)	Date Time	Initials
Mike Miller <u>Mike Miller</u>	2/6/02 / 1055	<u>MM</u>
Performer (Print and Sign)	Date Time	Initials

Reviewed By:

<u>J. P. ...</u>	2/6/02 / 0837	<u>J.P.</u>
Reviewer (Print and Sign)	Date Time	Initials