

OE Screening closed this as covered by CAPs 38441, 33875, and 29870.

CAP 29870 was closed with no action, stating it should be processed IAW the OE process.

CAP 33875 was written to perform a GAP analysis for the AMAG Crossflow User Guidelines and recommend actions.

CAP 38441 initially created non-CAP OTH 15296 for Ops to take necessary actions to limit reactor thermal power to 99.7%. The issue of this action not being appropriately captured in the corrective action program was caught and subsequently CAP CA 27407 was issued and implemented the limits on reactor thermal power.

OTH 15296 was subsequently closed to CAP 26210 that requested a determination of how we are testing AMAG. This evaluation recommended an option (Option 2) be implemented. This option will require a plant modification that has yet to be completed. Until then, the thermal power limit will remain in place.

Kew = yes

Kew ID ISS 11/2/05 CAP 029970

K ⇒ GAP ANALYSIS 5/15/06 CAP 03387 -
For Proj & Proc

K = Limits Rx 10/17/06 CAP 038441
Pow to 99.7 (CAP 27407)

K Review OE under closed Because KPS had prior met all action

- Limits Power

- CA 26210 - For a mod to implement mod that will
ISO value to the FW/BOP Flow Nozzle
which will allow Full Amag Cal
on line against the Flow Nozzle

State Change History

Initiate by SCHAEFER, RUSSELL	AR Pre-Screen 10/17/2006 8:39:37 Owner (None)	Submit to Screening Team by DYKSTRA, DALE	AR Screening Que 10/18/2006 3:57:32 Owner KNPP CAP Admin	Screening Update by MATHEWS, Brian	Screen Team Review Pending 10/18/2006 13:05:25 Owner KNPP CAP Admin	Create Assignments by WALES, DEBRA	Assignments Pending 10/18/2006 20:59:48 Owner KNPP CAP Admin
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Section 1

Activity Request Id: CAP038441
Activity Type: CAP **Submit Date:** 10/17/2006 8:39:37
One Line Description: Due to AMAG accuracy concerns, reactor power should be limited to 99.7%
Detailed Description: 10/17/2006 8:39:37 - SCHAEFER, RUSSELL :
 As a result of NOD's 9/19/2006 Site VP Brief, the following action was created:

Operations to take necessary actions to ensure reactor thermal power does not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete.

The following excerpts from the 9/19/2006 NOD Site VP Brief provides some background:
 CAP 37123 identified a potential reduction in the accuracy of indicated reactor thermal power by up to 0.3%.

As a conservative measure, AMAG is recommending Kewaunee limit indicated reactor power to 99.7% (1766.6 Mwth) to ensure the station does not exceed its licensed power level.

CAP37123's operability status was marked "N/A" since the system is out of service at this time. The "basis for operability" concluded: "No mode restraint is necessary based on this issue. However, a hold at 98.6% power will be required to obtain data, and based on the analysis performed by AMAG to-date, Reactor Thermal Power should be limited to 99.7% (1766.6 Mwth) to avoid a possible overpower event." NOD was not able to identify this limitation in current operating procedures or a current Corrective Action Program activity to add this limitation.

Additional note: this activity was originally (wrongly) entered into non-CAP, resulting in CAP 37693, which resulted in CA26620 to initiate a new CAP that captures the power restriction concerns.

Initiator: SCHAEFER, RUSSELL	Initiator Department: 8200 Nuclear Oversight (Auditing)
Date/Time of Discovery: 10/17/2006 7:23:17	Date/Time of Occurrence: 10/17/2006 7:23:17
Identified By: QA/Nuclear Oversight	System: 00 KE
Equipment # (1st): NA	Equipment Name (1st): Not Applicable
Equipment # (2nd): (None)	Equipment Name (2nd): (None)
Equipment # (3rd): (None)	Equipment Name (3rd): (None)
Site/Unit: Kewaunee	
Why did this occur?: 10/17/2006 8:39:37 - SCHAEFER, RUSSELL : As a result of NOD's 9/19/2006 Site VP Brief.	

Immediate Action Taken: 10/17/2006 8:39:37 - SCHAEFER, RUSSELL :
 This was discussed with Site VP, Director of O&M and Engineering Director during the 9/19/2006 briefing.

Recommendations:
SRO Review Required?: Y

Section 2

Operability Status: NA **Compensatory Actions:** N
Basis for Operability: 10/18/2006 0:20:49 - STODOLA, JOSEPH :

This CAP was written to document an issue related to calculation of correction factors. Noise in the system is causing an unexpected power dependency in the correction factors when between 80% and 100% reactor power. This power dependency affects the accuracy of indicated Reactor Thermal Power. Based on analysis completed by AMAG to-date current accuracy is within 0.3%. To improve the level of accuracy data must be collected with the plant stable at 98.6% power and calculations revised based on the new data.

No mode restraint is necessary based on this issue. However, a hold at 98.6% power will be required to obtain data and based on the analysis performed by AMAG to-date, Reactor Thermal Power should be limited to 1766.6 MwTh (1772 less 0.3%) to avoid a possible overpower event. Not reportable.

10/18/2006 3:57:32 - DYKSTRA, DALE:
 I agree with Mr Stodola's assessment.

Unplanned TSAC Entry: N **External Notification:** N

Section 3

Screened?: Y **Significance Level:** C
INPO OE Req?: N **Potential MRFF?:** N
QA/Nuclear Oversight?: N **Licensing Review?:** N

Good Catch/Well Doc'd?: NA

Section 4

Inappropriate Action:

Process Code:	PO-Plant Operation	Activity Code:	UNK-Unknown
Human Error Type:	(None)	Human Perf Failure Mode:	(None)
Equip Failure Mode:	(None)	Process Failure Mode:	(None)
Org & Mgmt Failure Mode:	(None)	Method of Discovery:	NOD-Nuclear Oversight
INPO Performance Objective:	OP.1 Operations	Group Causing Prob:	NCO No Causing Organization KE
Hot Buttons:	K-2006 Outage		

Section 5

CAP Admin:	KNPP CAP Admin	CAP Owner:	(None)
Project:	Corrective Action Process (CAP)	State:	Assignments Pending
Active/Inactive:	Active	Submitter:	SCHAEFER, RUSSELL
Owner:	KNPP CAP Admin	Last Modified Date:	11/27/2006 13:36:56
Last Modifier:	PAWLITZKY, Tina	Last State Change Date:	10/18/2006 20:59:48
Last State Changer:	WALESH, DEBRA	Close Date:	

NUTRK ID:

of Children: 0

References:

Update:

Prescreen Comments: 10/18/2006 10:14:59 - MATHEWS, Brian:
 Sig. "C" Cat. 14
 CA to 9300 Operation to take necessary actions to ensure reactor thermal power does not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete.

10/18/2006 20:59:48 - WALESH, DEBRA :
 CA to 9300 Operation to take necessary actions to ensure reactor thermal power does not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete.
 DUE SUNDAY 10/22/2006

Import Memo Field:

OPR Completed?: N

OLD_ACTION_NUM:

sub_tsid:	0	original_project_id:	51
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original_issue_id: 038441

Site: Kewaunee

Cartridge and Frame:

Response:	(None)	Primary Attribute:	(None)
Primary Topic:	(None)	Secondary Attribute:	(None)
Secondary Topic:	(None)	NMC Process:	(None)
NMC Activity:	(None)	NMC Human Error Type:	(None)
NMC Human Perf Fail Mode:	(None)	NMC Equip Failure Mode:	(None)
NMC Process Fail Mode:	(None)	NMC Org/Mgt Failure Mode:	(None)

Attachments and Parent/Child Links

Linked from OTH015296: Ops to ensure reactor thermal power does not exceed 99.7% by SCHAEFER, RUSSELL (10/17/2006 8:52:34)

Linked from CAP037693: Non-Cap Other used to limit plant activities by SCHAEFER, RUSSELL (10/17/2006 10:01:44)

Principal to CA027407: Due to AMAG accuracy concerns, reactor power should be limited to 99.7% by WALESH, DEBRA (10/18/2006 21:05:33)

Change History

10/17/2006 8:52:36 by SCHAEFER, RUSSELL
 Last Modified Date Changed From 10/17/2006 8:39:37 To 10/17/2006 8:52:36
 Attachment Added: Linked from OTH015296: Ops to ensure reactor thermal power does not exceed 99.7%

10/17/2006 10:01:46 by SCHAEFER, RUSSELL
 Last Modified Date Changed From 10/17/2006 8:52:36 To 10/17/2006 10:01:46
 Attachment Added: Linked from CAP037693: Non-Cap Other used to limit plant activities

10/18/2006 0:20:49 by STODOLA, JOSEPH
 SRO Review Required? Changed From N To Y
 Operability Status Changed From (None) To NA
 Basis for Operability Changed From " To '[Appended:] This CAP was written to document an issue related to calculation of correction factors. Noise in the system is causing an unexpected power dependency in the correction factors when between 80% and 100% reactor power. This power dependen[...]'

Last Modified Date Changed From 10/17/2006 10:01:46 To 10/18/2006 0:20:49
Last Modifier Changed From SCHAEFER, RUSSELL To STODOLA, JOSEPH

10/18/2006 3:57:32 by DYKSTRA, DALE

Basis for Operability Changed From '[Original Text]' To '[Appended:] I agree with Mr Stodola's assessment.'
State Changed From AR Pre-Screen To AR Screening Que Via Transition: Submit to Screening Team
Owrier Changed From (None) To KNPP CAP Admin
Last Modified Date Changed From 10/18/2006 0:20:49 To 10/18/2006 3:57:32
Last Modifier Changed From STODOLA, JOSEPH To DYKSTRA, DALE
Last State Change Date Changed From 10/17/2006 8:39:37 To 10/18/2006 3:57:32
Last State Changer Changed From SCHAEFER, RUSSELL To DYKSTRA, DALE

10/18/2006 10:14:59 by MATHEWS, Brian

System Changed From (None) To 00 KE
Equipment # (1st) Changed From (None) To NA
Screened? Changed From N To Y
Significance Level Changed From (None) To C
Process Code Changed From (None) To PO-Plant Operation
Activity Code Changed From (None) To UNK-Unknown
Method of Discovery Changed From (None) To NOD-Nuclear Oversight
INPO Performance Objective Changed From (None) To OP.1 Operations
Group Causing Prob Changed From (None) To NCO No Causing Organization KE
Last Modified Date Changed From 10/18/2006 3:57:32 To 10/18/2006 10:14:59
Last Modifier Changed From DYKSTRA, DALE To MATHEWS, Brian
Prescreen Comments Changed From " To '[Appended:] Sig. "C" Cat. 14 CA to 9300 Operation to take necessary actions to ensure reactor thermal power doe:
not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete.'

10/18/2006 13:05:25 by MATHEWS, Brian

State Changed From AR Screening Que To Screen Team Review Pending Via Transition: Screening Update
Last Modified Date Changed From 10/18/2006 10:14:59 To 10/18/2006 13:05:25
Last State Change Date Changed From 10/18/2006 3:57:32 To 10/18/2006 13:05:25
Last State Changer Changed From DYKSTRA, DALE To MATHEWS, Brian

10/18/2006 20:59:48 by WALESH, DEBRA

State Changed From Screen Team Review Pending To Assignments Pending Via Transition: Create Assignments
Last Modified Date Changed From 10/18/2006 13:05:25 To 10/18/2006 20:59:48
Last Modifier Changed From MATHEWS, Brian To WALESH, DEBRA
Last State Change Date Changed From 10/18/2006 13:05:25 To 10/18/2006 20:59:48
Last State Changer Changed From MATHEWS, Brian To WALESH, DEBRA
Prescreen Comments Changed From '[Original Text]' To '[Appended:] CA to 9300 Operation to take necessary actions to ensure reactor thermal power does
not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete. DUE SUNDAY 10/22/2006'

10/18/2006 20:59:56 by WALESH, DEBRA

Last Modified Date Changed From 10/18/2006 20:59:48 To 10/18/2006 20:59:56
original_project_id Changed From 0 To 51
original_issue_id Changed From " To '038441'

10/18/2006 21:05:33 by WALESH, DEBRA

Last Modified Date Changed From 10/18/2006 20:59:56 To 10/18/2006 21:05:33
Attachment Added: Principal to CA027407: Due to AMAG accuracy concerns, reactor power should be limited to 99.7%

11/27/2006 13:36:56 by PAWLITZKY, Tina

Hot Buttons Changed From (None) To K-2006 Outage
Last Modified Date Changed From 10/18/2006 21:05:33 To 11/27/2006 13:36:56
Last Modifier Changed From WALESH, DEBRA To PAWLITZKY, Tina

State Change History

Initiate by HANNA, Tim	AR Pre-Screen 5/15/2006 11:44:07 Owner (None)	Submit to Screening Team by PROKASH, ALVIN	AR Screening Que 5/15/2006 12:03:15 Owner KNPP CAP Admin	Screening Update by BOWER, RICHARD	Screen Team Review Pending 5/15/2006 12:59:40 Owner KNPP CAP Admin	Create Assignments by BOWER, RICHARD	Assignments Pending 5/16/2006 13:17:05 Owner KNPP CAP Admin
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Section 1

Activity Request Id: CAP033875
 Activity Type: CAP Submit Date: 5/15/2006 11:44:07
 One Line Description: GAP analysis needed for AMAG CROSSFLOW User Guidelines
 Detailed Description: 5/15/2006 11:44:07 - HANNA, Tim:
 OE11148 requested a review of the AMAG CROSSFLOW Ultrasonic Flow Meter User Guidelines to ensure that all of the recommendations are being implemented at KPS. Applicable work groups met to review these guidelines and it has been determined that a GAP analysis needs to be completed to document the KPS specific procedures and/or processes that are used to implement each specific recommendation.

The GAP analysis should be formatted similar to Appendix C of the User Guidelines (see attached file). Assignments for gathering the information for the GAP analysis were made for each section of the guidelines and are annotated on the attached file.

Initiator:	HANNA, Tim	Initiator Department:	7220 Eng Prog Insp & Materials
Date/Time of Discovery:	5/15/2006 11:41:11	Date/Time of Occurrence:	5/15/2006 11:41:11
Identified By:	Site-identified	System:	00 KE
Equipment # (1st):	NA	Equipment Name (1st):	Not Applicable
Equipment # (2nd):	(None)	Equipment Name (2nd):	(None)
Equipment # (3rd):	(None)	Equipment Name (3rd):	(None)
Site/Unit:	Kewaunee		
Why did this occur?:	5/15/2006 11:44:07 - HANNA, Tim: Unknown		

Immediate Action Taken: 5/15/2006 11:44:07 - HANNA, Tim:
None

Recommendations: 5/15/2006 11:44:07 - HANNA, Tim:
Create action items to the following groups track completion of the GAP analysis:

Electrical/I&C System Engineering for creation of the GAP Analysis and gathering the required information for guideline sections 10.0, 14.0, 15.0, 16.0, 20.0, 35.0.

Plant Computer Group to provide input for guideline sections 12.0, 13.0, 18.0, 19.0, 23.0, 27.0, 28.0, 30.0, 31.0, 32.0, 33.0, 33.1, 35.0.

Balance of Plant System Engineering to provide input for guideline sections 21.0, 23.0, 24.0, 25.0, 26.0, 29.0, 35.0.

Operations Training to provide input for guideline sections 17.0, 22.0, 34.0 and 35.0.

SRO Review Required?: N

Section 2

Operability Status:	NA	Compensatory Actions:	N
Basis for Operability:	5/15/2006 12:03:15 - PROKASH, ALVIN : This is an administrative CAP written to request action. There are no operability or reportability concerns.		
Unplanned TSAC Entry:	N	External Notification:	N

Section 3

Screened?:	Y	Significance Level:	D
INPO OE Req'd?:	N	Potential MRFF?:	N
QA/Nuclear Oversight?:	N	Licensing Review?:	N
Good Catch/Well Doc'd?:	NA		

Section 4

Inappropriate Action:			
Process Code:	(None)	Activity Code:	(None)
Human Error Type:	(None)	Human Perf Failure Mode:	(None)
Equip Failure Mode:	(None)	Process Failure Mode:	(None)
Org & Mgmt Failure Mode:	(None)	Method of Discovery:	(None)
INPO Performance Objective:	(None)	Group Causing Prob:	(None)
Hot Buttons:	K-OE - corrective action		

Section 5

CAP Admin:	KNPP CAP Admin	CAP Owner:	(None)
Project:	Corrective Action Process (CAP)	State:	Assignments Pending
Active/Inactive:	Active	Submitter:	HANNA, Tim
Owner:	KNPP CAP Admin	Last Modified Date:	3/13/2007 12:42:35
Last Modifier:	admin	Last State Change Date:	5/16/2006 13:17:05
Last State Changer:	BOWER, RICHARD	Close Date:	

NUTRK ID:
of Children: 0
References: OE11148

Update:
Prescreen Comments: 5/15/2006 12:37:09 - PETERSON, JAMES :
Sig D Cat 7
Non-CAP OTH to 7340 Electrical/I&C Systems to create GAP analysis
Non-CAP OTH to 1630 I/T PPCS To provide input
Non-CAP OTH to 7330 BOP Systems to provide input
Non-CAP OTH to 9610 Training Operations to provide input

5/18/2006 7:08:22 - WALESH, DEBRA :
Sig C
CA to 7340 Electrical/I&C Systems to create GAP analysis *
CA to 1630 I/T PPCS To provide input *
CA to 7330 BOP Systems to provide input+C205 *
CA to 9610 Training Operations to provide input *

Import Memo Field:
OPR Completed?: N
OLD_ACTION_NUM:
sub_tsid: 0 **original_project_id:** 51
original_issue_id: 033875
Site: Kewaunee

Cartridge and Frame:			
Response:	(None)	Primary Attribute:	(None)
Primary Topic:	(None)	Secondary Attribute:	(None)
Secondary Topic:	(None)	NMC Process:	(None)
NMC Activity:	(None)	NMC Human Error Type:	(None)
NMC Human Perf Fail Mode:	(None)	NMC Equip Failure Mode:	(None)
NMC Process Fail Mode:	(None)	NMC Org/Mgt Failure Mode:	(None)

Attachments and Parent/Child Links

Proposed GAP Format.pdf (185188 bytes) by HANNA, Tim (5/15/2006 11:42:04)

Principal to CA023795: GAP analysis needed for AMAG CROSSFLOW User Guidelines by WALESH, DEBRA (5/18/2006 7:09:15)

Principal to CA023796: GAP analysis needed for AMAG CROSSFLOW User Guidelines by WALESH, DEBRA (5/18/2006 7:10:07)

Principal to CA023797: GAP analysis needed for AMAG CROSSFLOW User Guidelines by WALESH, DEBRA (5/18/2006 7:11:11)

Principal to CA023798: GAP analysis needed for AMAG CROSSFLOW User Guidelines by WALESH, DEBRA (5/18/2006 7:12:12)

Linked To RFT024797 by admin (7/16/2006 14:23:11)

Linked To RFT024798 by admin (7/16/2006 14:26:04)

Linked To CA026455 by admin (9/22/2006 13:47:01)

Linked To CA028016 by admin (11/9/2006 12:57:20)

Linked To CA028020 by admin (11/9/2006 17:01:16)

Linked To CA028021 by admin (11/9/2006 17:50:17)

Linked To PCR028769 by admin (12/20/2006 12:42:28)

Linked To CA030440 by admin (3/13/2007 12:07:09)

Linked To CA030446 by admin (3/13/2007 12:14:33)

Linked To CA030454 by admin (3/13/2007 12:27:48)

Linked To CA030457 by admin (3/13/2007 12:36:09)

Linked To CA030458 by admin (3/13/2007 12:42:35)

Change History

5/15/2006 11:42:04 by HANNA, Tim

Attachment Added: Proposed GAP Format.pdf

5/15/2006 11:45:25 by HANNA, Tim

One Line Description Changed From 'GAP analysis needed for AMAG CROSSFOLW User Guidelines' To 'GAP analysis needed for AMAG CROSSFLOW User Guidelines'

Last Modified Date Changed From 5/15/2006 11:44:07 To 5/15/2006 11:45:25

5/15/2006 12:03:15 by PROKASH, ALVIN

Operability Status Changed From (None) To NA

Basis for Operability Changed From " To '[Appended:] This is an administrative CAP written to request action. There are no operability or reportability concerns.'

State Changed From AR Pre-Screen To AR Screening Que Via Transition: Submit to Screening Team

Owner Changed From (None) To KNPP CAP Admin

Last Modified Date Changed From 5/15/2006 11:45:25 To 5/15/2006 12:03:15

Last Modifier Changed From HANNA, Tim To PROKASH, ALVIN

Last State Change Date Changed From 5/15/2006 11:44:07 To 5/15/2006 12:03:15

Last State Changer Changed From HANNA, Tim To PROKASH, ALVIN

5/15/2006 12:37:09 by PETERSON, JAMES

System Changed From (None) To 00 KE

Equipment # (1st) Changed From (None) To NA

Screened? Changed From N To Y

Significance Level Changed From (None) To D

Hot Buttons Changed From (None) To K-OE - corrective action

Last Modified Date Changed From 5/15/2006 12:03:15 To 5/15/2006 12:37:09

Last Modifier Changed From PROKASH, ALVIN To PETERSON, JAMES

References Changed From " To 'OE11148'

Prescreen Comments Changed From " To '[Appended:] Sig D Cat 7 Non-CAP OTH to 7340 Electrical/I&C Systems to create GAP analysis Non-CAP OTH to 1630 I/T PPCS To provide input Non-CAP OTH to 7330 BOP Systems to provide input Non-CAP OTH to 9610 Training Operations to provide input'

5/15/2006 12:59:40 by BOWER, RICHARD

State Changed From AR Screening Que To Screen Team Review Pending Via Transition: Screening Update

Last Modified Date Changed From 5/15/2006 12:37:09 To 5/15/2006 12:59:40

Last Modifier Changed From PETERSON, JAMES To BOWER, RICHARD

Last State Change Date Changed From 5/15/2006 12:03:15 To 5/15/2006 12:59:40

Last State Changer Changed From PROKASH, ALVIN To BOWER, RICHARD

5/16/2006 13:17:05 by BOWER, RICHARD

State Changed From Screen Team Review Pending To Assignments Pending Via Transition: Create Assignments

Last Modified Date Changed From 5/15/2006 12:59:40 To 5/16/2006 13:17:05

Last State Change Date Changed From 5/15/2006 12:59:40 To 5/16/2006 13:17:05

5/18/2006 7:08:22 by WALESH, DEBRA

Last Modified Date Changed From 5/16/2006 13:17:05 To 5/18/2006 7:08:22

Last Modifier Changed From BOWER, RICHARD To WALESH, DEBRA

Prescreen Comments Changed From '[Original Text]' To '[Appended:] Sig C CA to 7340 Electrical/I&C Systems to create GAP analysis CA to 1630 I/T PPCS To provide input CA to 7330 BOP Systems to provide input+C205 CA to 9610 Training Operations to provide input'

5/18/2006 7:08:32 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:08:22 To 5/18/2006 7:08:32

original_project_id Changed From 0 To 51

original_issue_id Changed From " To '033875'

5/18/2006 7:09:15 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:08:32 To 5/18/2006 7:09:15

Attachment Added: Principal to CA023795: GAP analysis needed for AMAG CROSSFLOW User Guidelines

5/18/2006 7:09:26 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:09:15 To 5/18/2006 7:09:26

5/18/2006 7:10:07 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:09:26 To 5/18/2006 7:10:07

Attachment Added: Principal to CA023796: GAP analysis needed for AMAG CROSSFLOW User Guidelines

5/18/2006 7:10:16 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:10:07 To 5/18/2006 7:10:16

5/18/2006 7:11:11 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:10:16 To 5/18/2006 7:11:11

Attachment Added: Principal to CA023797: GAP analysis needed for AMAG CROSSFLOW User Guidelines

5/18/2006 7:11:23 by WALESH, DEBRA

Last Modified Date Changed From 5/18/2006 7:11:11 To 5/18/2006 7:11:23

5/18/2006 7:12:12 by WALES, DEBRA

Last Modified Date Changed From 5/18/2006 7:11:23 To 5/18/2006 7:12:12

Attachment Added: Principal to CA023798: GAP analysis needed for AMAG CROSSFLOW User Guidelines

7/16/2006 14:23:12 by admin

Last Modified Date Changed From 5/18/2006 7:12:12 To 7/16/2006 14:23:12

Last Modifier Changed From WALES, DEBRA To admin

Attachment Added: Linked To RFT024797

7/16/2006 14:26:05 by admin

Last Modified Date Changed From 7/16/2006 14:23:12 To 7/16/2006 14:26:05

Attachment Added: Linked To RFT024798

9/22/2006 13:47:01 by admin

Last Modified Date Changed From 7/16/2006 14:26:05 To 9/22/2006 13:47:01

Attachment Added: Linked To CA026455

11/9/2006 12:57:20 by admin

Last Modified Date Changed From 9/22/2006 13:47:01 To 11/9/2006 12:57:20

Attachment Added: Linked To CA028016

11/9/2006 17:01:17 by admin

Last Modified Date Changed From 11/9/2006 12:57:20 To 11/9/2006 17:01:17

Attachment Added: Linked To CA028020

11/9/2006 17:50:17 by admin

Last Modified Date Changed From 11/9/2006 17:01:17 To 11/9/2006 17:50:17

Attachment Added: Linked To CA028021

12/20/2006 12:42:28 by admin

Last Modified Date Changed From 11/9/2006 17:50:17 To 12/20/2006 12:42:28

Attachment Added: Linked To PCR028769

3/13/2007 12:07:09 by admin

Last Modified Date Changed From 12/20/2006 12:42:28 To 3/13/2007 12:07:09

Attachment Added: Linked To CA030440

3/13/2007 12:14:34 by admin

Last Modified Date Changed From 3/13/2007 12:07:09 To 3/13/2007 12:14:34

Attachment Added: Linked To CA030446

3/13/2007 12:27:48 by admin

Last Modified Date Changed From 3/13/2007 12:14:34 To 3/13/2007 12:27:48

Attachment Added: Linked To CA030454

3/13/2007 12:36:09 by admin

Last Modified Date Changed From 3/13/2007 12:27:48 To 3/13/2007 12:36:09

Attachment Added: Linked To CA030457

3/13/2007 12:42:35 by admin

Last Modified Date Changed From 3/13/2007 12:36:09 To 3/13/2007 12:42:35

Attachment Added: Linked To CA030458

State Change History

Initiate by GLASER, BRANDON	AR Pre-Screen 11/2/2005 8:52:25 Owner (None)	Submit to Screening Team by ROBB, JONATHAN	Assignments Pending 11/2/2005 9:07:06 Owner KNPP CAP Admin	Complete & Close by WALESH, DEBRA	Done 11/7/2005 14:50:44 Owner (None)
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Section 1

Activity Request Id: CAP029870
Activity Type: CAP **Submit Date:** 11/2/2005 8:52:25
One Line Description: Incorporate AMAG CROSSFLOW User Guidelines into plant processes
Detailed Description: 11/2/2005 8:52:25 - GLASER, BRANDON:
 In June 2005 the Westinghouse Owners Group CROSSFLOW Taskforce issued the "CROSSFLOW Ultrasonic Flow Meter User Guidelines" to all members, including Kewaunee. The purpose of this document is "To provide a comprehensive reference that describes the CROSSFLOW system technology, use and application, operation experience, maintenance, and operator qualification and training. This document provides many vendor recommendations on system use, monitoring, maintenance, etc. A thorough review of this document needs to be performed to ensure Kewaunee has incorporated this information into plant processes, procedures, etc. Based on this review, gaps in system operation at Kewaunee need to be identified and resolved. Many of actions/responsibilities will fall into different departments and therefore this will require a group ownership of the system. For example: monitoring system limits performed by System Engineering, thermal performance monitoring performed by the Thermal Performance Engineer, routine maintenance (reboots, sending for calibration etc.) performed by the Process Computer Group and I&C, alarm troubleshooting may be a group collaboration.

Initiator: GLASER, BRANDON **Initiator Department:** 1630 I/T PPCS
Date/Time of Discovery: 11/2/2005 8:49:52 **Date/Time of Occurrence:** 11/2/2005 8:49:52
Identified By: Site-identified **System:** 46A-CP KE
Equipment # (1st): (None) **Equipment Name (1st):** (None)
Equipment # (2nd): (None) **Equipment Name (2nd):** (None)
Equipment # (3rd): (None) **Equipment Name (3rd):** (None)
Site/Unit: Kewaunee
Why did this occur?: 11/2/2005 8:52:25 - GLASER, BRANDON:
 CROSSFLOW Ultrasonic Flow Meter User Guidelines issued by Westinghouse Owners Group CROSSFLOW Taskforce.

Immediate Action Taken: 11/2/2005 9:07:06 - ROBB, JONATHAN:
 None.

Recommendations: 11/2/2005 8:52:25 - GLASER, BRANDON:
 System Engineering/Thermal Performance Engineering review guidelines with subject matter experts (currently the Process Computer Group and I&C Engineering), identify gaps/weaknesses in system operation, resolve gaps by incorporating into plant processes. Define roles and responsibilities for different departments: System Engineering to compare/monitor AMAG performance in relation to other power dependent plant parameters, System Engineering to monitor AMAG alarm limits and settings, Thermal Performance Engineering to monitor AMAG in relation to plant thermal performance, Process Computer Group/I&C to perform routine maintenance, etc.

SRO Review Required?: N

Section 2

Operability Status: NA **Compensatory Actions:** N
Basis for Operability: 11/2/2005 9:07:06 - ROBB, JONATHAN:
 NA--This CAP was written to track action items. There is no operability concern. This is not reportable.
Unplanned TSAC Entry: N **External Notification:** N

Section 3

Screened?: Y **Significance Level:** D
INPO OE Req'd?: N **Potential MRFF?:** N
QA/Nuclear Oversight?: N **Licensing Review?:** N
Good Catch/Well Doc'd?: NA

Section 4

Inappropriate Action:
Process Code: (None) **Activity Code:** (None)
Human Error Type: (None) **Human Perf Failure Mode:** (None)
Equip Failure Mode: (None) **Process Failure Mode:** (None)
Org & Mgmt Failure Mode: (None) **Method of Discovery:** (None)
INPO Performance Objective: (None) **Group Causing Prob:** NCO No Causing Organization KE
Hot Buttons: K-OE

Section 5

CAP Admin: KNPP CAP Admin **CAP Owner:** (None)

Project: Corrective Action Process (CAP) **State:** Done
Active/Inactive: Inactive **Submitter:** GLASER, BRANDON
Owner: (None) **Last Modified Date:** 11/7/2005 14:50:44
Last Modifier: WALES, DEBRA **Last State Change Date:** 11/7/2005 14:50:44
Last State Changer: WALES, DEBRA **Close Date:** 11/7/2005 14:50:44
NUTRK ID:
of Children: 0
References: Non-CAP OE 11148
Update:
Prescreen Comments: 11/3/2005 9:49:17 - VANVALKENBURG, TERRY:
 Non-CAP OE
 Should be processed IAW OE process rather than CAP

Import Memo Field:

OPR Completed?: N

OLD_ACTION_NUM:

sub_tsid: 0 **original_project_id:** 0

original_issue_id:

Site: Kewaunee

Cartridge and Frame:

Response: (None) **Primary Attribute:** (None)

Primary Topic: (None) **Secondary Attribute:** (None)

Secondary Topic: (None) **NMC Process:** N/A - Not Applicable

NMC Activity: N/A - Not Applicable **NMC Human Error Type:** N/A - Not Applicable

NMC Human Perf Fail Mode: N/A - Not Applicable **NMC Equip Failure Mode:** (None)

NMC Process Fail Mode: N/A - Not Applicable **NMC Org/Mgt Failure Mode:** N/A - Not Applicable

Change History

11/2/2005 9:07:06 by ROBB, JONATHAN

System Changed From (None) To 46A-CP KE

Immediate Action Taken Changed From " To '[Appended:] None.'

Operability Status Changed From (None) To NA

Basis for Operability Changed From " To '[Appended:] NA--This CAP was written to track action items. There is no operability concern. This is not reportable.'

State Changed From AR Pre-Screen To Assignments Pending Via Transition: Submit to Screening Team

Owner Changed From (None) To KNPP CAP Admin

Last Modified Date Changed From 11/2/2005 8:52:25 To 11/2/2005 9:07:06

Last Modifier Changed From GLASER, BRANDON To ROBB, JONATHAN

Last State Change Date Changed From 11/2/2005 8:52:25 To 11/2/2005 9:07:06

Last State Changer Changed From GLASER, BRANDON To ROBB, JONATHAN

11/3/2005 9:49:17 by VANVALKENBURG, TERRY

Significance Level Changed From (None) To D

NMC Process Changed From (None) To N/A - Not Applicable

NMC Activity Changed From (None) To N/A - Not Applicable

NMC Human Error Type Changed From (None) To N/A - Not Applicable

NMC Human Perf Fail Mode Changed From (None) To N/A - Not Applicable

NMC Process Fail Mode Changed From (None) To N/A - Not Applicable

NMC Org/Mgt Failure Mode Changed From (None) To N/A - Not Applicable

Group Causing Prob Changed From (None) To NCO No Causing Organization KE

Hot Buttons Changed From (None) To K-OE

Last Modified Date Changed From 11/2/2005 9:07:06 To 11/3/2005 9:49:17

Last Modifier Changed From ROBB, JONATHAN To VANVALKENBURG, TERRY

Prescreen Comments Changed From " To '[Appended:] Non-CAP OE Should be processed IAW OE process rather than CAP'

11/4/2005 6:58:14 by VANVALKENBURG, TERRY

Last Modified Date Changed From 11/3/2005 9:49:17 To 11/4/2005 6:58:14

OPR Completed? Changed From N To Y

11/7/2005 14:50:44 by WALES, DEBRA

Screened? Changed From N To Y

State Changed From Assignments Pending To Done Via Transition: Complete & Close

Active/Inactive Changed From Active To Inactive

Owner Changed From KNPP CAP Admin To (None)

Last Modified Date Changed From 11/4/2005 6:58:14 To 11/7/2005 14:50:44

Last Modifier Changed From VANVALKENBURG, TERRY To WALES, DEBRA

Last State Change Date Changed From 11/2/2005 9:07:06 To 11/7/2005 14:50:44

Last State Changer Changed From ROBB, JONATHAN To WALES, DEBRA

Close Date Changed From Unassigned To 11/7/2005 14:50:44

References Changed From " To 'Non-CAP OE 11148'

OPR Completed? Changed From Y To N

State Change History

Initiate by PAWLITZKY, Tina	Assign Work 9/22/2006 11:37:52 Owner RUTTAR, JOSEPH	Assign by PAWLITZKY, Tina	Conduct Work 9/27/2006 11:59:26 Owner PAWLITZKY, Tina	Work Complete by PAWLITZKY, Tina	Review & Approval 9/27/2006 11:59:50 Owner RUTTAR, JOSEPH	Approved by PAWLITZKY, Tina	Quality Check 9/27/2006 12:00:47 Owner KNPP CAP Admin
Complete and Close by WALESH, DEBRA	Done 11/3/2006 8:04:04 Owner (None)						

Section 1

Activity Request Id: OTH015296
Activity Type: Other Submit Date: 9/22/2006 11:37:52
Site/Unit: Kewaunee
One Line Description: Ops to ensure reactor thermal power does not exceed 99.7%
Activity Requested: As a result of the 9/19/2006 NOD Site VP Brief, you have the following action:

Operations to take necessary actions to ensure reactor thermal power does not exceed 99.7% (1766.6 Mwth) until CROSSFLOW System updating is complete.

Please see page 3 of 15 in the attached file for more information.

CATPR:	N	Mode Change Restraint:	(None)
Initiator:	PAWLITZKY, Tina	Initiator Department:	8000 Nuclear Oversight
Responsible Group Code:	9300 Operations	Responsible Department:	Operations and Maintenance
Activity Supervisor:	RUTTAR, JOSEPH	Activity Performer:	PAWLITZKY, Tina

Section 2

Priority: 5 Due Date: 9/27/2006
Management Exception From PI?: N QA/Nuclear Oversight?: N
Licensing Review?: N NRC Commitment?: N
NRC Commitment Date:

Section 3

Activity Completed: 9/27/2006 11:48:13 - PAWLITZKY, Tina:
Close OTH to CA26210.

9/27/2006 11:59:50 - PAWLITZKY, Tina:
Close OTH to CA26210.

9/27/2006 12:00:47 - PAWLITZKY, Tina:
CA26210 was created to track the actions.

Hot Buttons: K-NOD Assessment Recommendations

Section 4

QA Supervisor: (None) Licensing Supervisor: (None)

Section 5

Project:	Other Non-CAP Action Request	State:	Done
Active/Inactive:	Inactive	Owner:	(None)
Submitter:	PAWLITZKY, Tina	Assigned Date:	9/27/2006
Last Modified Date:	11/3/2006 8:04:04	Last Modifier:	WALESH, DEBRA
Last State Change Date:	11/3/2006 8:04:04	Last State Changer:	WALESH, DEBRA
Close Date:	11/3/2006 8:04:04		
NUTRK ID:			
Child Number:	0		
References:			
Update:			
Import Memo Field:			
CAP Admin:	KNPP CAP Admin	Site:	Kewaunee
OLD_ACTION_NUM:			
Cartridge and Frame:			
Response:	(None)	Primary Attribute:	(None)

Primary Topic: (None) Secondary Attribute: (None)
Secondary Topic: (None) INPO Performance Objective: (None)
sub_tsid: 0

Notes/Comments

Additional info: by SCHAEFER, RUSSELL (10/17/2006 8:57:47)

The previously reference CA, was in error because it did not capture the requisite action to ensure the originally identified issue gets fully addressed.

The correct reference should be CAP38441.

The concern documented in this OTH activity is now captured in CAP 38441. Therefore this OTH is now appropriately closed. Actually this OTH could have been appropriately closed due to CAP37693, which resulted in CA26620, which caused CAP38441 to be written.

Attachments and Parent/Child Links

9/19/06 NOD Site VP Report (117760 bytes) by PAWLITZKY, Tina (9/22/2006 11:37:35)

Linked to CA026210: CROSSFLOW System Issues by PECKHAM, KENT (9/27/2006 11:12:08)

Linked to CAP038441: Due to AMAG accuracy concerns, reactor power should be limited to 99.7% by SCHAEFER, RUSSELL (10/17/2006 8:52:34)

Change History

9/22/2006 11:37:36 by PAWLITZKY, Tina
Attachment Added: 9/19/06 NOD Site VP Report

9/27/2006 11:12:08 by PECKHAM, KENT
Last Modified Date Changed From 9/22/2006 11:37:52 To 9/27/2006 11:12:08
Last Modifier Changed From PAWLITZKY, Tina To PECKHAM, KENT
Attachment Added: Linked to CA026210: CROSSFLOW System Issues

9/27/2006 11:48:13 by PAWLITZKY, Tina
Activity Completed Changed From " To '[Appended:] Close OTH to CA26210.'
Last Modified Date Changed From 9/27/2006 11:12:08 To 9/27/2006 11:48:13
Last Modifier Changed From PECKHAM, KENT To PAWLITZKY, Tina

9/27/2006 11:59:26 by PAWLITZKY, Tina
Activity Performer Changed From (None) To PAWLITZKY, Tina
Priority Changed From (None) To 5
Due Date Changed From Unassigned To 9/27/2006
State Changed From Assign Work To Conduct Work Via Transition: Assign
Owner Changed From RUTTAR, JOSEPH To PAWLITZKY, Tina
Assigned Date Changed From Unassigned To 9/27/2006
Last Modified Date Changed From 9/27/2006 11:48:13 To 9/27/2006 11:59:26
Last State Change Date Changed From 9/22/2006 11:37:52 To 9/27/2006 11:59:26

9/27/2006 11:59:50 by PAWLITZKY, Tina
Activity Completed Changed From '[Original Text]' To '[Appended:] Close OTH to CA26210.'
State Changed From Conduct Work To Review & Approval Via Transition: Work Complete
Owner Changed From PAWLITZKY, Tina To RUTTAR, JOSEPH
Last Modified Date Changed From 9/27/2006 11:59:26 To 9/27/2006 11:59:50
Last State Change Date Changed From 9/27/2006 11:59:26 To 9/27/2006 11:59:50

9/27/2006 12:00:47 by PAWLITZKY, Tina
Activity Completed Changed From '[Original Text]' To '[Appended:] CA26210 was created to track the actions.'
State Changed From Review & Approval To Quality Check Via Transition: Approved
Owner Changed From RUTTAR, JOSEPH To KNPP CAP Admin
Last Modified Date Changed From 9/27/2006 11:59:50 To 9/27/2006 12:00:47
Last State Change Date Changed From 9/27/2006 11:59:50 To 9/27/2006 12:00:47
CAP Admin Changed From (None) To KNPP CAP Admin

10/17/2006 8:52:34 by SCHAEFER, RUSSELL
Last Modified Date Changed From 9/27/2006 12:00:47 To 10/17/2006 8:52:34
Last Modifier Changed From PAWLITZKY, Tina To SCHAEFER, RUSSELL
Attachment Added: Linked to CAP038441: Due to AMAG accuracy concerns, reactor power should be limited to 99.7%

10/17/2006 8:57:47 by SCHAEFER, RUSSELL
Last Modified Date Changed From 10/17/2006 8:52:34 To 10/17/2006 8:57:47
Attachment Added: Additional info:

11/3/2006 8:04:04 by WALESH, DEBRA
State Changed From Quality Check To Done Via Transition: Complete and Close
Active/Inactive Changed From Active To Inactive
Owner Changed From KNPP CAP Admin To (None)
Last Modified Date Changed From 10/17/2006 8:57:47 To 11/3/2006 8:04:04
Last Modifier Changed From SCHAEFER, RUSSELL To WALESH, DEBRA
Last State Change Date Changed From 9/27/2006 12:00:47 To 11/3/2006 8:04:04
Last State Changer Changed From PAWLITZKY, Tina To WALESH, DEBRA
Close Date Changed From Unassigned To 11/3/2006 8:04:04

State Change History

OTH Initiate by WALES, DEBRA	Assign Work 9/13/2006 22:19:50 Owner SNYDER, PAUL	Assign by SNYDER, PAUL	Conduct Work 9/14/2006 4:24:25 Owner EHLEN, PATRICK	Work Complete by EHLEN, PATRICK	Review & Approval 10/4/2006 11:12:05 Owner SNYDER, PAUL	Approved by SNYDER, PAUL	Quality Check 10/5/2006 7:40:07 Owner KNPP CAP Admin
Complete and Close by WALES, DEBRA	Done 11/3/2006 6:41:33 Owner (None)						

Section 1

Activity Request Id: CA028210
Activity Type: Corrective Action Submit Date: 9/13/2006 22:19:50
Site/Unit: Kewaunee
One Line Description: CROSSFLOW System Issues
Activity Requested: Take corrective actions as required to resolve condition identified in CAP 37123

CA to 7340 (Elect/I&C Syst) Determine how we are testing AMAG.
MODE 2

This was also identified in the NOD Site VP Brief from 9/19/2006. Please see page 3 of 15 in the attached file for more information. (OTH15296 was closed to this CA.)

CATPR:	N	Mode Change Restraint:	2 - Hot Standby
Initiator:	EHLEN, PATRICK	Initiator Department:	7340 Eng Elect/I&C Systems
Responsible Group Code:	7340 Eng Elect/I&C Systems	Responsible Department:	Engineering
Activity Supervisor:	SNYDER, PAUL	Activity Performer:	EHLEN, PATRICK

Section 2

Priority: 1 Due Date: 10/10/2006
Management Exception From PI?: N QA/Nuclear Oversight?: N
Licensing Review?: N NRC Commitment?: N
NRC Commitment Date: Significance Level: C

Section 3

Activity Completed: 9/25/2006 11:33:32 - SNYDER, PAUL:

Still working on the evaluation. The due date has been changed as a result. The new due date is still within the 30 day evaluation criteria and will be completed prior to the assigned mode change restraint.

10/4/2006 11:12:05 - EHLEN, PATRICK :
AMAG Options

1. Verify current condition and perform full recalibration at a later date after NRC communication is issued.

a. This option will verify our current condition is acceptable, allowing us to operate at 100% power. This will require approx. 6 extra hours at 98.6% power. When the NRC decision is known, full recalibration/noise removal will likely be performed.

b. Requires additional instrumentation on DP taps on Goliath flow nozzle (current instrumentation utilizes only 1 tap of the 4 available). The goal of this data collection is to verify current tap characteristics match up with the original calibration data, this will provide justification that our original flow nozzle calibration is still valid. If they do not match up, we will be forced to reduce power to 98.6% and calibrate the flow nozzle.

c. Data taken from Goliath flow nozzle will be compared to the Loop A and Loop B uncorrected venturi flow data. This data will be used to bias the venturi flows to the Goliath flow nozzle. This will allow a comparison to be made between the venturis biased to the flow nozzle and the Loop A/B UFM's at 100% power.

d. Goliath/Venturi flow nozzle data will be compared to Loop A/B UFM data to verify the Loop A/B UFM measurements are higher and therefore conservative. If the Loop A/B UFM data comes out lower, option 2, full recalibration needs to be performed.

e. Westinghouse/AMAG indicate, based on initial indications of noise affect above 98.6% power, there is a high probability that once noise correction is applied to data, it will show that the plant would be operating at a slightly higher power level (approx. 0.15%) compared to where it was before due to the non-conservative noise bias. However, it is assumed that total flow, which is based on the Goliath temporary UFM measurement, will be conservative compared to

the Goliath flow nozzle by approx. 0.4%. The utility needs to understand this is based on the Goliath flow nozzle.

2. Full re-calibration of AMAG system WITHOUT re-calibration of Goliath flow nozzle.

- a. This option will provide a complete recalibration/noise removal of the Loop A/B UFM's. This will take approx. 24hrs at 96% power and 54hrs at 98.6% power. This time could be cut in half if a X-Beam UFM bracket can be installed on the Goliath loop (takes double the data). This work includes performing option one, allowing for operation at 100% power while new Uncertainty Calculation (new CN-PS-02-43) is being developed.
- b. Requires additional instrumentation on DP taps on Goliath flow nozzle (current instrumentation utilizes only 1 tap of the 4 available). The goal of this data collection is to verify current tap characteristics match up with the original calibration data, this will provide justification that our original flow nozzle calibration is still valid. If they do not match up, we will be forced to reduce power to 98.6% and calibrate the flow nozzle.
- c. Includes collecting large amount of data at two power levels (96% and 98.6%) using Goliath flow nozzle, Goliath temporary UFM, and Loop A/B UFM/Venturis. Two power levels will verify that the Goliath temporary UFM provides a linear response (correction factors do not change) when increasing power to verify flow stability.
- d. Data from the nozzle and Goliath temporary UFM will be compared to verify the Goliath temporary UFM still indicates higher (conservative). If the Goliath temporary UFM indicates lower flow, the Loop A/B UFM's cannot be used until they can be recalibrated using either a calibrated ASME flow nozzle or a tracer test. This would require an amendment to the existing licensing application. This would require holding power at 98.6% until flow nozzle is calibrated.
- e. Power increased to 100% based on verification of current condition (Goliath temporary UFM is conservative), W/AMAG will provide a new QA calculation within 4 weeks. Once calc is approved system will be re-configured with noise removal and new calibration values.
- f. Westinghouse/AMAG indicate, based on initial indications of noise affect above 98.6% power, there is a high probability that once noise correction is applied to data, it will show that the plant would be operating at a slightly higher power level (approx. 0.15%) compared to where it was before due to the non-conservative noise bias. However, it is assumed that total flow, which is based on the Goliath temporary UFM measurement, will be conservative compared to the Goliath flow nozzle by approx. 0.4%. The utility needs to understand this is based on the Goliath flow nozzle.

3. Full re-calibration of AMAG system WITH re-calibration of Goliath flow nozzle.

- a. This is the most bulletproof solution. It is the same as option 2, except, instead of reasonable assurance that the flow nozzle calibration is valid, a new calibration of the flow nozzle removes any subjectivity about the flow nozzle measurement. This option satisfies the NRC position of having an independent flow measurement to validate the installation.

~~The decision was made on 10/4/06 to implement Option 2. This option will involve a plant modification to add isolation valves for the instrumentation on the feedwater bypass flow nozzle. This work will be performed under several work orders and the DCR process. Work order numbers will be added to the GAP to track the resolution of these items.~~

10/4/2006 16:06:49 - SNYDER, PAUL:

The due date was changed to allow time to include the work order numbers that will be used to perform the testing. The new due date is still within 90 days of origination date and is not considered an extension.

10/5/2006 7:40:07 - SNYDER, PAUL:

The method that we will use for testing AMAG has been determined. The only change is that additional isolation valves will not have to be added for the instrumentation on the feedwater bypass flow nozzle. The testing can be performed with the existing configuration. Work Order 05-14413 will be used to perform the testing. A new Work Request, 06-4050 has been generated to control the instrumentation installation on the feedwater bypass flow nozzle. No further action is required for this activity.

Hot Buttons: K-NOD Assessment Recommendations

Section 4

QA Supervisor: (None) Licensing Supervisor: (None)

Section 5

Project: Corrective Action State: Done
Active/Inactive: Inactive Owner: (None)
Submitter: WALESH, DEBRA Assigned Date: 9/14/2006
Last Modified Date: 11/3/2006 6:41:33 Last Modifier: WALESH, DEBRA
Last State Change Date: 11/3/2006 6:41:33 Last State Changer: WALESH, DEBRA
Close Date: 11/3/2006 6:41:33

NUTRK ID:

Child Number: 0

References:

Update:

Import Memo Field:

CAP Admin: KNPP CAP Admin Site: Kewaunee

OLD_ACTION_NUM:

Cartridge and Frame:

Response: (None) Primary Attribute: (None)

Primary Topic: (None) Secondary Attribute: (None)

Secondary Topic: (None) INPO Performance Objective: ER.3 Long-Term Equip Reliability

sub_tsid: 0

Attachments and Parent/Child Links

Subtask from CAP037123: CROSSFLOW System Issues by WALESH, DEBRA (9/13/2006 22:19:50)

Linked from OTH015296: Ops to ensure reactor thermal power does not exceed 99.7% by PECKHAM, KENT (9/27/2006 11:12:08)

Site VP Brief from 9/19/2006 (109568 bytes) by PAWLITZKY, Tina (9/27/2006 12:04:20)

Change History

9/13/2006 22:19:51 by WALESH, DEBRA

Last Modified Date Changed From 9/13/2006 22:19:50 To 9/13/2006 22:19:51

Attachment Added: Subtask from CAP037123: CROSSFLOW System Issues

9/14/2006 4:24:25 by SNYDER, PAUL

Activity Performer Changed From (None) To EHLEN, PATRICK

Priority Changed From (None) To 1

Due Date Changed From Unassigned To 9/27/2006

State Changed From Assign Work To Conduct Work Via Transition: Assign

Owner Changed From SNYDER, PAUL To EHLEN, PATRICK

Assigned Date Changed From Unassigned To 9/14/2006

Last Modified Date Changed From 9/13/2006 22:19:51 To 9/14/2006 4:24:25

Last Modifier Changed From WALESH, DEBRA To SNYDER, PAUL

Last State Change Date Changed From 9/13/2006 22:19:50 To 9/14/2006 4:24:25

Last State Changer Changed From WALESH, DEBRA To SNYDER, PAUL

9/25/2006 11:33:32 by SNYDER, PAUL

Due Date Changed From 9/27/2006 To 10/5/2006

Activity Completed Changed From " To '[Appended:] Still working on the evaluation. The due date has been changed as a result. The new due date is still within the 30 day evaluation criteria and will be completed prior to the assigned mode change restraint.'

Last Modified Date Changed From 9/14/2006 4:24:25 To 9/25/2006 11:33:32

9/27/2006 11:12:09 by PECKHAM, KENT

Last Modified Date Changed From 9/25/2006 11:33:32 To 9/27/2006 11:12:09

Last Modifier Changed From SNYDER, PAUL To PECKHAM, KENT

Attachment Added: Linked from OTH015296: Ops to ensure reactor thermal power does not exceed 99.7%

9/27/2006 12:04:20 by PAWLITZKY, Tina

Last Modified Date Changed From 9/27/2006 11:12:09 To 9/27/2006 12:04:20

Last Modifier Changed From PECKHAM, KENT To PAWLITZKY, Tina

Attachment Added: Site VP Brief from 9/19/2006

9/27/2006 12:07:47 by PAWLITZKY, Tina

Activity Requested Changed From '[Original Text]' To '[Appended:] This was also identified in the NOD Site VP Brief from 9/19/2006. Please see page 3 of 15 in the attached file for more information.'

Hot Buttons Changed From (None) To K-NOD Assessment Recommendations

Last Modified Date Changed From 9/27/2006 11:12:09 To 9/27/2006 12:07:47

Last Modifier Changed From PECKHAM, KENT To PAWLITZKY, Tina

9/27/2006 12:11:54 by PAWLITZKY, Tina

Activity Requested Changed From '[Original Text]' To '[Appended:] (OTH15296 was closed to this CA.)'

Last Modified Date Changed From 9/27/2006 12:07:47 To 9/27/2006 12:11:54

10/4/2006 11:12:05 by EHLEN, PATRICK

Activity Completed Changed From '[Original Text]' To '[Appended:] AMAG Options 1. Verify current condition and perform full recalibration at a later date after NRC communication is issued. a. This option will verify our current condition is acceptable, allowing us to operate at 100% power. This[...]

State Changed From Conduct Work To Review & Approval Via Transition: Work Complete

Owner Changed From EHLEN, PATRICK To SNYDER, PAUL

Last Modified Date Changed From 9/27/2006 12:11:54 To 10/4/2006 11:12:05

Last Modifier Changed From PAWLITZKY, Tina To EHLEN, PATRICK
Last State Change Date Changed From 9/14/2006 4:24:25 To 10/4/2006 11:12:05
Last State Changer Changed From SNYDER, PAUL To EHLEN, PATRICK

10/4/2006 16:06:49 by SNYDER, PAUL

Due Date Changed From 10/5/2005 To 10/10/2006

Activity Completed Changed From '[Original Text]' To '[Appended:] The due date was changed to allow time to include the work order numbers that will be used to perform the testing. The new due date is still within 90 days of origination date and is not considered an extension.'

Last Modified Date Changed From 10/4/2006 11:12:05 To 10/4/2006 16:06:49

Last Modifier Changed From EHLEN, PATRICK To SNYDER, PAUL

10/5/2006 7:40:07 by SNYDER, PAUL

Activity Completed Changed From '[Original Text]' To '[Appended:] The method that we will use for testing AMAG has been determined. The only change is that additional isolation valves will not have to be added for the instrumentation on the feedwater bypass flow nozzle. The testing can be performed wi[...]

State Changed From Review & Approval To Quality Check Via Transition: Approved

Owner Changed From SNYDER, PAUL To KNPP CAP Admin

Last Modified Date Changed From 10/4/2006 16:06:49 To 10/5/2006 7:40:07

Last State Change Date Changed From 10/4/2006 11:12:05 To 10/5/2006 7:40:07

Last State Changer Changed From EHLEN, PATRICK To SNYDER, PAUL

CAP Admin Changed From (None) To KNPP CAP Admin

11/3/2006 6:41:33 by WALESH, DEBRA

State Changed From Quality Check To Done Via Transition: Complete and Close

Active/Inactive Changed From Active To Inactive

Owner Changed From KNPP CAP Admin To (None)

Last Modified Date Changed From 10/5/2006 7:40:07 To 11/3/2006 6:41:33

Last Modifier Changed From SNYDER, PAUL To WALESH, DEBRA

Last State Change Date Changed From 10/5/2006 7:40:07 To 11/3/2006 6:41:33

Last State Changer Changed From SNYDER, PAUL To WALESH, DEBRA

Close Date Changed From Unassigned To 11/3/2006 6:41:33