

July 6, 2010

Ms. Kimberly Bose Secretary Federal Energy Regulatory Commission 888 First Street, N.E. Washington, DC 20426

Re: Abbreviated Notice of Penalty
NAES Corporation - Lincoln Generating Facility, FERC Docket No. NP10-__-000

Dear Ms. Bose:

The North American Electric Reliability Corporation (NERC) hereby provides this Abbreviated Notice of Penalty (NOP) regarding NAES Corporation - Lincoln Generating Facility (NAES), with information and details regarding the nature and resolution of the violation discussed in detail in the Settlement Agreement (Attachment b) and the Disposition Document (Attachment c), in accordance with the Federal Energy Regulatory Commission's (Commission or FERC) rules, regulations and orders, as well as NERC Rules of Procedure including Appendix 4C (NERC Compliance Monitoring and Enforcement Program (CMEP)).

On March 10, 2009, NAES self-reported a violation of VAR-002-1 Requirement (R) 1 to Reliability *First* Corporation (Reliability *First*) for NAES's failure to operate its generator voltage regulators in automatic voltage control mode. This Notice of Penalty is being filed with the Commission because Reliability *First* and NAES have entered into a Settlement Agreement to resolve all outstanding issues arising from a preliminary and non-public assessment resulting in

¹ Also concurrently being filed is a Notice of Penalty designated as NOC-447 regarding a separate Settlement Agreement between Reliability *First* and Lincoln Generating Facility, LLC (LGF) for a violation of PRC-005-1 R2.1. NAES provides operations and maintenance (O&M) services to LGF under a long-term O&M agreement. There is no corporate affiliation between LGF and NAES. This note is provided for information purposes only due to the instant violation and concurrent violation relative to the same physical facility.

² For purposes of this document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, alleged or confirmed violation.

³ Rules Concerning Certification of the Electric Reliability Organization; and Procedures for the Establishment, Approval, and Enforcement of Electric Reliability Standards (Order No. 672), III FERC Stats. & Regs. ¶ 31,204 (2006); Notice of New Docket Prefix "NP" for Notices of Penalty Filed by the North American Electric Reliability Corporation, Docket No. RM05-30-000 (February 7, 2008). See also 18 C.F.R. Part 39 (2010). Mandatory Reliability Standards for the Bulk-Power System, FERC Stats. & Regs. ¶ 31,242 (2007) (Order No. 693), reh'g denied, 120 FERC ¶ 61,053 (2007) (Order No. 693-A). See 18 C.F.R § 39.7(c)(2).

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Reliability First's determination and findings of the enforceable violation of VAR-002-1 R1. According to the Settlement Agreement, NAES neither admits nor denies the violation, but has agreed to the proposed penalty of nine thousand dollars (\$9,000) to be assessed to NAES, in addition to other remedies and actions to mitigate the instant violation and facilitate future compliance under the terms and conditions of the Settlement Agreement. Accordingly, the violation identified as NERC Violation Tracking Identification Number RFC200900120 is being filed in accordance with the NERC Rules of Procedure and the CMEP.

Statement of Findings Underlying the Violation

This Notice of Penalty incorporates the findings and justifications set forth in the Settlement Agreement executed on January 29, 2010, by and between Reliability First and NAES and the Supplemental Record Information document issued by Reliability First on February 1, 2010. The details of the findings and the basis for the penalty are set forth in the Disposition Document. This Notice of Penalty filing contains the basis for approval of the Settlement Agreement by the NERC Board of Trustees Compliance Committee (NERC BOTCC). In accordance with Section 39.7 of the Commission's regulations, 18 C.F.R. § 39.7, NERC provides the following summary table identifying each violation of a Reliability Standard resolved by the Settlement Agreement, as discussed in greater detail below.

Region	Registered Entity	NOC ID	NERC Violation ID	Reliability Std.	Req. (R)	VRF	Total Penalty (\$)
Reliability First	NAES Corporation - Lincoln Generating Facility	NOC-476	RFC200900120	VAR-002-1 ⁴	1	Medium	9,000

The text of the Reliability Standard at issue is set forth in the Disposition Document.

$\underline{\text{VAR-002-1 R1 - OVERVIEW}}^{\underline{5}}$

Reliability *First* determined that NAES, as a Generator Operator, operated its generator voltage regulators in Power Factor mode instead of automatic voltage control mode without notifying its Transmission Operator.

The duration of the VAR-002-1 R1 violation was from June 18, 2007, the date the Standard became enforceable, through March 10, 2009, when NAES completed its Mitigation Plan.

Reliability *First* concluded that this violation did not pose a serious or substantial risk to the reliability of the bulk power system (BPS) because while the generator may not have been operating in automatic voltage control mode as required by the Standard, NAES was controlling the generator in the automatic power factor (PF) control mode. The Lincoln Generating Facility has only been dispatched 14 times since June 18, 2007 and there were no reported periods of

⁴ VAR-002-1 was enforceable from June 18, 2007 through August 27, 2008. VAR-002-1a was approved by the Commission and became enforceable on August 28, 2008. VAR-002-1.1a is the current enforceable Standard as of May 13, 2009. The subsequent interpretation and errata provide clarity regarding the responsibilities of a registered entity and do not change the meaning or language of the original NERC Reliability Standard and its requirements. For consistency in this filing, the original NERC Reliability Standard, VAR-002-1, is used throughout.

⁵ Further information on this violation is contained in the Disposition Document included as Attachment c.

instability during these operation periods. Therefore, the risk was minimized because the actual connection time to the grid was minimized.

Regional Entity's Basis for Penalty

According to the Settlement Agreement, Reliability *First* has assessed a penalty of nine thousand dollars (\$9,000) for the referenced violation. In reaching this determination, Reliability *First* considered the following factors:

- 1. the violation constituted NAES's first occurrence of violation of the subject NERC Reliability Standard;
- 2. NAES was cooperative throughout the compliance enforcement process;
- 3. NAES's compliance program was considered, as discussed in the Disposition Document;
- 4. there was no evidence of any attempt to conceal a violation nor evidence of intent to do so;
- 5. the violation did not pose a serious or substantial risk to the reliability of the BPS, as discussed in the Disposition Document;
- 6. there was an extenuating circumstance due to the equipment design. In order to have the voltage regulator operate in automatic voltage control the Generator mode had to be in the "OFF" position; and
- 7. there were no other mitigating or aggravating factors that would affect the assessed penalty.

After consideration of the above factors, Reliability *First* determined that, in this instance, the penalty amount of nine thousand dollars (\$9,000) is appropriate and bears a reasonable relation to the seriousness and duration of the violation.

Statement Describing the Proposed Penalty, Sanction or Enforcement Action Imposed⁶ Basis for Determination

Taking into consideration the Commission's direction in Order No. 693, the NERC Sanction Guidelines, the Commission's July 3, 2008 and October 26, 2009 Guidance Orders, the NERC BOTCC reviewed the Settlement Agreement and supporting documentation on May 14, 2010. The NERC BOTCC approved the Settlement Agreement, including Reliability *First*'s imposition of a financial penalty, assessing a penalty of nine thousand dollars (\$9,000) against NAES and other actions to facilitate future compliance required under the terms and conditions of the Settlement Agreement. In approving the Settlement Agreement, the NERC BOTCC reviewed the applicable requirements of the Commission-approved Reliability Standards and the underlying facts and circumstances of the violation at issue.

⁶ See 18 C.F.R § 39.7(d)(4).

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⁷ North American Electric Reliability Corporation, "Guidance Order on Reliability Notices of Penalty," 124 FERC ¶61,015 (2008); North American Electric Reliability Corporation, "Guidance Order on Reliability Notices of Penalty," 129 FERC ¶61,069 (2009).

In reaching this determination, the NERC BOTCC considered the following factors:

- 1. the violation of constituted NAES's first occurrence of violation of the subject NERC Reliability Standards;
- 2. Reliability *First* reported that NAES was cooperative throughout the compliance enforcement process;
- 3. the quality of the NAES's compliance program, as discussed in the Disposition Document;
- 4. there was no evidence of any attempt to conceal a violation nor evidence of intent to do so:
- 8. Reliability *First* determined that the violation did not pose a serious or substantial risk to the reliability of the BPS, as discussed above and in the Disposition Document;
- 9. there was an extenuating circumstance due to the equipment design. In order to have the voltage regulator operate in automatic voltage control the Generator mode had to be in the "OFF" position; and
- 10. there were no other mitigating or aggravating factors that would affect the assessed penalty.

For the foregoing reasons, the NERC BOTCC approves the Settlement Agreement and believes that the assessed penalty of nine thousand dollars (\$9,000) is appropriate for the violation and circumstances in question, and is consistent with NERC's goal to promote and ensure reliability of the BPS.

Pursuant to 18 C.F.R.§29.7(e), the penalty will be effective upon expiration of the 30 day period following the filing of this Notice of Penalty with FERC, or, if FERC decides to review the penalty, upon final determination by FERC.

Attachments to be included as Part of this Notice of Penalty

The attachments to be included as part of this Notice of Penalty is the following documents and material:

- a) NAES's Self-Report dated March 10, 2009, included as Attachment a;
- b) Settlement Agreement by and between Reliability *First* and NAES executed January 29, 2010, included as Attachment b;
 - i. NAES's Mitigation Plan for VAR-002-1 R1 submitted March 10, 2009,8 included as Attachment a to the Settlement Agreement;
 - ii. NAES's Certification of Completion of the Mitigation Plan for VAR-002-1 R1 dated November 17, 2009, included as Attachment b to the Settlement Agreement;
 - iii. Reliability First's Verification of Completion of the Mitigation Plan for VAR-002-1 R1 dated January 4, 2010, included as Attachment c to the Settlement Agreement; and
- c) Disposition Document, included as Attachment c.

A Form of Notice Suitable for Publication⁹

A copy of a notice suitable for publication is included in Attachment d.

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⁸ The Mitigation Plan was originally submitted to ReliabilityFirst on March 10, 2009, but was unsigned. A signed version of the Mitigation Plan was submitted on March 30, 2009.

⁹ See 18 C.F.R § 39.7(d)(6).

Notices and Communications

Notices and communications with respect to this filing may be addressed to the following:

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David N. Cook*

Vice President and General Counsel

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*Persons to be included on the Commission's service list are indicated with an asterisk.

NERC requests waiver of the Commission's rules and regulations to permit the inclusion of more than two people on the service list.

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Conclusion

Accordingly, NERC respectfully requests that the Commission accept this Abbreviated NOP as compliant with its rules, regulations and orders.

Respectfully submitted,

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David N. Cook
Vice President and General Counsel
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/s/ Rebecca J. Michael
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cc: NAES Corporation - Lincoln Generating Facility Reliability *First* Corporation

Attachments

david.cook@nerc.net



Attachment a

NAES's Self-Report dated March 10, 2009



COMPLIANCE MONITORING AND ENFORCEMENT PROGRAM VIOLATION SELF-REPORTING FORM

This Violation Self-Reporting Form can be used for submittals via e-mail or fax for violations of the Reliability Standards identified by a self- assessment.

1.	Reliability Standard (XXX-###-# or XXX-###-RFC-##) VAR-002-1			
2.	Violation(s): Check the appropriate box(s) to identify violation(s) of any of the	he appli	cable requirement(s) referenced in the standar	d.
	For violations of requirements with Levels of Non-Compliance or Violatio	on Seve	rity Levels (VSL) specified in the standard:	
	Entity is Level 1 Non-Compliance or has Lower VSL for the following: requirement	ent(s):	for function(s):	
	☐ Entity is Level 2 Non-Compliance or has Moderate VSL for the following: require	ement(s)	: for function(s):	
	☐ Entity is Level 3 Non-Compliance or has High VSL for the following: requirement	nt(s):	for function(s):	
		ent(s): <u>R</u> -	for function(s): <u>GOP</u>	
	For violations of requirements with no Levels of Non-Compliance or Viola	ation Se	everity Levels specified in the standard:	
	☐ Entity is in violation of requirement(s) not referenced in the Levels of Non-Costandard:	omplian	ce or Violation Severity Levels section of the	
	requirement((s):	for function(s):	
3.	Description of the violation: Generator voltage regulator had been operated in control.	n autom –	natic PF control instead of automatic voltage	
4.	Additional information: Please note explanation in the mitigation attached m	<u>nitigatio</u>	n plan section C3.	
5.	Mitigation Plan attached: ⊠ Yes □ No			
6.	Officer Verification: I understand that this information is being provided as a Monitoring and Enforcement Program. Any review of this violation will requibe appropriate documentation.			
E	nter NERC Registry ID# NCR00845			
О	fficer's Name: Merle I. Churchill	_		
О	fficer's Title: Plant Manager	_		
О	fficer's e-mail address: mchurchill@tpfholdings.com	_ Phone	: 815-478-3852	
R	egistered Company Name: North American Energy Services (Lincoln)			
Pı	rimary Compliance Contact/Secondary: Merle I. Churchill			
Εı	mail: mchurchill@tpfholdings.com Phone:815-478-38	852	Date: <u>03/10/2009</u>	

E-mail Submittals to compliance@rfirst.org Subject Line: Violation Self-Report For any questions regarding compliance submittals, please e-mail compliance@rfirst.org.



Attachment b

Settlement Agreement by and between Reliability First and NAES executed January 29, 2010



In re	
NAES CORPORATION – LINCOLN) GENERATING FACILITY)	
)	DOCKET NUMBER
NERC Registry ID # NCR00845)	RFC200900120

SETTLEMENT AGREEMENT OF RELIABILITY FIRST CORPORATION AND NAES CORPORATION – LINCOLN GENERATING FACILITY

I. INTRODUCTION

1. Reliability First Corporation ("Reliability First") and NAES Corporation – Lincoln Generating Facility ("NAES") enter into this Settlement Agreement ("Agreement") to resolve all outstanding issues arising from a preliminary and non-public investigation resulting in Reliability First's determination and findings, pursuant to the North American Electric Reliability Corporation ("NERC") Rules of Procedure, of an alleged violation by NAES of the NERC Reliability Standard VAR-002-1, Requirement 1.

II. STIPULATION OF FACTS

2. The facts stipulated herein are stipulated solely for the purpose of resolving between NAES and Reliability *First* the matters discussed herein and do not constitute stipulations or admissions for any other purpose. NAES and Reliability *First* hereby stipulate and agree to the following:

A. BACKGROUND

- 3. North American Energy Services Company, a broad-based provider of services to the power generation industry, provides operations and maintenance (O&M) services at the Lincoln Generating Facility located in the Manhattan Township, approximately sixty miles southwest of Chicago, Illinois. NAES is working under a long-term O&M agreement for the owner of the Lincoln Generating Facility. NAES, headquartered in Issaquah, Washington, is the largest independent, third-party provider of power plant operations and maintenance services in the world, with an experience base of more than 18,500 MW of generation capacity using a wide variety of technologies and fuels in diversified modes of operation. Lincoln Generating Facility is a 656 MW capacity facility. It has been in service since 2000, and was acquired by Tenaska, one of the largest independent power producers in the United States, in 2007. Lincoln Generating Facility is a simple cycle peaking facility consisting of eight GE Frame 7EA dry low NOx combustion turbines fueled by natural gas that provides electric generating capacity for the Midwest region of the United States during peak demand period.
- 4. Reliability First staff confirmed that NAES is registered on the NERC Compliance Registry as a Generator Operator (GOP) in the Reliability First region with the NERC Registry Identification Number of NCR00845 and is therefore subject to compliance with Reliability Standard VAR-002-1, Requirement 1.

B. ALLEGED VIOLATION OF VAR-002-1, Requirement 1 - RFC200900120

5. Requirement 1 of VAR-002-1 states,

"The Generator Operator shall operate each generator connected to the interconnected transmission system in the automatic voltage control mode (automatic voltage regulator in service and controlling voltage) unless the Generator Operator has notified the Transmission Operator"

6. On March 10, 2009, NAES submitted to Reliability First a Compliance Monitoring and Enforcement Program Violation Self-Reporting Form in which it identified Non-Compliance to Requirement 1 of Reliability Standard VAR-002-1. Specifically, in the Self-Report, NAES stated that its generator voltage regulators had been continuously operating in automatic Power Factor ("PF") control instead of "automatic voltage control". While performing a review of the Lincoln Generating Facility's standard operating procedures one of the NAES home office engineers noticed that Lincoln Generating Facility appeared to be running the voltage regulator in automatic PF control instead of automatic voltage control. Lincoln Generating Facility management explained that on the GE HMI voltage control screen there are only 3 modes of control: "OFF", "PF", or "VAR". During commissioning in May 2000, the technicians were trained by General Electric (GE) to operate in "VAR" mode. Lincoln understood this to mean that the Units were operating in automatic voltage control when in "VAR"

mode. As a follow up to these concerns, Lincoln checked with other entities with the same GE control systems and found that they had experienced this same confusion. They checked with GE and learned that to in order have the voltage regulator operate in automatic voltage control the Generator mode had to be in the "OFF" position. They then began operating in automatic voltage control and proceeded to remove the word "OFF" from the HMI control panel and replaced it with "Voltage Control" to avoid confusion. Lincoln Generating Facility has eight generators available for operation, all of which have identical GE HMI control interface computer screens and therefore each one was operated in the Power Factor control mode instead of the OFF control mode without notifying the Transmission Operator.

- 7. NAES indicated that the Lincoln Generating Facility has averaged sixty-six service hours per unit since June 2007. Lincoln Generating Facility has only been dispatched fourteen times since June 18, 2007 and although each dispatch ranges between two and eight hours, the average dispatch lasts about five and a half hours. The last dispatch was on July 30, 2008. The only potential for impact to the Bulk Electric System was during these fourteen listed dispatch periods; and there was no reported impact during these operation periods. NAES performed a review of the 345kV voltage for these dispatch periods, and did not identify any periods of instability. NAES was within its voltage schedule and there were no unexpected unit trips during the enforceable period when the units were operating in the Power Factor mode.
- 8. Reliability *First* alleges that NAES failed to notify its Transmission Operator that the eight (8) generator voltage regulators at Lincoln Generating Facility were operating in automatic Power Factor mode instead in automatic voltage control.

III. PARTIES' SEPARATE REPRESENTATIONS

A. STATEMENT OF RELIABILITY FIRST AND SUMMARY OF FINDINGS

- 9. Reliability *First* considers this Agreement as the resolution of all issues with regard to the above captioned docket number and to bind NAES in the commitment to perform actions hereafter enumerated and listed as conditions for this Agreement.
- 10. VAR-002-1, Requirement 1 has a Violation Risk Factor (VRF) of Medium, as evidenced by the NERC Violation Risk Factor Matrix.
- 11. Reliability *First* found noteworthy and commendable certain aspects of NAES's compliance program including that the compliance oversight position (Vice President, Operations) reports to the President and CEO, Operations. In addition, the President and CEO, Operations, who is a member of the Executive Committee, has direct access to the Chairman and CEO of Tenaska, Inc. The compliance oversight position attends regular meetings with the President and

CEO, Operations and the Board of Stakeholders and is encouraged to discuss reliability and compliance matters with them. The compliance program has the support of the Board of Stakeholders and Executive Committee, and senior management reviews and ensures corrective actions are taken regarding the program. In order to ensure that the compliance program remains current, the program is reviewed and approved semi-annually. This review includes identification of any revisions to applicable Reliability Standards and the identification and implementation of program changes that may be deemed necessary to enhance the overall effectiveness of the program. In addition, internal compliance reviews are performed annually to verify compliance with all applicable NERC and Regional Reliability Standards.

12. Reliability *First* agrees that this agreement is in the best interest of the parties and in the best interest of bulk power system reliability.

B. STATEMENT OF NAES

- 13. NAES neither admits nor denies that the facts set forth and agreed to by the parties for purposes of this Agreement constitute a violation of VAR-002-1, Requirement 1.
- 14. NAES has agreed to enter into this Settlement Agreement with Reliability First to avoid extended litigation with respect to the matters described or referred to herein, to avoid uncertainty, and to effectuate a complete and final resolution of the issues set forth herein. NAES agrees that this agreement is in the best interest of the parties and in the best interest of maintaining a reliable electric infrastructure.

IV. MITIGATING ACTIONS, REMEDIES AND SANCTIONS

A. Mitigating Actions for VAR-002-1, Requirement 1 – RFC200900120

15. On March 10, 2009, NAES submitted to Reliability *First* a Mitigation Plan to address the Alleged Violation set forth in this Agreement. On April 9, 2009, Reliability *First* accepted the Mitigation Plan (Mitigation Plan Tracking # MIT-07-1569, *see* Attachment a), and submitted the accepted Mitigation Plan to NERC on April 13, 2009. NERC approved the Mitigation Plan and submitted the Mitigation Plan to FERC as confidential, non-public information on April 21, 2009. NAES certified completion within the Mitigation Plan by stating that the Mitigation Plan was completed by March 10, 2009. In addition, NAES submitted a formal Certification of Mitigation Plan Completion (entitled "Certification of Mitigation Plan Completion", *see* Attachment b) and evidence of completion of the Mitigation Plan on November 17, 2009.

- 16. In the Mitigation Plan, NAES outlined actions identified to be taken in order to mitigate the violation, as well as the dates by which the actions were to be taken:
 - a. Meet with entire Lincoln crew and explain the violation and how it is being mitigated. (Completed by March 10, 2009)
 - b. Change the General Electric HMI generator control screen button for voltage control to read "Voltage Control" instead of "OFF". (Completed by March 10, 2009)
 - c. Edit the CTG start up procedure to say "verify in Voltage Control" instead of "place in power factor control". (Completed by March 10, 2009)
- 17. Reliability First reviewed the evidence NAES submitted in support of its certification of completion of the Mitigation Plan. Reliability First performed an in-depth review to verify that all actions specified in the Mitigation Plan were successfully completed. On January 4, 2010, Reliability First verified that the Mitigation Plan was completed in accordance with its terms (see Attachment c, "Summary and Review of Evidence of Mitigation Plan Completion").
- 18. NAES shall pay a monetary penalty of \$9,000 to Reliability First. Reliability First shall present an invoice to NAES within twenty days after the Agreement is approved (as submitted or as modified in a manner acceptable to the parties) either by the Federal Energy Regulatory Commission or by operation of law, and Reliability First shall notify the North American Electric Reliability Corporation if the payment is not received.
- 19. It is understood that Reliability *First* staff may audit the progress of mitigation plans and any other remedies of this Agreement, including, but not limited to site inspection, interviews, and request other documentation to validate progress and/or completion of the mitigation plans and any other remedies of this Settlement Agreement. Reliability *First* shall reasonably coordinate audits and information requests with NAES related to this Settlement Agreement.
- 20. NAES shall pay \$9,000 to Reliability First as stated in this Settlement Agreement. However, if NAES fails to complete the actions described above, Reliability First reserves the right to assess and collect a monetary penalty, to impose a sanction or otherwise to impose enforcement actions. NAES shall retain all rights to defend against such additional enforcement actions in accordance with NERC Rules of Procedure.
- 21. Failure to make a timely penalty payment or to comply with any of the terms and conditions agreed to herein, or any other conditions of this Settlement Agreement, shall be deemed to be either the same alleged violation that initiated this Settlement and/or additional violation(s) and may subject NAES to new or

- additional enforcement, penalty or sanction actions in accordance with the NERC Rules of Procedure.
- 22. If NAES does not make the monetary penalty payment above at the times agreed by the parties, interest payable to Reliability *First* will begin to accrue pursuant to the Commission's regulations at 18 C.F.R. § 35.19a(a)(2)(iii) from the date that payment is due, in addition to the penalty specified above.

V. ADDITIONAL TERMS

- 23. The signatories to the Agreement agree that they enter into the Agreement voluntarily and that, other than the recitations set forth herein, no tender, offer or promise of any kind by any member, employee, officer, director, agent or representative of Reliability First or NAES has been made to induce the signatories or any other party to enter into the Agreement.
- 24. Reliability First shall report the terms of all settlements of compliance matters to NERC. NERC will review the settlement for the purpose of evaluating its consistency with other settlements entered into for similar violations or under other, similar circumstances. Based on this review, NERC will either approve the settlement or reject the settlement and notify Reliability First and NAES of changes to the settlement that would result in approval. If NERC rejects the settlement, NERC will provide specific written reasons for such rejection and Reliability First will attempt to negotiate a revised settlement agreement with NAES including any changes to the settlement specified by NERC. If a settlement cannot be reached, the enforcement process shall continue to conclusion. If NERC approves the settlement, NERC will (i) report the approved settlement to the Commission for the Commission's review and approval by order or operation of law and (ii) publicly post the alleged violation and the terms provided for in the settlement.
- 25. This Agreement shall become effective upon the Commission's approval of the Agreement by order or operation of law as submitted to it or as modified in a manner acceptable to the parties.
- 26. NAES agrees that this Agreement, when approved by NERC and the Commission, shall represent a final settlement of all matters set forth herein and NAES waives its right to further hearings and appeal, unless and only to the extent that NAES contends that any NERC or Commission action on the Agreement contains one or more material modifications to the Agreement.
- 27. Reliability *First* reserves all rights to initiate enforcement, penalty or sanction actions against NAES in accordance with the NERC Rules of Procedure in the event that NAES fails to comply with any of the stipulations, remedies, sanctions, or additional terms, as set forth in this Agreement. In the event that NAES fails to comply with any of the stipulations, remedies, sanctions or

- additional terms, as set forth in this Agreement, Reliability *First* will initiate enforcement, penalty, or sanction actions against NAES as allowed by the NERC Rules of Procedure, up to the maximum statutorily allowed penalty. NAES shall retain all rights to defend against such enforcement actions, also according to the NERC Rules of Procedure.
- 28. NAES consents to the use of Reliability *First*'s determinations, findings, and conclusions set forth in this Agreement for the purpose of assessing the factors, including the factor of determining the company's history of violations, in accordance with the NERC Sanction Guidelines and applicable Commission orders and policy statements. Such use may be in any enforcement action or compliance proceeding undertaken by NERC and/or any Regional Entity; provided, however that NAES does not consent to the use of the specific acts set forth in this Agreement as the sole basis for any other action or proceeding brought by NERC and/or Regional Entity, nor does NAES consent to the use of this Agreement by any other party in any other action or proceeding.
- 29. Each of the undersigned warrants that he or she is an authorized representative of the entity designated, is authorized to bind such entity and accepts the Agreement on the entity's behalf.
- 30. The undersigned representative of each party affirms that he or she has read the Agreement, that all of the matters set forth in the Agreement are true and correct to the best of his or her knowledge, information and belief, and that he or she understands that the Agreement is entered into by such party in express reliance on those representations, provided, however, that such affirmation by each party's representative shall not apply to the other party's statements of position set forth in Section III of this Agreement.
- 31. The Agreement may be signed in counterparts.
- 32. This Agreement is executed in duplicate, each of which so executed shall be deemed to be an original.

ReliabilityFirst Corporation

Attachment a

Mitigation Plan (MIT-07-1569)

Submitted March 10, 2009

MIT-07-1569



RFC200900120

Mitigation Plan Submittal Form

Date this	s Mitigation Plan is being submitted:	03/10/2009
'		
Section	A: Compliance Notices & M	Mitigation Plan Requirements
A.1		e to Mitigation Plans and this Submittal A - Compliance Notices & Mitigation Plan
A.2	This form must be used to submit r acceptance by Reliability First and	equired Mitigation Plans for review and approval by NERC.
A.3	☑ I have reviewed Attachment A a Submittal Form will not be accepte	and understand that this Mitigation Plan d unless this box is checked.
Section	B: Registered Entity Inform	<u>mation</u>
B.1	Identify your organization.	
	Company Name:	North American Energy Services (Lincoln)
	Company Address:	Lincoln Generating Facility 27150 South Kankakee St. Manhattan, IL 60442
	NERC Compliance Registry	ID: NCR00845
B.2	Identify the individual in your organized regarding this Mitigation Plan.	nization who will be the Entity Contact
	Name:	Merle I. Churchill
	Title:	Plant Manager
	Email:	mchurchill@tpfholdings.com
	Phone:	815-478-3852



Section C: <u>Identification of Alleged or Confirmed Violation(s)</u> <u>Associated with this Mitigation Plan</u>

C.1 This Mitigation Plan is associated with the following Alleged or Confirmed violation(s) of the reliability standard listed below.

NERC Violation ID #	Reliability Standard	Requirement Number	Violation Risk Factor	Alleged or Confirmed Violation Date ^(*)	Method of Detection (e.g., Audit, Self-report, Investigation)
None	VAR-002-1	R-1		06/18/2007 to Today	Internal Review

(*) Note: The Alleged or Confirmed Violation Date shall be expressly specified by the Registered Entity, and subject to modification by Reliability First, as: (i) the date the Alleged or Confirmed violation occurred; (ii) the date that the Alleged or Confirmed violation was self-reported; or (iii) the date that the Alleged or Confirmed violation has been deemed to have occurred on by Reliability First. Questions regarding the date to use should be directed to the Reliability First contact identified in Section G of this form.

C.2 Identify the cause of the Alleged or Confirmed violation(s) identified above. Additional detailed information may be provided as an attachment.

Generator voltage regulator was being operated in "automatic PF control" instead of "automatic voltage control". Please note Attachment-B.

Note: If a formal root cause analysis evaluation was performed, submit a copy of the summary report.

C.3 Provide any additional relevant information regarding the Alleged or Confirmed violations associated with this Mitigation Plan. Additional detailed information may be provided as an attachment.

Please review Attachment-B.

Section D: <u>Details of Proposed Mitigation Plan</u>



Mitigation Plan Contents

- D.1 Identify and describe the action plan, including specific tasks and actions that your organization is proposing to undertake, or which it undertook if this Mitigation Plan has been completed, to correct the Alleged or Confirmed violations identified above in Part C.1 of this form. Additional detailed information may be provided as an attachment.
 - 1. Meet with entire LGF crew and explain the violation and how it is being mitigated.
 - 2. Change the General Electric HMI generator control screen button for voltage control to read "Voltage Control" instead of "OFF".
 - 3. Edit the CTG start up procedure to say "verify in Voltage Control" instead of "place in power factor control".

Mitigation Plan Timeline and Milestones

D.2 Provide the date by which full implementation of the Mitigation Plan will be, or has been, completed with respect to the Alleged or Confirmed violations identified above. State whether the Mitigation Plan has been fully implemented, and/or whether the actions necessary to assure the entity has returned to full compliance have been completed.

Full implementation of mitigation plan was completed on 03/10/2009 and the GOP is now in full compliance.

D.3 Enter Key Milestone Activities (with due dates) that can be used to track and indicate progress towards timely and successful completion of this Mitigation Plan.

03/10/2009
03/1/02/07
03/10/2009
03/10/2009
_

^(*) Note: Additional violations could be determined for not completing work associated with accepted milestones.



Section E: Interim and Future Reliability Risk

Abatement of Interim BPS Reliability Risk

E.1 While your organization is implementing this Mitigation Plan the reliability of the Bulk Power System (BPS) may remain at higher risk or be otherwise negatively impacted until the plan is successfully completed. To the extent they are, or may be, known or anticipated: (i) identify any such risks or impacts; and (ii) discuss any actions that your organization is planning to take to mitigate this increased risk to the reliability of the BPS. Additional detailed information may be provided as an attachment.

N/A

Prevention of Future BPS Reliability Risk

E.2 Describe how successful completion of this Mitigation Plan by your organization will prevent or minimize the probability that the reliability of the BPS incurs further risk of similar violations in the future. Additional detailed information may be provided as an attachment.

Risk is prevented by using the proper voltage control automatic set point and keeping the Lincoln technicians trained to do such.



Section F: Authorization

An authorized individual must sign and date this Mitigation Plan Submittal Form. By doing so, this individual, on behalf of your organization:

- a) Submits this Mitigation Plan for acceptance by Reliability First and approval by NERC, and
- b) If applicable, certifies that this Mitigation Plan was completed on or before the date provided as the 'Date of Completion of the Mitigation Plan' on this form, and
- c) Acknowledges:
 - 1. I am Plant Manager of North American Energy Services (Lincoln).
 - 2. I am qualified to sign this Mitigation Plan on behalf of North American Energy Services (Lincoln).
 - 3. I have read and am familiar with the contents of this Mitigation Plan.
 - 4. North American Energy Services (Lincoln) agrees to comply with, this Mitigation Plan, including the timetable completion date, as accepted by Reliability First and approved by NERC.

Authorized Individual Signature

Name (Print): Merle I. Churchill

Title: Plant Manager

Date: 03/10/2009

Section G: Regional Entity Contact

Please direct completed forms or any questions regarding completion of this form to the Reliability First Compliance e-mail address mitigationplan@rfirst.org.

Please indicate the company name and reference the NERC Violation ID # (if known) in the subject line of the e-mail. Additionally, any Reliability First Compliance Staff member is available for questions regarding the use of this form. Please see the contact list posted on the Reliability First Compliance web page.

1. Epubil 3/80/09



Attachment A - Compliance Notices & Mitigation Plan Requirements

- I. Section 6.2 of the CMEP¹ sets forth the information that must be included in a Mitigation Plan. The Mitigation Plan must include:
 - (1) The Registered Entity's point of contact for the Mitigation Plan, who shall be a person (i) responsible for filing the Mitigation Plan, (ii) technically knowledgeable regarding the Mitigation Plan, and (iii) authorized and competent to respond to questions regarding the status of the Mitigation Plan.
 - (2) The Alleged or Confirmed Violation(s) of Reliability Standard(s) the Mitigation Plan will correct.
 - (3) The cause of the Alleged or Confirmed Violation(s).
 - (4) The Registered Entity's action plan to correct the Alleged or Confirmed Violation(s).
 - (5) The Registered Entity's action plan to prevent recurrence of the Alleged or Confirmed violation(s).
 - (6) The anticipated impact of the Mitigation Plan on the bulk power system reliability and an action plan to mitigate any increased risk to the reliability of the bulk power-system while the Mitigation Plan is being implemented.
 - (7) A timetable for completion of the Mitigation Plan including the completion date by which the Mitigation Plan will be fully implemented and the Alleged or Confirmed Violation(s) corrected.
 - (8) Key implementation milestones no more than three (3) months apart for Mitigation Plans with expected completion dates more than three (3) months from the date of submission. Additional violations could be determined for not completing work associated with accepted milestones.
 - (9) Any other information deemed necessary or appropriate.
 - (10) The Mitigation Plan shall be signed by an officer, employee, attorney or other authorized representative of the Registered Entity, which if applicable, shall be the person that signed the Self-Certification or Self Reporting submittals.
- II. This submittal form must be used to provide a required Mitigation Plan for review and acceptance by Reliability *First* and approval by NERC.
- III. This Mitigation Plan is submitted to Reliability First and NERC as confidential information in accordance with Section 1500 of the NERC Rules of Procedure.
- IV. This Mitigation Plan Submittal Form may be used to address one or more related Alleged or Confirmed violations of one Reliability Standard. A separate

.

¹ "Compliance Monitoring and Enforcement Program" of the ReliabilityFirst Corporation;" a copy of the current version approved by the Federal Energy Regulatory Commission is posted on the ReliabilityFirst website.

RELIABILITY FIRST

- mitigation plan is required to address Alleged or Confirmed violations with respect to each additional Reliability Standard, as applicable.
- V. If the Mitigation Plan is accepted by Reliability First and approved by NERC, a copy of this Mitigation Plan will be provided to the Federal Energy Regulatory Commission in accordance with applicable Commission rules, regulations and orders.
- VI. Reliability First or NERC may reject Mitigation Plans that they determine to be incomplete or inadequate.
- VII. Remedial action directives also may be issued as necessary to ensure reliability of the BPS.



DOCUMENT CONTROL

Title:

Mitigation Plan Submittal Form

Issue:

Version 2.0

Date:

11 July 2008

Distribution:

Public

Filename:

ReliabilityFirst Mitigation Plan Submittal Form - Ver 2.DOC

Control:

Reissue as complete document only

DOCUMENT APPROVAL

Prepared By	Approved By	Approval Signature	Date
Robert K. Wargo Senior Consultant Compliance	Raymond J. Palmieri Vice President and Director Compliance	Raymond J. Palmieri	1/2/08

DOCUMENT CHANGE/REVISION HISTORY

Version	Prepared By	Summary of Changes	Date
1.0	Robert K. Wargo	Original Issue – Replaces "Proposed Mitigation Plan" Form	1/2/08
2.0	Tony Purgar	Revised email address from compliance@rfirst.org to mitigationplan@rfirst.org	7/11/08

Attachment b

Certification of Mitigation Plan Completion

Submitted November 17, 2009



Certification of Mitigation Plan Completion

Submittal of a Certification of Mitigation Plan Completion shall include data or information sufficient for Reliability First Corporation to verify completion of the Mitigation Plan. Reliability First Corporation may request additional data or information and conduct follow-up assessments, on-site or other Spot Checking, or Compliance Audits as it deems necessary to verify that all required actions in the Mitigation Plan have been completed and the Registered Entity is in compliance with the subject Reliability Standard. (CMEP Section 6.6)

Registered Entity Name: NAES Corporation - Lincoln Generating Facility

NERC Registry ID:NCR00845

Date of Submittal of Certification: 11/17/2009

NERC Violation ID No(s):RFC200900120

Reliability Standard and the Requirement(s) of which a violation was mitigated: VAR-002-1 R1

Date Mitigation Plan was scheduled to be completed per accepted Mitigation Plan:3/10/2009

Date Mitigation Plan was actually completed:3/10/2009

Additional Comments (or List of Documents Attached): Additional comments explaining these attachments can be found in the cover email.

Mar 10 2009 LGF AVR Ops Email.pdf

Mar 10 2009 LGF AVR Ops.pdf

NERC VAR-002 LGF-att4 Generator Control Screen - Before.pdf

NERC VAR-002 LGF-att4 Generator Control Screen - After.pdf

VAR-002 Support - SOP-001A Edit.pdf

SOP-001A CRO Plant Startup rev14.doc

I certify that the Mitigation Plan for the above named violation has been completed on the date shown above and that all submitted information is complete and correct to the best of my knowledge.

Name: Merle Churchill

Title:Plant Manager - Lincoln Generating Facility

Email: MChurchill@TPFHoldings.com



Phone:815-478-3852

Authorized Signature Mark & Thunkell

Date__11/17/08

Please direct completed forms or any questions regarding completion of this form to the Reliability First Compliance e-mail address mitigationplan@rfirst.org.

Please indicate the company name and reference the NERC Violation ID # (if known) in the subject line of the e-mail. Additionally, any Reliability First Compliance Staff member is available for questions regarding the use of this form. Please see the contact list posted on the Reliability First Compliance web page.



DOCUMENT CONTROL

Title:

Certification of Mitigation Plan Completion

Issue:

Version 1

Date:

5 January 2008

Distribution:

Public

Filename:

Certification of a Completed Mitigation Plan_Ver1.doc

Control:

Reissue as complete document only

DOCUMENT APPROVAL

Prepared By	Approved By	Approval Signature	Date
Robert K. Wargo	Raymond J. Palmieri		
Manager of Compliance Enforcement	Vice President and Director Compliance	Raymond J. Palmieri	1/5/2009

DOCUMENT CHANGE/REVISION HISTORY

Version	Prepared By	Summary of Changes	Date
1.0	Robert K. Wargo	Original Issue	1/5/2009

Attachment c

Summary and Review of Mitigation Plan Completion

Dated January 4, 2010



January 4, 2010

Summary and Review of Evidence of Mitigation Plan Completion

NERC Violation ID #: RFC200900120 NERC Plan ID: MIT-07-1569

Registered Entity: NAES Corporation - Lincoln Generating

Facility

NERC Registry ID: NCR00845 Standard: VAR-002-1

Requirement: 1

Status: Compliant

NAES Corporation - L incoln Generating Facility ("NAES – Lincoln") submitted a Self Report of noncompliance with NERC Reliability Standard VAR-002-1, Requirem ent 1, on March 10, 2009. NAES – Lincoln submitted a Proposed Mitigation Plan to Reliability First on March 10, 2009, whereby stating NAES – Lincoln would complete all mitigating actions on or about March 10, 2009. This Mitigation Plan, designated MIT-07-1569, was accepted by Reliability First on April 9, 2009 and approved by NERC on April 21, 2009.

Review Process:

On November 17, 2009, NAES – Lincoln certif ied that Mitigation Plan for VAR-002-1, Requirement 1, was completed as of March 1 0, 2009. Reliability *First* requested and received evidence of completion for actions taken by NAES – Lincoln as specified in the Mitigation Plan. Reliability *First* performed an in depth review of the information provided to verify that all actions specified in the M itigation P lan were successfully completed.

VAR-002-1, Requirement 1 states: "The Generator Op erator shall operate each generator connected to the in terconnected transmission system in the a utomatic control mode (autom atic voltage regulator in se rvice and controlling voltage) unless the Generator Operator has notified the Transmission Operator."

Evidence Submitted: NAES – Lincoln supplied a red-line version of their start-up revised procedure titled, "SOP:001A (Shor t Form) – Nor mal Plant StartUp, Rev 14", dated March 10, 2009 that was updated to ensure that during plant start-up the unit would be placed in automatic voltage control when started as required by Standard VAR-002. A clean version of the same form, Revision 17 was provided on November 17, 2009 as the form currently being used by the NAES Unit operators.

Evidence Submitted: NAES – Li ncoln supplied a version of their start-up procedure titled, "SOP-001 Integrated Plan t Operations, R evision 0", that is undated, which is a

Summary and Review of Mitigation Plan Completion NAES Corporation – Lincoln Generating Facility January 4, 2010 Page 2 of 2

support document to S OP-001A to ensure the at during plant start- up the unit would be placed in automatic voltage control when started as required by Standard VAR-002.

Evidence Submitted: NAES – Lincoln supplied an e-m ail that a lessons learned document titled, "2009 LGF AVR Ops" document dated M arch 10, 2009, as well as the red-line version and clean version of their start-up procedure, "SOP-001A Short Form – Normal Plant StartUp, Rev 14", dated March 10, 2009, was distributed to the appropriate personnel to ensure that their unit will be placed in automatic voltage control when started as required by Standard VAR-002.

Evidence Submitted: NAES – Li ncoln supplied before and after screen shots of their operator's screen to show that proper labeling has been m ade to ensure that their unit is running in automatic voltage control as required by Standard VAR-002. To further show compliance, a screen sh ot of screen titled "Unit_Control.cim" for all eight (8) units was provided.

Evidence Submitted: NAES – Lincoln supplied "Black Start Completed Procedure 12_09_2009 Lincoln.pdf" to show that the new process is being used. Since Lincoln has not been dispatched this year, this was the only use of the process to date.

Review Results:

Reliability *First* Corpor ation reviewed the evidence the NAES – Lincoln submitted in support of its Certification of Completion. On January 4, 2010 Reliability *First* verified that the Mitigation Plan was completed in accordance with its terms and has therefore deemed NAES – Lincoln compliant to the aforementioned NERC Reliability Standard.

Respectfully Submitted,

Arhit K. Wargo

Robert Manager Reliability K. Wargo of Compliance Enforcement *First* Corporation



Attachment c

Disposition Document

DISPOSITION OF VIOLATION¹

NERC TRACKING REGIONAL ENTITY TRACKING NOC#

NO. NO.

RFC200900120 RFC200900120 NOC-476

REGISTERED ENTITY NERC REGISTRY ID

NAES Corporation - Lincoln Generating Facility (NAES) NCR00845

REGIONAL ENTITY

Reliability First Corporation (Reliability First)

I. REGISTRATION INFORMATION

ENTITY IS REGISTERED FOR THE FOLLOWING FUNCTIONS:

BA	DP	GO	GOP	IA	LSE	PA	PSE	RC	RP	RSG	TO	TOP	TP	TSP
			X											
			7											
			.0/											
			/30											
			N.											

^{*} VIOLATION APPLIES TO SHADED FUNCTIONS

DESCRIPTION OF THE REGISTERED ENTITY

NAES' parent company, North American Energy Services Company, provides services to the power generation industry, including operations and maintenance (O&M) services at the Lincoln Generating Facility (Facility) located in Manhattan Township, approximately sixty miles southwest of Chicago, Illinois. NAES is working under a long-term O&M agreement for the owner of the Facility, Lincoln Generating Facility, LLC (LGF). NAES is headquartered in Issaquah, Washington and is the largest independent, third-party provider of power plant O&M services in the world, with an experience base of more than 18,500 MW of generation capacity. The Facility is a simple cycle peaking facility consisting of eight General Electric (GE) Frame 7EA dry low NOx combustion turbines fueled by natural gas that provides electric generating capacity for the Midwest region during peak demand period. The Facility is a 656 MW capacity facility. It has been in service since 2000, and was acquired by Tenaska Inc., one of the largest independent power producers in the United States, in 2007.

¹ For purposes of this document and attachments hereto, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, alleged or confirmed violation.

I. VIOLATION INFORMATION

RELIABILITY	REQUIREMENT(S)	SUB-	VRF(S)	VSL(S)
STANDARD		REQUIREMENT(S)		
VAR-002-1 ²	1		Medium	Severe

PURPOSE OF THE RELIABILITY STANDARD AND TEXT OF RELIABILITY STANDARD AND REQUIREMENT(S)/SUB-REQUIREMENT(S)

The purpose of VAR-002-1 is to ensure generators provide reactive and voltage control necessary to ensure voltage levels, reactive flows, and reactive resources are maintained within applicable Facility Ratings to protect equipment and the reliable operation of the Interconnection.

VAR-002-1 R1 requires that: "The Generator Operator shall operate each generator connected to the interconnected transmission system in the automatic voltage control mode (automatic voltage regulator in service and controlling voltage) unless the Generator Operator has notified the Transmission Operator."

VIOLATION DESCRIPTION

On March 10, 2009, NAES self-reported a violation of VAR-002-1 R1 indicating that its generator voltage regulators had been continuously operating in automatic Power Factor (PF) control instead of automatic voltage control. While performing a review of the Facility's standard operating procedures, a NAES engineer noticed that the Facility appeared to be running the voltage regulator in automatic PF control instead of automatic voltage control. NAES explained that on the GE HMI voltage control screen there are only 3 modes of control: "OFF," "PF," or "VAR." During commissioning in May 2000, the technicians were trained by the manufacturer to operate in "VAR" mode. NAES understood this to mean that the units were operating in automatic voltage control when in "VAR" mode. As a follow up to these concerns, NAES checked with GE and learned that in order to have the voltage regulator operate in automatic voltage control, the Generator mode had to be in the "OFF" position. The Facility has eight generators available for operation, all of which have identical GE HMI control interface computer screens and each was operated in the PF control mode instead of the "OFF" control mode without notifying the Transmission Operator.

RELIABILITY IMPACT STATEMENT-POTENTIAL AND ACTUAL

² VAR-002-1 was enforceable from June 18, 2007 through August 27, 2008. VAR-002-1a was approved by the Commission and became enforceable on August 28, 2008. VAR-002-1.1a is the current enforceable Standard as of May 13, 2009. The subsequent interpretation and errata provide clarity regarding the responsibilities of a registered entity and do not change the meaning or language of the original NERC Reliability Standard and its requirements. For consistency in this filing, the original NERC Reliability Standard, VAR-002-1, is used throughout.

Reliability *First* concluded that this violation did not pose a serious or substantial risk to the reliability of the bulk power system (BPS) because while the generator may not have been operating in automatic voltage control mode as required by the Standard, it was controlling in the PF control mode. The Facility has only been dispatched 14 times since June 18, 2007 and there were no reported periods of instability during these operation periods. Therefore, the risk was minimized because the actual connection time to the grid was minimized.

IS THERE A SETTLEMENT AGREEMENT YES NO		
WITH RESPECT TO THE VIOLATION(S), REGISTERED ENTITY		
NEITHER ADMITS NOR DENIES IT (SETTLEMENT ONLY) ADMITS TO IT DOES NOT CONTEST IT (INCLUDING WITHIN 30 DAYS)	YES YES YES	
WITH RESPECT TO THE PROPOSED PENALTY OR SANCTION, REENTITY	GISTE	RED
ACCEPTS IT/ DOES NOT CONTEST IT	YES	\boxtimes
III. <u>DISCOVERY INFORMATION</u>		
METHOD OF DISCOVERY SELF-REPORT SELF-CERTIFICATION COMPLIANCE AUDIT COMPLIANCE VIOLATION INVESTIGATION SPOT CHECK COMPLAINT PERIODIC DATA SUBMITTAL EXCEPTION REPORTING		
DURATION DATE(S) 6/18/2007 through 3/10/2009		
DATE DISCOVERED BY OR REPORTED TO REGIONAL ENTITY 3/	/10/200	9
IS THE VIOLATION STILL OCCURRING YES □ NO ☑ IF YES, EXPLAIN		
REMEDIAL ACTION DIRECTIVE ISSUED PRE TO POST JUNE 18, 2007 VIOLATION YES	NO NO	

IV. MITIGATION INFORMATION

MITIGATION PLAN NO. MIT-07-1569

DATE SUBMITTED TO REGIONAL ENTITY
DATE ACCEPTED BY REGIONAL ENTITY
DATE APPROVED BY NERC
4/21/2009
DATE PROVIDED TO FERC
4/21/2009

IDENTIFY AND EXPLAIN VERSIONS THAT WERE REJECTED, IF APPLICABLE

MITIGATION PLAN COMPLETED YES NO

EXPECTED COMPLETION DATE 3/10/2009 EXTENSIONS GRANTED N/A
ACTUAL COMPLETION DATE 3/10/2009

DATE OF CERTIFICATION LETTER 11/17/2009 CERTIFIED COMPLETE BY REGISTERED ENTITY AS OF 3/10/2009

DATE OF VERIFICATION LETTER 1/4/2010 VERIFIED COMPLETE BY REGIONAL ENTITY AS OF 3/10/2009

ACTIONS TAKEN TO MITIGATE THE ISSUE AND PREVENT RECURRENCE

- 1. meet with the entire NAES crew to explain the violation and how it is being mitigated;
- 2. change the GE HMI generator control screen button for voltage control to read "Voltage Control" instead of "OFF;" and
- 3. edit the CTG start up procedure to say "verify in Voltage Control" instead of "place in PF control."

LIST OF EVIDENCE REVIEWED BY REGIONAL ENTITY TO EVALUATE COMPLETION OF MITIGATION PLAN OR MILESTONES (FOR CASES IN WHICH MITIGATION IS NOT YET COMPLETED)

1. NAES supplied a red-line version of its start-up revised procedure titled, SOP:001A (Short Form) – Normal Plant Startup, Rev 14, dated March 10, 2009 that was updated to ensure that during plant start-up the unit would be placed in automatic voltage control when started as required by

³ The Mitigation Plan was originally submitted to ReliabilityFirst on March 10, 2009, but was unsigned. A signed version of the Mitigation Plan was submitted on March 30, 2009.

Standard VAR-002-1. A clean version of the same form, Revision 17 was provided on November 17, 2009 as the form currently being used by the NAES unit operators;

- 2. NAES supplied a version of its start-up procedure titled, SOP-001 Integrated Plant Operations, Revision 0, that is undated, which is a support document to SOP-001A to ensure that during plant start-up the unit would be placed in automatic voltage control when started as required by Standard VAR-002-1;
- 3. NAES supplied an e-mail that is a lessons learned document titled, 2009 LGF AVR Ops dated March 10, 2009, as well as the red-line version and clean version of its start-up procedure, SOP-001A Short Form—Normal Plant Startup, Rev 14, dated March 10, 2009, and made sure that these documents were distributed to the appropriate personnel to ensure that its unit will be placed in automatic voltage control when started as required by Standard VAR-002-1;
- 4. NAES supplied before and after screen shots of its operators' screens to show that proper labeling has been made to ensure that each unit is running in automatic voltage control as required by Standard VAR-002-1. To further show compliance, a screen shot titled *Unit_Control.cim* for all eight units was provided; and
- 5. NAES supplied *Black Start Completed Procedure 12_09_2009 Lincoln.pdf* to show that the new process is being used. Since LGF has not been dispatched this year, this was the only use of the process to date.

V. PENALTY INFORMATION

(1) DOCUMENTATION PERFORMANCE BOTH	٧.
EXPLAIN (FOR DOCUMENTATION-TYPE VIOLATIONS, INCLUDE A DESCRIPTION OF HOW THE REGIONAL ENTITY VERIFIED THAT THE REGISTERED ENTITY HAD PERFORMED IN ACCORDANCE WITH THE RELIABILITY STANDARD(S)/REQUIREMENT(S))	
(2) REGISTERED ENTITY'S COMPLIANCE HISTORY PRIOR VIOLATIONS OF ANY OF THE INSTANT RELIABILITY STANDARD(S) OR REQUIREMENT(S) THEREUNDER YES NO	

LIST ANY CONFIRMED OR SETTLED VIOLATIONS AND STATUS

Page 5 of 9

ADDITIONAL COMMENTS

	R VIOLATIONS OF OTHER RELIABILITY STANDARD(S) OR IREMENTS THEREUNDER NO
	LIST ANY PRIOR CONFIRMED OR SETTLED VIOLATIONS AND STATUS
	ADDITIONAL COMMENTS
ENTITY (IF 7	REE AND QUALITY OF COOPERATION BY THE REGISTERED THE RESPONSE TO FULL COOPERATION IS "NO," THE ED NOP FORM MAY NOT BE USED.)
	FULL COOPERATION YES NO IF NO, EXPLAIN
` /	SENCE AND QUALITY OF THE REGISTERED ENTITY'S CE PROGRAM
	IS THERE A DOCUMENTED COMPLIANCE PROGRAM YES NO EXPLAIN
	NAES's internal compliance program (ICP) is reviewed and approved semi-annually to ensure that the compliance program remains current with Standards development, and that the effectiveness of the program is optimized. The review includes the identification of any revisions to all applicable Reliability Standards, and the identification and implementation of program changes that may be deemed necessary to enhance the overall effectiveness of the program. In addition, internal compliance reviews are performed at all sites annually to verify compliance with all of the applicable NERC and Regional Reliability Standards.
	DOES SENIOR MANAGEMENT TAKE ACTIONS THAT SUPPORT THE COMPLIANCE PROGRAM, SUCH AS TRAINING, COMPLIANCE AS A FACTOR IN EMPLOYEE EVALUATIONS, OR OTHERWISE YES NO

EXPLAIN

NAES does not have direct access to Tenaska's board of directors in the corporate context. Rather, LGF and NAES share best practices in compliance concerning the Lincoln Generating Facility, as both are responsible for separate compliance functions at the Facility. NAES has a NERC Reliability Compliance Policy that is supported by its management and used by its employees to ensure and verify compliance with Reliability Standards. NAES also performs annual independent assessments of its compliance program.

EXPLAIN SENIOR MANAGEMENT'S ROLE AND INVOLVEMENT WITH RESPECT TO THE REGISTERED ENTITY'S COMPLIANCE PROGRAM

(5) ANY ATTEMPT BY THE REGISTERED ENTITY TO CONCEAL THE VIOLATION(S) OR INFORMATION NEEDED TO REVIEW, EVALUATE OR INVESTIGATE THE VIOLATION. YES NO IF YES, EXPLAIN
(6) ANY EVIDENCE THE VIOLATION(S) WERE INTENTIONAL (IF THE RESPONSE IS "YES," THE ABBREVIATED NOP FORM MAY NOT BE USED.) YES □ NO □ IF YES, EXPLAIN
(7) ANY OTHER MITIGATING FACTORS FOR CONSIDERATION YES □ NO □ IF YES, EXPLAIN
(8) ANY OTHER AGGRAVATING FACTORS FOR CONSIDERATION (IF THE RESPONSE IS "YES," THE ABBREVIATED NOP FORM MAY NOT BE USED.) YES NO IF YES, EXPLAIN

(9) ANY OTHER EXTENUATING CIRCUMSTANCES

YES	\boxtimes	NO	
IF YE	S, EXI	PLAIN	

NAES stated in its Self-Report that on the GE HMI voltage control screen, there are only 3 modes of control: "OFF," "PF," or "VAR." During commissioning in May 2000, the technicians were trained by GE to operate in "VAR" mode. NAES understood this to mean that the units were operating in automatic voltage control when in "VAR" mode. As a follow up to these concerns, NAES checked with other entities with the same GE control systems and found that they had experienced this same confusion. It checked with GE and learned that in order to have the voltage regulator operate in automatic voltage control the Generator mode had to be in the "OFF" position. NAES then began operating in automatic voltage control and proceeded to remove the word "OFF" from the HMI control panel and replaced it with "Voltage Control" to avoid confusion. The Facility has eight generators available for operation, all of which have identical GE HMI control interface computer screens and therefore each one was operated in the PF control mode instead of the "OFF" control mode without notifying the Transmission Operator.

(10) ADDITIONAL SUPPORT FOR PROPOSED PENALTY OR SANCTION

Although NAES's non-compliance extended to all of the eight generators, the generators were all functioning as peaking units, with total capacity of approximately 650 MW. NAES indicated that the Facility has averaged sixty-six service hours per unit since June 2007. The Facility has only been dispatched fourteen times since June 18, 2007 and although each dispatch ranges between two and eight hours, the average dispatch lasts about five and a half hours. The last dispatch was on July 30, 2008. NAES performed a review of the 345 kV voltage for these dispatch periods, and did not identify any periods of instability. NAES was within its voltage schedule and there were no unexpected unit trips during the enforceable period when the units were operating in PF mode.

EXHIBITS (SEE ATTACHMENTS TO THE NOTICE OF PENALTY):

SOURCE DOCUMENT

NAES' Self-Report dated March 10, 2009

MITIGATION PLAN

NAES' Mitigation Plan for VAR-002-1 R1 submitted March 10, 2009

CERTIFICATION BY REGISTERED ENTITY

NAES' Certification of Completion of the Mitigation Plan for VAR-002-1 R1 dated November 17, 2009

OTHER RELEVANT INFORMATION:

NOTICE OF ALLEGED VIOLATION AND PROPOSED PENALTY OR SANCTION ISSUED DATE: OR N/A
SETTLEMENT DISCUSSIONS COMMENCED DATE: 11/6/2009 OR N/A
NOTICE OF CONFIRMED VIOLATION ISSUED DATE: OR N/A
SUPPLEMENTAL RECORD INFORMATION DATE(S) 2/1/2010 OR N/A
REGISTERED ENTITY RESPONSE CONTESTED FINDINGS PENALTY BOTH NO CONTEST
HEARING REQUESTED YES NO DATE
OUTCOME APPEAL REQUESTED



Attachment d

Notice of Filing

UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION

NAES Corporation - Lincoln Generating Facility

Docket No. NP10- -000

NOTICE OF FILING July 6, 2010

Take notice that on July 6, 2010, the North American Electric Reliability Corporation (NERC) filed a Notice of Penalty regarding NAES Corporation - Lincoln Generating Facility in the Reliability *First* Corporation region.

Any person desiring to intervene or to protest this filing must file in accordance with Rules 211 and 214 of the Commission's Rules of Practice and Procedure (18 CFR 385.211, 385.214). Protests will be considered by the Commission in determining the appropriate action to be taken, but will not serve to make protestants parties to the proceeding. Any person wishing to become a party must file a notice of intervention or motion to intervene, as appropriate. Such notices, motions, or protests must be filed on or before the comment date. On or before the comment date, it is not necessary to serve motions to intervene or protests on persons other than the Applicant.

The Commission encourages electronic submission of protests and interventions in lieu of paper using the "eFiling" link at http://www.ferc.gov. Persons unable to file electronically should submit an original and 14 copies of the protest or intervention to the Federal Energy Regulatory Commission, 888 First Street, N.E., Washington, D.C. 20426.

This filing is accessible on-line at http://www.ferc.gov, using the "eLibrary" link and is available for review in the Commission's Public Reference Room in Washington, D.C. There is an "eSubscription" link on the web site that enables subscribers to receive email notification when a document is added to a subscribed docket(s). For assistance with any FERC Online service, please email FERCOnlineSupport@ferc.gov, or call (866) 208-3676 (toll free). For TTY, call (202) 502-8659.

Comment Date: [BLANK]

Kimberly D. Bose, Secretary