UNIT 2 TURBINE ROLL MILESTONE

.

25

-

1

CONSUMERS POWER COMPANY

February, 1984

2

. 4

6. M

100



TABLE OF CONTENTS

Ι.	Introduction
	1. Goals
	2. Key Systems Involved
	3. Brief Description of Turbine Roll
II.	Scope of Work
	1. Status Assessment / QVP Manhours
	2. Construction Manhours
III.	Prerequisites and Controls
	1. Training
	2. Release of STOP-WORK Order
	3. Method to Control the Work
IV.	Construction Completion Program (CCP) Activities
	1. Status Assessment
	2. Quality Verification Program
v.	Attachments
	1. List of Scoping Drawings
	2. System Module Reference
	3. List of Commodities
	4. CWP Sample
	5. CWR Sample
	6. Turbine Roll Schedule

- Introduction Ι.
 - 1. Goals

Consumers Power Company has established a goal of completing the Unit 2 Turbine Roll milestone in mid-1984, which would allow the following:

- Α. Permit early identification and resolution of secondary plant problems. This activity will allow us to demonstrate the operability of a significant portion of secondary systems that normally would not be addressed until Hot Functional Testing.
- Complete a significant portion of Midland Plant testing Β. activities during 1984. This will leave a smaller portion of the work for 1985 and 1986 and allow resources to be levelized. A significant portion of Non-Q work can be completed, with a small amount of Q work.
- Provide positive impact on people towards achieving plant С. completion.
- 2. Key Systems Involved
 - Main Steam A.

Turbine & Auxiliaries Β.

Control & Stop Valves

Lube Oil, EHC, H., Seal Oil & Gas, Stator Water Cooling, Steam Seals

Condenser & Auxiliaries С.

Air Ejectors

- Circulating Water & Auxiliaries
- Service Water for Secondary Plant Systems E.
- Feid Pump Turbines No load test-uncoupled F.

- G. Condensate Demineralizers
- H. Miscellaneous Plant Systems

Plant Air, LP Boilers & Steam Distribution, Plant Demineralized Water, etc.

3. Brief Description of Turbine Roll

97

The Turbine Roll of Midland Unit 2 is an event which will identify problems prior to Plant Hot Functional Tests (HFT). It will use temporary High Pressure Auxiliary Boulers to supply steam via the permanent plant piping. The goal of the Turbine Roll is to balance the turbine, perform pre-synchronization checkout (including Main Turbine Generator Initial Roll Procedure. 2 TP-TGS.02), and then synchronize with a 20 to 30 MV load for a short time.

The method to accomplish the actual Turbine Roll itself will almost exclusively use permanent in-plant equipment, with the exception of the steam supply. The Temporary High Pressure Boilers (OE-150A,B,C) will supply approximately 525,000 lbm/hr of steam at 900 psig and 570 F° (35 F° superheat). This steam is supplied to OEBD-3 (Main Steam to PSS) and will flow back to OEBD-53 and 54. The line will be pressurized up to the Main Steam Isolation Valves (MSIV) on Unit 2 and up to the Main Steam Transfer Valves (MSTV) on Unit 1.

From this point through to the condenser, all equipment will be expected to function as it would during HFT. The flowpath is through the control and stop valves, the High Pressure Turbine, the Moisture Separator-Reheater, and to the Low Pressure Turbine(s). The turbine

- 2 -

exhaust will then proceed through LP feedwater beaters, through the drain cooler, and into the condenser. Finally condensate is returned to the HP boilers by the condensate pumps using temporary jumpers into the PSS HP Condensate Return Line.

In addition to this main flowpath, a considerable amount of other equipment must also be available. The full condenser and vacuum systems are needed for support, as is the circulating water system. The LP Auxiliary Boilers will be needed to supply about 120,000 lbm/hr to various plant loads and about 100,000 lbm/hr to the HP Boiler Deaerator. Turbine Auxiliary Systems such as EHC, Lube Oil, Stator Water Cooling, H₂ Seal and Gas, and Steam Sealing must all be fully operable.

The actual process of initially rolling the turbine will involve tests at 100, 800, 1500 and 1800 rpm. The turbine will be tripped from 100, 800 and 1800 rpm, and the potential for a trip exists at any speed. While at 1800 rpm, the generator and exciter will be energized and synchronized, picking up a load of up to 20-30- MW for a short time (provided other plant conditions allow) and then tripped.

The two Feed Pump Turbines will be tested in an uncoupled mode as a part of the Turbine Roll evolution, but separately from the Main Turbine Unit. These tests will utilize many of the same systems utilized by the Main Turbine.

II. Scope of Work

1. Status Assessment / QVP Manhours

Status assessment and Quality Verification Program (QVP) work will be required in portions of seven modules to support the Unit 2 Turbine Roll milestone. For status assessment, only 6% of the estimated manhours are required for Turbine Roll; similarly, for QVP, only 3% of the estimated manhours are required for Turbine Roll.

		STATUS ASSESSMENT	QVP	
Α.	TOTAL ESTIMATE FOR SEVEN MODULES	12,800 MH	58,000 MH	
Β.	TURBINE ROLL PORTIONS ONLY	750 MH	1,740 MH	
	% B	6%	3%	

2. Construction Manhours

The scope of work for the Unit 2 Turbine Roll milestone involves approximately 60,000 manhours to go of direct craft construction work, and is expected to take about three months to complete. Approximately 10-15% of this work will be on portions of the following "Q"-listed systems:

1ABA-4	-	PTL Main Steam Pipe and Hangers
2ABA-1	-	Main Steam Supply and Drains
2ABA-2	-	Main Steam Supply and Drains (Main Steam
		Transfer Valves to Process Steam System)
2ABA-3	-	Steam Line to MSIV to Turbine Stops
2ABB-3	-	Main Steam Isolation Condenser and
		Atmospheric Dump
DDEC	-	Cooling Pond - Emergency Pond

OEAA - Service Water Supply System

Systems ODEC and OEAA have been turned over. The detailed scoping requirements for each of these systems is provided on drawings

- 4 -

listed in Attachment #1. These seven "Q"-listed systems are located in seven plant modules as shown on Attachment #2.

III. Prerequisites and Concrols

1. Training

Bechtel Power Corporation has sufficient number of non-manual employees trained prior to beginning of "Q" status assessment and manual employees prior to the start of "Q" work. Consumers Power Company has sufficient number of certified Quality Control engineers to perform the Quality Verification Program (QVP).

2. Release of STOP-WORK Order

Consumers Power Company considers the current mechanical stop-work order as a restraint to start of mechanical status assessment and QVP as outlined in this request.

- 3. Method to Control the Work
 - A. All "Q" work will be status assessed per FPG 7.500 and FPG 9.910 and quality verified per existing procedures. Commodity lists, CWPs, CWRs and punchlists will be developed to reflect quality and construction status. The results of these actions will be subject to CIO and management review and approvals.
 - B. All work will be controlled by Construction Work Plan (CWP) for the pre-turnover work or Contractors Work Request (CWR) for post-turnover work, see Attachments #4 and #5, as described in existing Procedures FPG 7.300, FPG 7.500, FPG 9.900, FPG 9.910 and FIT 1.100.¹

FPG 7.300 - Construction Work Plan FPG 7.500 - Area Release for Construction FPG 9.900 - Funchlist Development FPG 9.910 - Area Status Assessment FIT 1.100 - Contractor Work Request The Construction Work Plan (CWP), Section 4B, and the Construction General Services Organization (CGSO) Work Control Form per FPO 2.102², Section 3, identify rendering or not rendering "Q" items inaccessable. It is the intent that no future "Q" items will be rendered inaccessable for status assessment or Quality Verification.

C. Quality Work Plan (QWP)

Inspections and hold points will be controlled by the applicable Project Quality Control Instruction, as well as the Quality Work Package (QWP), for pre-turnover work and CWR, for post-turnover work. Use of QWPs and CWRs is described in Procedures T-3 and M-3.³

² FPO 2.102 - CGSO Work Control Form

3 T-3

1

- Control, Release and Handling for Construction Work Plans (CWP) and Quality Work Packages (QWP)

M-3

- Processing of Corrective Action Requests and Contractors Work Requests IV. Construction Completion Program (CCP) Activities

All aspects of work will be performed in accordance with the CCP. Consumers Power Complany is, however, requesting the ability to utilize the system priority release provisions of the existing CCP related procedures.

1. Status Assessment

All "Q" commodities as indicated in Attachments #3 and #3A will be status assessed by field engineers per FPG 7.500 and FPG 9.910.⁴ As a result of status assessment, all work to go will be punchlisted. CWPs or CWRs will be written in accordance with field procedures, FPG 7.300 and FIT 1.100.⁵ NCRs will be written as required.

 Quality Verification Program (QVP) MPQAD will determine the status of all open and closed IRs and perform reinspection as required.

Quality Verification Program is required in Module 800 (Service Water Structure) on turned over Systems OEAA (Service Water Supply) and ODEC (Cooling Pond - Emergency Pond) prior to flooding of the bays. The commodity list in Attachment #3A indicates those portions of the systems that will be under water after flooding the bays to support Technical Department Testing in March, 1984.

⁴ FPG 7.500 - Area Release for Construction FPG 9.910 - Area Status Assessment

⁵ FPG 7.300 - Construction Work Plan FIT 1.100 - Contractors Work Request

- 7 -

LIST OF DRAWINGS

1.	M 418-A	Service Water Cooling Tower and Pump Structure
2.	M 418-B	Service Water Cooling Tower and Pump Structure Ul & 2
3.	H 660-1	High Steam to Evaporator Building
4.	н 631-2	Main Steam & Turbine Steam Aux. & Turbine Building Ul
5.	Н 631-3	Main Steam & Turbine Steam Aux. & Turbine Building Ul
6.	н 632-2	Main Steam Turbine Steam Aux. & Turbine Building U2
7.	Н 632-3	Main Steam Turbine Steam Aux. & Turbine Building U2

SYSTEM MODULE REFERENCE

SYSTEM	1ABA-4	2ABA-1	2ABA-2	2ABA-3	2ABB-3	ODEC	OEAA
180		Х	х	х	х		
200	х			х			
420				х			
430				х			
620	Х						
630	х						
800						x	x

MODULE LOCATIONS

180	-	Turbine Building	-	Elev.	704' and above
200	-	Control Tower and Electrical Penetrations			
420	-	Turbine Building	-	Elev.	634'6"
430	-	Turbine Building Unit 2	-	Elev.	659'
620	-	Turbine Building	-	Elev.	634'6"
630	-	Turbine Building Unit 1	-	Elev.	659'
800	-	Service Water Pump Hous	е		

6

ATTACHMENT 3

SYSTEM 1ABA-4 STATUS ASSESSMENT AND QVP

		MODULE	
COMMODITY	200	620	630
WHIP RESTRAINT	2	6	4

SYSTEM 2ABA-1 STATUS ASSESSMENT AND QVP

COMMODITY			MODULE
6 RELIEF VALVES	2PSV3209 A & H	3	180
	2PSV3208 A & 1	3	180
	2PSV3207 A & 1	3	180
8 HANGERS	2-632-2-12	2-632-3-11	180
	2-632-2-13	2-632-3-12	180
	2-632-2-15	2-632-3-14	180
	2-632-2-30	2-632-3-16	180

SYSTEM 2ABA-2 STATUS ASSESSMENT & QVP

	MODULE		
COMMODITY	180		
WHIP RESTRAINTS	3		

SYSTEM 2ABA-3 STATUS ASSESSMENT AND QVP

COMMODITY		1	MODULES	
MECH	180	200	420	430
LG PIPE L/F	64	6		
SM PIPE L/F	4			
LG HANGER	1			
SM HANGER	0			-
LG VALVE	2			
SM VALVE	4			
LG WELDS	27	2		-
WHIP RESTRAINTS		4	4	4
ANCHORS		2	1.1.1	

SYSTEM 2ABB-3 STATUS ASSESSMENT AND QVP

COMMEDITY	MODULE
2 VALVES 2XV3211 A & B	180

SYSTEM ODEC STATUS ASSESSMENT AND QVP

COMMODITY	MODULE
4 HANGERS	800
30-OHBC-34-H-1	800
30-OHBC-16-H-19	800
30-OHBC-33-H-3	800
30-OHBC-20-H-20	800

SYSTEM OEAA QVP ONLY

COMMODITY	QUANTITY	MODULE
LG PIPE L/F	72	800
SM PIPE L/F	10	800
PUMPS	5	800
HANGERS	8	800
DIP TUBES	6	800
SLUICE GATE	6	800
LEVEL ELEMENT	4	800
TEMP. ELEMENT	1	800
CABLES	4	800

Attachment 4

And in case of the local data was a second data was a second data was a second data was a second data was a se	ELECT.	MECH.	METR.	TE	AM	SYS/AREA		DISC	PLAN NO
		X		\odot	18	- OHBED	-	M	- 1563
•	NON-C	. Q-INTER	ACE	ARE	A REL	EASED /REL	- NO.		
M W	ORK WELL NO	T RENDER	NY Q ITEMS	NAC	CESSI	BLE 49	WO	RK MAY	RENDER
Q ITEM	S INACCESSI	OLE-SEE AT	TACHMENT E			1 01		i i	
OCATIO	N: BLDG	Aux.		_ EL	EV.	029-3	_ ROO	DM_13	39
PUNCHL	IST ITEM NO.	(3) 48	7						
	ENTITY NO.'S	0607	-15-027	HOA	7				
	enou Ha	nger sk	ietch #	0-	607.	15-27 0	all	FOR	Y16 "
lear	ance be	tween	pipe a	nd 1	Rise	R Clam	P		
							'		
adjus	+ the c	lamp to	hold t	he	116"	cleakar	ice	as	shown
in th	e hange	R sketc	h						
	J								
		NAME AND ADDRESS OF TAXABLE PARTY.	and the solution of the soluti	Active Designation of the local division of	State of the local division of the local div	and the second s			
	APERS REO'	.TYPE N	A						
WELD P	APERS REQ'	0./TYPE_M		s		() U	NIQU		RIAL
WELD P	APERS REQ'I	0./TYPE_N		s		(2) U		E MATER	RIAL P.O.
PACKAG	APERS REQ'	D./TYPE		S		() U		E MATER	RIAL P.O.
WELD P PACKAG	APERS REQ'I	D./TYPE_N		S				E MATER	RIAL P.O.
PACKAG	APERS REQ'I	D./TYPE	A DRILL PERMIT	s up-	DATE			E MATER	RIAL P.O.
WELD P PACKAG	APERS REO'	D./TYPE	ADRILL PERMIT	S UP-	DATE YES	10 U	NIQUI	E MATER	P.O.
WELD P PACKAG	APERS REQ'I	D./TYPE	ADRILL PERMIT	S UP-	DATE YES PLETE	12 U		CWR N	RIAL P.O.
WELD P PACKAC	APERS REQ'I	D./TYPE	ADRILL PERMIT	S UP-I IRED? E COM	DATE YES PLETE on	12 U		CWR N	RIAL P.O.
WELD P	APERS REO'	0./TYPE	ADRILL PERMIT	S UP-I IRED? E COM	DATE YES PLETE on	12 U		CWR N	RIAL P.O.
FIELD E	APERS REQ'I	D./TYPE_N D./TYPE_N	A RILL PERMIT IV A ALCS STATU TATUS REQU TUS UP-DATE Author	S UP-	DATE YES PLETE ON	12 U		CWR N	RIAL P.O.
FIELD E	NGINEER	D./TYPE	A RILL PERMIT NA ALCS STATU TATUS REQU TUS UP-DATE Author Author Author	S UP-I IRED? E COM	DATE YES PLETE ON EAM QU	NO		CWR N	RIAL P.O. N/A DATE DATE
FIELD E	APERS REQ'I	D./TYPE_N D./TYPE_N	A PRILL PERMIT IN A ALCS STATU TATUS REQU TUS UP-DATE Author Author ATE	S UP-I IRED? E COM	DATE YES PLETE ON EAM QU	12 U		CWR N	RIAL P.O. N/A DATE DATE
FIELD E TEAM S CWP A	APERS REQ'I DE DOC.: DOC	D./TYPE_N D./TYPE_N	ADRILL PERMIT	S UP-INRED? E COM	DATE YES PLETE ON EAM QU	12 U		CWR N	RIAL P.O. N/A DATE DATE DATE
FIELD E TEAM S CWP R	APERS REQ'I	0./TYPE	A PRILL PERMIT NA ALCS STATU TATUS REQU TUS UP-DATE Author Auth	S UP-I IRED? E COM Drizati	DATE YES PLETE ON EAM QU	12 U		CWR N	RIAL P.O. N/A DATE DATE DATE
FIELD E TEAM S CWP R	APERS REQ'I	D./TYPE_N D./TYPE_N	A PRILL PERMIT NA ALCS STATU TATUS REQU TUS UP-DATE Author Author Verit	S UP-I IRED? E COM Drizati	DATE YES PLETE ON EAM QU	12 U		CWR N	RIAL P.O. N/A DATE DATE DATE
FIELD E TEAM S CWP A CWP R	APERS REQ'I DE DOC.: DOC	D./TYPE_N () D () D (A RILL PERMIT IVA ALCS STATU TATUS REQU TUS UP-DATE Author Author Verit DATE	S UP-INRED? E COM	DATE YES PLETE ON EAM QU :PCO	12 U		CWR N	RIAL P.O. NATE DATE DATE DATE
FIELD E TEAM S CWP R	APERS REQ'I	D./TYPE	A PRILL PERMIT NA ALCS STATU TATUS REQU TUS UP-DATE Authon Authon Verified DATE	S UP-I IRED? E COM Drizati	DATE YES PLETE ON EAM QU PCO	12 U		CWR N	RIAL P.O. N/A DATE DATE DATE DATE

.

			CONTRA	JOB 722	RK REQUEST 0 T 1 & 2	Att	achment 5
CATEGORY	UNIT	HEC	DISC SE	N/A RIAL NO.		*DAT	1-30-89
Rewor OHCD Mon Tur	k exil 612 is Tur nendo	and of ned ove	ang H HCD 31 c. (OHE stem	CP anger 31. Ha. C) W OHEF.	CoReference (Field Std., nger Suppor lork is Yeq.) 2"0 ts 2"0 wred t	HCD-167, HCD-331 o Complete
*Required Isolatio	on (Note app	olicable valves a	nd/or breaker	nos. and posit	tion)	Re	ferences
ORIGINATO	R HTEL GI CCEPTANCI	Q PROG Q.LIST 2 TZ EX Disc. Supr E OF WORK CTTZ	RAM NON-2 7436	CATEGO Date Date Bechtel "Q" P	C QC Engineer_	E REQU YES Date 2	AGE REQUIRED REQUIRED YES NO YES NO YES NO YES NO YES NO YES NO YES NO YES NO
Work Scheduled T	o Start, Dan e UTHORIZA	e 2-10.0	4 Finij ut-of-scope	1:2.17.8	Cost Code	nted (16,	manhours .
CPCo Represe 2. Safety Tags P	antative	n out-of-service	C	ALL	Date CPCo Representative	Date	#Tag/Clearance Orde
SECTION IV - CO	NSTRUCTI	ON	Sal ity Tags in	nstailed		Date	
Construction QC (Complete		an a	Date		Attac	hments .
Construction Com	plete			Date			
	plete			Date			
Construction Com				Date			
Construction Com Safety Tags Remo	ver!		the second states and the second		and the second se		
Construction Com Safety Tags Remo CGSO - CWR Cool	vert					_ Oate	
Construction Com Safety Tags Remo CGSO - CWR Cool *SECTION V - <u>CC</u>	verl rdinator IMPLETION	REVIEW	Work comple	ted satisfactori	ly and accepted/safety	Date tags cleared	DISC. SUPV
Construction Com Safety Tags Remo CGSO - CWR Coo *SECTION V - <u>CC</u> Retest Complete	vert rdinator DMPL'ETION TE:	NREVIEW	Work comple	ted satisfactori	ly and accepted/safety Completion Revie	Oate tags cleared w Signature	DISC. SUPV
Construction Com Safety Tags Remo CGSO - CWR Coo *SECTION V - <u>CC</u> Retest Complete Procedure No. & 1	vert rdinator DMPLETION TE: Steps	N REVIEW	Work comple	ted satisfactori Date	ly and accepted/safety Completion Revie TE/FE:	Date tags cleared w Signature	Disc. surv Date

NOTE. For Category 1 - Originating organization shall fill in only items designated by an asterisk (*).

QRP FORM #9595 8-17-82

			Accounteric of	
	CGSO WORK CONTROL	FPO .	2.102	
CWR	S/U SYSTEM	BLDG.		
Work on the above been taken into c 1. Total scope of	CW& may proceed. In approving this consideration: of work is: a) B & W b) Zack	c) Field Soils	g points have	r
(If answer is 2. Does this wor	rk involve a DCP in one of the follow	ing buildings:	YES	NO
a. Auxiliary b. Containme	r Building c. Service Water ant Buildings d. Diesel Genera	Building tor Building		
3. a Impleme inacces b Work ma CWR Acc	entation of CWR will <u>not</u> render any Q ssible. ay render Q items inaccessible (refer cessibility Notification Sheet)	to		
4. Is there any a. Non-Q to b. Attachin c. Pressure d. Tempora: e. Covering f. Removing g. Other	possible Q interface? This includes erminations in a Q cabinet. ng a Non-Q hanger to a Q wall or Q st e testing against a Q valve. ry support from an existing Q install g of an existing Q component. g coating from an existing Q componen	such items as: eel. ation. 	YESI	NO
5. Is the actua	1 component to be worked on Q?		YES	L NO
Following analys	is, including questions 6 and 7, is r	required for Q comp	onents only:	
	SAMPLE -	rawing rev. at turn	over? YES	
 Is the curre Does the cur drawing rev. 	rent drawing rev. different that the design of at turnover for the specific commod:	configuration from ity being worked? ngineer:	the YES	<u> N</u>
8. By review of NCR or QC In ° If all c	the Master Punchlist, does this work spection Record? of the above answers are NO, work may	k impact an open proceed without	ŢŦĒSŢ	
° If the a if requi Work may	or restriction. Inswers to questions 2 and 5 are YES, Ired to support B&W, Zack or Field So only proceed after careful review,	work may proceed ils work. and is subject to		
comment ° If the a if requi ° Work may the comm Comments and Res	or restriction. Inswers to questions 2 and 5 are YES, lred to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions:	work may proceed ils work. and is subject to		
comment ° If the a if requi ° Work may the comm Comments and Res	or restriction. answers to questions 2 and 5 are YES, lred to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions:	work may proceed ils work. and is subject to		
comment ° If the a if requi ° Work may the comm Comments and Res	or restriction. answers to questions 2 and 5 are YES, lred to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions:	work may proceed ils work. and is subject to	TVECT	
Comment ° If the a if requi ° Work may the comm Comments and Res 9. Welding docu	or restriction. answers to questions 2 and 5 are YES, lred to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions: mentation required? PW-100, WR-22,	work may proceed ils work. and is subject to WR-4, PIW-100	I_YES_	
Comment ° If the a if requi ° Work may the comm Comments and Res 9. Welding docu 10. Does this CV Reports? (1	or restriction. answers to questions 2 and 5 are YES, ired to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions: umentation required? PW-100, WR-22, WR affect preparatic; of ASME Section FPM 5.000)	work may proceed ils work. and is subject to WR-4, PIW-100 IIII N-5 Code Data		
comment ° If the a if requi ° Work may the comm Comments and Res 9. Welding docu 10. Does this CV Reports? (1 Originator	or restriction. answers to questions 2 and 5 are YES, ired to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions: mentation required? PW-100, WR-22, WR affect preparatic; of ASME Section FPM 5.000) Date Lead CGS0	work may proceed ils work. and is subject to WR-4, PIW-100 III N-5 Code Data Supv.	I <u>YES</u> I I <u>YES</u> I Date	
Comment ° If the a if requi ° Work may the comm Comments and Res 9. Welding docu 10. Does this CV Reports? (1) Originator CFCo TE	or restriction. answers to questions 2 and 5 are YES, ired to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions: umentation required? PW-100, WR-22, WR affect preparatic; of ASME Section FPM 5.000) Date Lead CGSO Date CPCo Tech. (or CPCo Se	work may proceed ils work. and is subject to WR-4, PIW-100 III N-5 Code Data Supv Supt ection Head)	I <u>YES</u> I I <u>YES</u> I Date Date	
Comment ° If the a if requi ° Work may the comm Comments and Res 9. Welding docu 10. Does this CV Reports? (I Originator CFCo TE If work is Q or Pre-inspection	or restriction. answers to questions 2 and 5 are YES, ired to support B&W, Zack or Field So y only proceed after careful review, ments and restrictions, as follows: strictions: umentation required? PW-100, WR-22, WR affect preparatic : of ASME Section FPM 5.000) Date Lead CGSO Date CPCo Tech. (or CPCo Se Non-Q with a Q interface, MPQAD prei completed/not required (circle one).	work may proceed ils work. and is subject to WR-4, PIW-100 III N-5 Code Data Supv supt ection Head) .nspection determin	IYES] IYES] Date Date ation is requ	I N I N ired.

Attachment 5B

FPO-2.102 Rev. 1 Attachment 2 Page 1 of 1

CWR ACCESSIBILITY NOTIFICATION SHEET

	CWR	
Α.	Description of Q commodities that may be rendered inaccessible as a result of this CWR work:	
	COMMODITY	QCIR STATUS OPEN/CLOSED
	NP.	
в.	sketch Camp	
0.	Sail	

С.	NCR's initiated	as	a	result	of	verification	inspection	on	above
	commodities						L - Charles		

0...

C.

0

C

(

C

C

C

C

Ć