



Date: 9/28/2021

To: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555
Fax Number (301) 816-5151

10CFR Part 21 Initial Notification: P21-09282021-IN, Rev. 0

Subject: Notification of a Deviation with Inverter Assembly (Model NLI-072034-CSI-K-5-A)

Pursuant to §10CFR 21.21 (d)(3)(i), Paragon Energy Solutions is providing written initial notification of the identification of a deviation.

Pursuant to §10CFR 21.21 (b), on the basis of our evaluation dated 9/3/2021, it was determined that Paragon did not have sufficient information to determine if the subject condition would, or has, created a Substantial Safety Hazard or would have created a Technical Specification Safety Limit violation as it relates to the subject plant applications.

Exelon - Limerick and Peach Bottom were notified on 9/3/2021.

Duke - Brunswick was notified on 9/7/2021.

On 9/28/2021, Exelon Peach Bottom provided information indicating the failure of the unit in service could cause a substantial safety hazard in their application.

The following information is required per §10CFR 21.21 (d) (4).

(i) Name and address of the individual or individuals informing the Commission.

Tracy Bolt, Chief Nuclear Officer
Paragon Energy Solutions, LLC
7410 Pebble Drive
Ft. Worth, TX 76118

(ii) Identification of the facility, activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.

Inverter Assembly 1000VA
NLI P/N: NLI-072034-CSI-K-5-A

(iii) Identification of the firm constructing or supplying the basic component which fails to comply or contains a defect.

Components were originally supplied by
Nuclear Logistics, LLC
7410 Pebble Drive, Fort Worth Texas 76118

(iv) Nature of defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

The deviation relates to failure of the installed Absopulse 1000VA inverter (Model CSI-K-B-Q9573-1). The extent of condition is currently limited to Absopulse inverters manufactured or repaired in 2015 and later. The root cause of the failure is currently under investigation. The failed component is the DC-DC converter output rectifiers.

(v) The date on which the information of such defect or failure to comply was obtained.

On 9/28/2021, Exelon Peach Bottom provided information indicating that the failure of the unit in service could cause a substantial safety hazard in their application.

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for being supplied for, or may be supplied for, manufactured or being manufactured for one or more facilities or activities subject to the regulations in this part.

Plant	Purchase Order	NLI Project Number	Qty
Peach Bottom	90 065497	351021814	4
Limerick	00606902	351026560	2
Limerick	00663381	351027091	2
Limerick	00704133	351029204	2
Brunswick	03050825	351026846	6
Brunswick	03052088	351026941	1

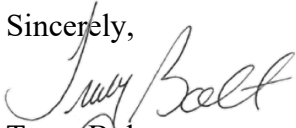
(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Determining the root cause of the failure is in process.

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

This notification serves to inform purchasers and/or affected licensees of this determination, so they may evaluate the identified condition, pursuant to §10CFR 21.21(a). Paragon recommends the identified plants evaluate their specific application and determine whether the condition described in this notice affects their design basis. If the licensee determines that it does, please contact Paragon to determine appropriate corrective action.

Sincerely,



Tracy Bolt
Chief Nuclear Officer
Paragon Energy Solutions
817-284-0077
tbolt@paragones.com

cc: Douglas VanTassell - CEO
Chris Harrington – COO