Attached please find HNP-06-067, FAQs Requesting Additional Guidance or Clarification Regarding Transition to NFPA 805 "Performance Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants." If a hard copy is desired or if I can be of further assistance please contact Kelli Voelsing (VNET 751-3057).

<<HNP-06-067.pdf>>

Kelli Voelsing
Senior Engineering and Technical Support Specialist
Licensing and Regulatory Affairs
Harris Nuclear Plant
919-362-3057
Kelli.Voelsing@pgnmail.com

**Mail Envelope Properties** (4450D76A.BE3 : 15 : 11235)

Subject: HNP-06-067, FAQs for NFPA 805 Creation Date Thu, Apr 27, 2006 10:21 AM

From: "Voelsing, Kelli" < Kelli. Voelsing@pgnmail.com>

Created By: Kelli.Voelsing@pgnmail.com

#### Recipients

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george.attarian (George Attarian)
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haifire.com ekleinsorg CC

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Files Size Date & Time

MESSAGE 518 Thursday, April 27, 2006 10:21

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TEXT.htm 1340 HNP-06-067.pdf 1979274 Mime.822 2713613

**Options** 

Expiration Date: None Priority: Standard

ReplyRequested: No Return Notification: None

Concealed Subject: No

Security: Standard

### Attachment 1:



APR 2 7 2006

Serial: HNP-06-067 10 CFR 50.48

Mr. Sunil D. Weerakkody, Fire Protection Branch Chief U.S. Nuclear Regulatory Commission One White Flint North 11555 Rockville Pike Rockville, Maryland 20852-2738

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1 DOCKET NO. 50-400/LICENSE NO. NPF-63

FREQUENTLY ASKED QUESTIONS (FAQS), REQUESTING ADDITIONAL GUIDANCE OR CLARIFICATION REGARDING TRANSITION TO NFPA-805 "PERFORMANCE BASED STANDARD FOR FIRE PROTECTION FOR LIGHT WATER REACTOR ELECTRIC GENERATING PLANTS"

Dear Mr. Weerakkody:

Attached please find the first of a series of Frequently Asked Questions (FAQs), requesting additional guidance or clarification regarding Transition to NFPA-805 "Performance Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants." The questions are submitted in the format discussed during the March 27-30, 2006 Pilot Plant status meeting in Raleigh, North Carolina with representatives of Progress Energy, Duke Energy and the NRC Staff. The FAQs represent a portion of the "Parking Lot" Issues identified during that meeting.

It should be noted these FAQs are not intended to be used for recommending changes to NFPA-805. They are only intended to be used for clarification of or changes to NEI 04-02, "Guidance For Implementing A Risk-Informed, Performance-Based Fire Protection Program Under 10 CFR 50.48(c)." Our understanding is that once approved, FAQs will be considered to be an extension of NEI 04-02 and will be incorporated at the next revision of that document.

Please review the attached FAQs, and advise on the acceptability of the proposed solutions. The guidance and clarifications sought are necessary to support further implementation of the NFPA-805 transition process for our pilot and fleet plants.

Please refer any question regarding this submittal to Mr. Dave Corlett at (919) 362-3137.

Sincerely,

David H. Corlett

Supervisor – Licensing/Regulatory Programs

#### DHC/khv

### Attachments:

1. FAQ 06-0001

2. FAQ 06-0002

3. FAQ 06-0003

c:

Mr. R. A. Musser, NRC Sr. Resident Inspector

Mr. C. P. Patel, NRC Project Manager

Dr. W. D. Travers, NRC Regional Administrator

Mr. P. W. Lain, Fire Protection Branch

Mr. A. Marion, NEI

Mr. B. T. Jamar, NEI

bc:

Mr. G. E. Attarian
Mr. H. T. Barnett
Mr. D. T. Conley
Mr. S. D. Ebneter
Mr. D. G. Eisenhut
Mr. J. Ertman
Mr. D. M. Franklin
Mr. J. P. Fulford
Mr. D. W. Henneke
Mr. C. S. Hinnant
Mr. A. Holder

Mr. K. Heffner
Mr. E. D. Hux
Mr. M. T. Janus
Ms. E. K. Kleinsorg
Mr. R. D. Martin
Mr. E. A. McCartney
Mr. H. J. Miller
Mr. A. Ratchford
Mr. R. A. Steele
Licensing Files (2 copies)
Nuclear Records

Attachment 1 to SERIAL: HNP-06-067

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
FREQUENTLY ASKED QUESTIONS (FAQS), REQUESTING ADDITIONAL
GUIDANCE OR CLARIFICATION REGARDING TRANSITION TO NFPA-805
"PERFORMANCE BASED STANDARD FOR FIRE PROTECTION FOR LIGHT
WATER REACTOR ELECTRIC GENERATING PLANTS"

NFPA-805 Transition Pilot Plant FAQ 06-0001

## NFPA-805 Transition Pilot Plant Frequently Asked Questions

(Template)

Plant: Submittal Date:	Harris Nuclear Plant (HNP) 04-25-06	FAQ # 06-0001
Licensee Contact:	Jeff Ertman	Tele/email 919-546-3681
NRC Contact:	whether the state of the state	Tele/email
Subject		
Interpretive Guidan	ce? <u>Yes</u> / No	
Proposed New Guid	lance not currently in NEI 04-02?	Yes / No

#### **Details**

NEI 04-02 Guidance needing interpretation (include section, paragraph number, and line number as applicable):

Figure B-4 added to NEI 04-02 reflects the concept of III.G.1 (fire affected train) manual actions.

Circumstances requiring guidance interpretation or new guidance:

Clarify approved/unapproved manual actions for change analysis. Add additional discussion on actions associated with redundant trains/fire affected train/alternative shutdown.

Detail contentious points if licensee and NRC have not reached agreement:

NA

Potentially relevant existing FAQ numbers:

NA

#### Response Section

Proposed Resolution of FAQ and basis for the proposal:

Add new figures (B-4 & B-5) to NEI 04-02 to illustrate fire affected train operator manual actions (where credited train is protected in a fire area, e.g., 3-hour wrap, that includes the fire affected train operator manual action). Configurations shown are functionally equal for the fire affected train of equipment and as such would not require prior regulatory approval for change.

If appropriate, provide proposed rewording of guidance for inclusion in next revision.

As follows;

#### Appendix B-2 - Transition of Nuclear Safety Performance Criteria

The information for operator manual actions that should be included in the summary for the fire area is: 1) whether the operator manual actions were previously reviewed and approved by the NRC's Office of Nuclear Reactor Regulation (NRR), and 2) reference to documentation that demonstrates prior review and approval by the NRC. In some cases the previous approval may not be necessary or may not be obvious, yet should be allowed. Examples are:

The operator manual action is currently credited in the Alternative Shutdown Procedure. Although this manual action was NOT specifically mentioned in the SER, the licensee submittal specifically discussed the methodology to be used to shutdown. The action(s) is/are feasible and meet the 10 CFR 50 Appendix R. Section III.L (or applicable sections of NUREG-0800) criteria. This can be considered previously approved.

Deleted: operator action

- The operator manual action is currently credited in Non-Alternative Shutdown Procedure. The manual action was specifically discussed as acceptable in the SER however the NRC did not grant an exemption/deviation. This can be considered previously approved.
- The operator manual action is currently credited in Non-Alternative Shutdown Procedure.
   The manual action was specifically discussed in the Licensee submittal however; it is not mentioned in the SER. This can be considered previously approved.
- Operation of equipment for which cables and equipment for the redundant safe shutdown train are located in separate fire areas thus meeting Section III.G.1 of 10 CFR 50. Appendix R (or applicable sections of NUREG-0800). See Figure B-4.

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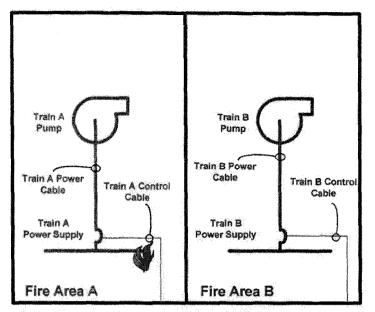
- Operation of fire affected equipment in fire areas that meet the separation requirements of Section III.G.2 of 10 CFR 50, Appendix R (or applicable sections of NUREG-0800) for redundant trains. See Figure B-5.
- Manual operation of normally operated manual switches and valves where 10 CFR 50.
   Appendix R, Section III.G.1 (or applicable sections of NUREG-0800) separation is provided for redundant safe-shutdown trains

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Repairs credited for cold shutdown equipment may also be transitioned on a fire area basis. Information that should be summarized includes reference to documentation that demonstrates the equipment necessary for the repair is staged, the repair is proceduralized, and the repair is achievable in the necessary timeframe.

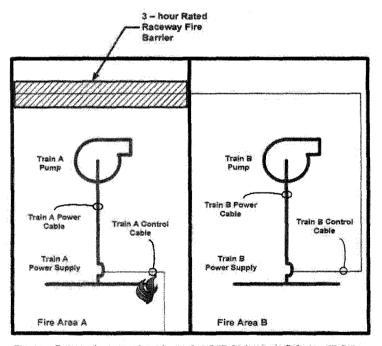
Operator manual actions that have been previously reviewed and approved by the NRC can be transitioned without the need to use the change evaluation process. However, licensees may consider the use of the change evaluation process for previously reviewed and approved operator manual actions so that the evaluation is consistent with operator manual actions not previously reviewed and approved by the NRC.

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Fire Area A and B meet the separation criteria of 10 CFR 50 Appendix R Section III.G.1 A postulated fire in Fire Area A could result in the spurious starting of the Train A pump, which can be mitigated by a manual operator action to de-energize the Train A Power Supply to stop Pump A.

Figure B-4 Acceptable Manual Action in Fire Area Meeting 10 CFR 50, Appendix R, Section III.G.1 Separation Criteria



Fire Area B meets the separation criteria of 10 CFR 50 Appendix R Section III.G.2.a A postulated fire in Fire Area A could result in the spurious starting of the noncredited Train A pump, which can be mitigated by a manual operator action to denergize the Train A Power Supply to stop Pump A. This is functionally equivalent to Case in Figure 8-4.

Figure B-5 Acceptable Manual Action in Fire Area Meeting 10 CFR 50, Appendix R, Section III.G.2 Compliant – Manual Action for Fire Affected Train

Attachment 2 to SERIAL: HNP-06-067

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
FREQUENTLY ASKED QUESTIONS (FAQS), REQUESTING ADDITIONAL
GUIDANCE OR CLARIFICATION REGARDING TRANSITION TO NFPA-805
"PERFORMANCE BASED STANDARD FOR FIRE PROTECTION FOR LIGHT
WATER REACTOR ELECTRIC GENERATING PLANTS"

NFPA-805 Transition Pilot Plant

FAQ 06-0002

# NFPA-805 Transition Pilot Plant Frequently Asked Questions

(Template)

Plant:	Harris Nuclear Plant (HNP)	FAQ # 06-0002
Submittal Date: Licensee Contact:	04-25-06 Jeff Ertman	Tele/email 919-546-3681
NRC Contact:	JULIA	Tele/email
Subject		
Interpretive Guidan	ce? <u>Yes</u> / No	
Proposed New Guid	lance not currently in NEI 04-02?	Yes / No

#### **Details**

NEI 04-02 Guidance needing interpretation (include section, paragraph number, and line number as applicable):

NEI 04-02, Section 5.3 and Appendix I

Circumstances requiring guidance interpretation or new guidance:

Recommend making nuclear safety questions first in screening reviews in order to determine necessity for Chapters features and systems. Related to FAQ #06-0003.

Detail contentious points if licensee and NRC have not reached agreement:

NA

Potentially relevant existing FAQ numbers:

Related to FAQ #06-0003.

#### Response Section

Proposed Resolution of FAQ and basis for the proposal:

NEI 04-02 Section 5.3 and Appendix I, to reflect the revised order of questions.

If appropriate, provide proposed rewording of guidance for inclusion in next revision.

As follows;

#### 5.3.3 Preliminary Risk Screening

Once the definition of the change is established, a screening is then performed to identify and resolve minor changes to the fire protection program. This screening is consistent with fire protection regulatory review processes in place at nuclear plants under traditional licensing bases. This screening process is modeled after the NEI 02-03 process. This process will address most administrative changes (e.g., changes to the combustible control program, organizational changes, etc.).

The characteristics of an acceptable screening process that meets the "assessment of the acceptability of risk" requirement of Section 2.4.4 of NFPA 805 are:

- The quality of the screen is sufficient to ensure that greater than minimal risk increases receive detailed risk assessments appropriate to the level of risk.
- The screening process must be documented and be available for inspection by the NRC.
- The screening process does not pose undue evaluation or maintenance burden.

If any of the above is not met, proceed to Section 5.3.4 Risk Evaluation.

Appendix I contains an example of a screening process. The screening process is divided into assessing if the change is trivial (Sections 1.a, 2.a, 3.a) and performing a risk screen in Section 4.0. The risk screen identifies and documents the factors that contribute to the risk associated with the change. In general, these factors include changes in: a) frequency of all fire scenarios which are affected by the change, b) magnitude of expected fires, c) detection capability, d) suppression capability, and e) post-fire capability of plant systems to prevent damage to the core.

The impact of the plant change on each of these factors can be evaluated (either qualitatively or quantitatively) and categorized as: "no" impact, "minimal" impact or "potentially greater than minimal" impact. The nature of the change would enable a licensee to choose among the three categories. A licensee may refer to their IPEEE, the fire protection SDP, or other documents to determine whether the change could have "minimal" or "potentially greater than minimal" impact. The licensee should document the basis for the conclusion. For those changes that do not meet the screening criteria a more detailed Risk Evaluation is required.

If a plant change could cause a "potentially greater than minimal" impact with respect to more than one of the above factors, or could result in a common cause impact on more than one of the above factors (a) frequency of all fire scenarios which are affected by the change, b) magnitude of expected fires, c) detection capability, d) suppression capability, and e) post-fire capability of plant systems to prevent damage to the core), licensees are encouraged to perform risk assessments of the more detailed, quantitative variety.

The preliminary risk screening and risk evaluations should also identify decreases in risk that are associated with the change. Depending upon the nature and magnitude of the decrease, consideration should be given to updating the risk model to account for the decrease.

## Appendix I - Plant Change Evaluation Form

### I. Plant Change Evaluation Form

	LICENSEE NAM	Æ			UNIT(S)		Deleter	: UTILITY
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12. The P. C. State Anna 11.	endment Required?						V	
☐ Yes	□ No						of Balatas	i; . The change affects
<b>*</b>			SIGNOFFS	**************			complian	ace with the Nuclear Safety
Print Name		Signature			DATE		[insert re documen	of NFPA 805 as defined in eference to the appropriate at (Section 1).  No  No
- <del>1</del>	SCREEN PREPARER®	****	SERVICE CONTRACTOR OF THE PERSON OF THE PERS			<del></del>	(T. 70)	e change affects compliance Radioactive Release Criteria
Print Name		Signature	-		DATE		of NFPA	805 as defined in [insert e to the appropriate documen
	SCREEN REVIEWER							Ĭ Ů. No
	Establish (Establish	CHAN	GE DESCR	UPTION		A Sollie		
rovide a brie	f description of wh	at is being	changed	and why.				
					10 No.50 (60)	A STATE OF THE STA		
	e references. Inch	2016	EFERENCI	12.2	A 111			

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<sup>&</sup>lt;sup>19</sup> Signoffs should be consistent with the Licensee's processes. For example it may be necessary for a fire protection engineer, PRA engineer, or safe shutdown engineer to have signature authority on the Plant Change Evaluation.

#### Appendix I - Plant Change Evaluation Form

### NUCLEAR SAFETY COMPLIANCE STRATEGY CHANGE QUESTIONS Considering the proposed change, answer the following questions, including a reference to the applicable regulatory, licensing basis, or NFPA document(s), and a brief description of why the proposed change does or does not satisfy the referenced document(s). Does the proposed change involve a Nuclear Safety Compliance Strategy requirement as Deleted: 2 defined in [Insert appropriate document reference]? Deleted: 2 Yes - Proceed to Question La. Deleted: ☐ No – Document basis and proceed to Question 2. Deleted: 3 Is the change editorial or trivial in nature? (See Attachment 1) Yes Document basis and stop. Deleted: 2 Proceed to Question <u>L</u>b. No b. Does the change meet the deterministic requirements of Chapter 4 of NFPA 805? Document basis and complete remaining sections. o 🗌 Yes Deleted: 2 o 🗆 No Proceed to Question L.c. Is the change equivalent to the NFPA 805 Chapter 4 compliance strategy as defined in [Insert appropriate document reference]? Ensure documentation for determination of equivalency is included and meets NEI 04-02 requirements for documentation, O Yes Document basis and complete remaining sections. Deleted: (See Attachment 2) Perform a Risk Evaluation. No Changes to Fire Protection Program Fundamental element / minimum design requirements that are required to meet the Nuclear Safety Performance Criteria must be evaluated in

Revision 2i

Section 3.

## Appendix I – Plant Change Evaluation Form

Doe	es the proposed change involve a Radioactive Release requirement as defined in [Insert	Deleted: 3
	ropriate document reference]?  Yes – Proceed to Question 2.a.	Deleted: 3
• [	☐ No – Document basis and proceed to risk screening.	
v		
a.	Is the change editorial or trivial in nature? (See Attachment 1)  O Yes Document basis and stop.	
	o No Proceed to Question 2, b.	Deleted: 3
b.	Does the change meet the requirements of the Radioactive Release criteria?  O Yes Document conclusions and proceed to risk screening.	
	○ □ No Proceed to Question 2.c.	Deleted: 3
C.	appropriate document reference? Ensure documentation for determination of equivalency is	William Burgara and San
	included and meets NEI 04-02 requirements for documentation.  o  Yes Document conclusions and proceed to risk screening	Deleted: (See Attachment 2
	o No Perform a Risk Evaluation.	

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## Appendix I - Plant Change Evaluation Form

FIRE	PRO	TECTION PROGRAM FUNDAMENTAL ELEMENT! MINIMUM DESIGN REQUIREMENT CHANGE QUESTIONS
regulat	ory. c dos Do an Xu	g the proposed change, answer the following questions, including a reference to the applicable licensing basis, or NFPA document(s), and a brief description of why the proposed change is not satisfy the referenced document(s), es the proposed change involve an NFPA 805 Chapter 3 requirement as defined in [Insert propriate document reference]? For those fire protection program changes that involve a clear Safety Compliance Strategy requirement or a Radioactive Release requirement, ensure effect of the change is evaluated in Appendix I, Sections 1.0 and 2.0, respectively.  Yes – Proceed to Question 3.a.  No – Document basis.
	***************************************	
	********	
	<u>a.</u>	Is the change editorial or trivial in nature? (See Attachment 1)  O Yes Document basis and stop.  O No Proceed to Question 3.b.
	b.	Does the change meet NFPA 805 Chapter 3 requirements or the previously approved alternative as defined in [Insert appropriate document reference]?
		Changes that deviate from the NFPA standards referenced in NFPA 805 Chapter 3 can be made without NRC approval if allowed by the code of record (so long as the evaluated condition is in accordance with the terms of the code of record) or if the code does not dictate the specific issue (e.g., adequacy of coverage of suppression and detection systems). Ensure documentation for determination of acceptability is included and meets NEI 04-02 requirements for documentation. (See Attachment 2)
		o Yes Document conclusions, complete remaining sections.
		No License Amendment Request must be processed for NRC approval.  Complete remaining sections.
İ		

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## Appendix I – Plant Change Evaluation Form PRELIMINARY RISK SCREENING

Considering the proposed change, answer the following questions. The nature of the change should enable you to choose among the three categories. Refer to the IPEEE, a plant-specific fire PRA, or other

ninimal given pl oading	l" ir ant in a	npa cha in ai	ct. Doo nge on rea can	ne whether the change could have "no", "minimal" or "potentially greater than cument the basis for the conclusion. The potential for common cause effects of a the above factors should be considered. For example, an increase in combustible impact all of the factors. See Attachment 3 for examples. The potential of the factors is a preliminary risk screen?
¥.U	a.	Do		proposed change impact the FIRE FREQUENCY of any fire scenarios affected by
		0		No Impact
		0		Minimal Impact
		O		Potentially Greater than minimal
	b.			proposed change impact the MAGNITUDE OF THE EXPECTED FIRES for any rios affected by the change?  No Impact
		o		Minimal Impact
		0		Potentially Greater than minimal
			·	
		-		
	c.	aff		proposed change impact the DETECTION CAPABILITY for any fire scenarios by the change?  No Impact
		0		Minimal Impact
		0		Potentially Greater than minimal
		_		
			***************************************	
	d.	af		proposed change impact the SUPPRESSION CAPABILITY for any fire scenarios by the change?  No Impact
		O		Minimal Impact
		o		Potentially Greater than minimal
			<u></u>	
		- Marie Control		
Pavis	in	. 21		

Appendix I – Plant Change Evaluation Form e. Does the proposed change impact the POST-FIRE CAPABILITY OF PLANT SYSTEMS TO PREVENT CORE DAMAGE (including fire affected human actions) during any mode of operation for any fire scenarios affected by the change? No Impact Minimal Impact Potentially Greater than minimal f. Do any of the risk screening questions have "Potentially greater than minimal" impact, then a Deleted: G detailed quantitative risk evaluation may be required. No. The Fire Protection Program Plant change meets the risk-informed acceptance criteria of NFPA 805 Section 2.4.4. o 🔲 Yes, a detailed quantitative risk evaluation is required. Note: Changes that clearly decrease risk should be identified during the review for potential

Revision 2i

updates to the risk model.

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
FREQUENTLY ASKED QUESTIONS (FAQS), REQUESTING ADDITIONAL
GUIDANCE OR CLARIFICATION REGARDING TRANSITION TO NFPA-805
"PERFORMANCE BASED STANDARD FOR FIRE PROTECTION FOR LIGHT
WATER REACTOR ELECTRIC GENERATING PLANTS"

NFPA-805 Transition Pilot Plant

FAQ 06-0003

## NFPA-805 Transition Pilot Plant Frequently Asked Questions

(Template)

Plant:	Harris Nuclear Plant (HNP)	FAQ # <u>06-0003</u>
Submittal Date:	<u>04-25-06</u>	The state of the s
Licensee Contact:	Jeff Ertman	Tele/email 919-546-3681
NRC Contact:		Tele/email
Subject		
Interpretive Guidance	e? <u>Yes</u> / No	
Proposed New Guid	ance not currently in NEI 04-02?	<u>Yes</u> / No
<u>Details</u>		
NEI 04-02 Guidance number as applicable	e needing interpretation (include sect	ion, paragraph number, and line
NEI 04-02 Section 5.3	and Appendix I.	
Circumstances requi	ring guidance interpretation or new a	guidance:
	"potentially greater than minimal" vs. "gradix I of NEI 04-02. Also factor risk decrea	
Detail contentious p	oints if licensee and NRC have not re	eached agreement:
NA:		
Potentially relevant	existing FAQ numbers:	
NA		

## Response Section

Proposed Resolution of FAQ and basis for the proposal:

Updated NEI 04-02 Section 5.3 and Appendix I.

If appropriate, provide proposed rewording of guidance for inclusion in next revision.

As follows;

Appendix I contains an example of a screening process. The screening process is divided into assessing if the change is trivial (Sections 1.a, 2.a, 3.a) and performing a risk screen in Section 4.0. The risk screen identifies and documents the factors that contribute to the risk associated with the change. In general, these factors include changes in: a) frequency of all fire scenarios which are affected by the change, b) magnitude of expected fires, c) detection capability, d) suppression capability, and e) post-fire capability of plant systems to prevent damage to the core.

The impact of the plant change on each of these factors can be evaluated (either qualitatively or quantitatively) and categorized as: "no" impact, "minimal" impact or "potentially greater than minimal" impact. The nature of the change would enable a licensee to choose among the three categories. A licensee may refer to their IPEEE, the fire protection SDP, or other documents to determine whether the change could have "minimal" or "potentially greater than minimal" impact. The licensee should document the basis for the conclusion. For those changes that do not meet the screening criteria a more detailed Risk Evaluation is required.

If a plant change could cause a "potentially greater than minimal" impact with respect to more than one of the above factors, or could result in a common cause impact on more than one of the above factors (a) frequency of all fire scenarios which are affected by the change, b) magnitude of expected fires, c) detection capability, d) suppression capability, and e) post-fire capability of plant systems to prevent damage to the core), licensees are encouraged to perform risk assessments of the more detailed, quantitative variety.

The preliminary risk screening and risk evaluations should also identify decreases in risk that are associated with the change. Depending upon the nature and magnitude of the decrease, consideration should be given to updating the risk model to account for the decrease.

			PRELIMINARY RISK SCREENING
enable y docume minima given p	you tents to d' in lant tent tent tent tent tent tent tent t	to choose and to determine apact. Docu change on the area can in the change	ed change, answer the following questions. The nature of the change should mong the three categories. Refer to the IPEEE, a plant-specific fire PRA, or other to whether the change could have "no", "minimal" or "potentially greater than ament the basis for the conclusion. The potential for common cause effects of a the above factors should be considered. For example, an increase in combustible impact all of the factors. See Attachment 3 for examples.  be evaluated using a preliminary risk screen?  oposed change impact the FIRE FREQUENCY of any fire scenarios affected by No Impact
		。	Minimal Impact
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	b.		roposed change impact the MAGNITUDE OF THE EXPECTED FIRES for any os affected by the change?  No Impact
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	C.		roposed change impact the DETECTION CAPABILITY for any fire scenarios the change?  No Impact
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	d.		roposed change impact the SUPPRESSION CAPABILITY for any fire scenarios the change?  No Impact
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	PREV	proposed change impact the POST-FIRE CAPABILITY OF PLANT SYSTEMS FENT CORE DAMAGE (including fire affected human actions) during any mode of for any fire scenarios affected by the change?  No Impact	
0		Minimal Impact	
0		Potentially Greater than minimal	
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		f the risk screening questions have "Potentially greater than minimal" impact, then a quantitative risk evaluation may be required.  No. The Fire Protection Program Plant change meets the risk-informed acceptance criteria of NFPA 805 Section 2.4.4.	Deleted: G
de	tailed o	quantitative risk evaluation may be required.  No. The Fire Protection Program Plant change meets the risk-informed	Deleted: G
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