

**Case ID - Case Name:** 15-1716-EL-BGN - South Field Natural Gas Generation Project  
**Company Name:** Advanced Power Services (NA), Inc.  
**Amendment(s):** 19-0638-EL-BGA  
**Related Case(s):** 15-1717-EL-BTX,16-1166-GA-BLN,19-1778-GA-BNR  
**Case Status:** Facility Online  
**Certificate Approved Date:** September 22, 2016  
**Facility Online Date:** October 1, 2021  
**Case Type:** Natural Gas, CCGT Generation  
**Capacity, Acreage:** 1105.0 MW, 20 acres  
**County(s):** Columbiana  
**Township(s):** Yellow Creek  
**Report Number:** CI23-15-1716-001

#### **Background**

South Field Energy, LLC (SFE LLC) was granted a certificate of environmental compatibility and public need to construct the South Field Energy Facility (SFE facility) by the Ohio Power Siting Board (OPSB) on September 22, 2016. The facility is a dual fuel (natural gas and ultra-low sulfur distillate) fired, combined-cycle gas turbine power plant in Yellow Creek Township, Columbiana County, Ohio. The project has a capacity of 1,105 MW. Construction on the project began on August 27, 2019. The facility came online on October 1, 2021.

#### **Summary**

On February 20, 2022, the OPSB Staff (Staff) received a public comment from Mark and Karen Cline. The Clines commented that the noise from the SFE facility was excessively loud at their nearby residence. The SFE facility committed to an operational noise limit of 45 dBA at non-participating residences. SFE LLC contracted with a third-party noise consultant to take measurement near the Cline's residence and several other locations. The initial noise measurements taken by the consultant showed the SFE facility was close to but not over the permissible noise limit. The Clines continued to comment negatively about the noise from the SFE facility. Although the SFE facility was operating within the limit, SFE LLC installed noise mitigation shielding at the SFE facility. The noise consultant took measurements after the noise mitigation shielding was installed. The post mitigation measurements showed a 6 dBA decrease near the Cline's residence. Staff also took measurements pre and post mitigation and observed a similar decrease in operational noise level.

#### **Findings and Recommendations**

Based on the measurements taken by the third-party noise consultant and verified by Staff, the facility was found to be in compliance with the operational noise limit. Although within the limit, SFE LLC installed additional mitigation measures to further reduce the noise impact. Staff recommends SFE LLC continue documenting, resolving, and communicating on complaints in the same manner it has done to this current time.

#### **Mark Belamy**

Public Utilities Commission of Ohio  
Power Siting Department  
Utility Specialist

#### **Attachment(s)**

**CC:** Michael J. Settineri counsel for South Field Energy LLC  
John Jones, Robert Eubanks, Ohio Attorney's General's Office

Power Siting Department  
Compliance Section

15-1716-EL-BGN  
Advanced Power Services (NA), Inc.

Compliance Inquiry Report  
February 2, 2023

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**Case No(s). 15-1716-EL-BGN**

Summary: Report Compliance Inquiry electronically filed by Mark C Bellamy on  
behalf of OPSB Staff